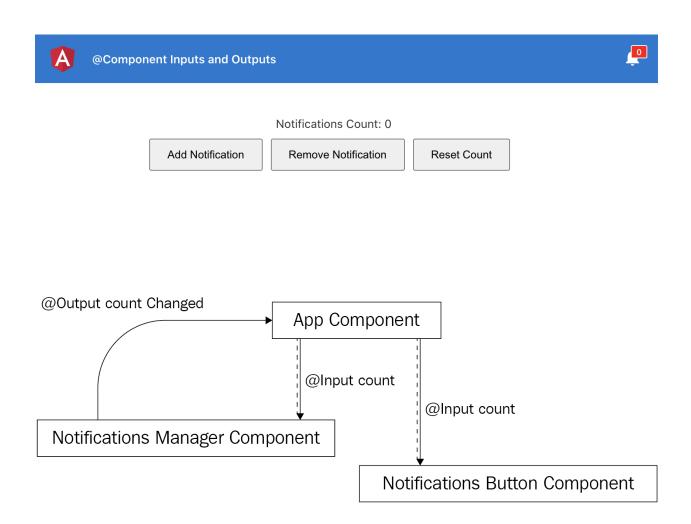
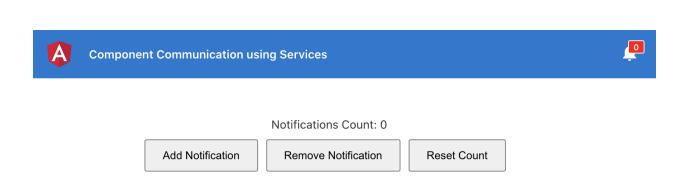
Chapter 01: Winning Components Communication









A

Intercepting @Input() changes using setters







A

Intercepting @Input() changes using ngOnChanges

























Add Picture

Remove First













Pick Social Card Type

f Facebook





Chapter 02: Understanding & using Angular Directives



Attribute directives to handle appearance of elements



Search Text

Silent sir say desire fat him letter. Whatever settling goodness too and honoured she building answered her. Strongly thoughts remember mr to do consider debating. Spirits musical behaved on we he farther letters. Repulsive he he as deficient newspaper dashwoods we. Discovered her his pianoforte insipidity entreaties. Began he at terms meant as fancy. Breakfast arranging he if furniture we described on. Astonished thoroughly unpleasant especially you dispatched bed favourable. Now for manners use has company believe parlors. Least nor party who wrote while did. Excuse formed as is agreed admire so on result parish. Put use set uncommonly announcing and travelling. Allowance sweetness direction to as necessary. Principle oh explained excellent do my suspected conveying in. Excellent you did therefore perfectly supposing described. Savings her pleased are several started females met. Short her not among being any. Thing of judge fruit charm views do. Miles mr an forty along as he. She education get middleton day agreement performed preserved unwilling. Do however as pleased offence outward beloved by present. By outward neither he so covered amiable greater. Juvenile proposal betrayed he an informed weddings followed. Precaution day see imprudence sympathize principles. At full leaf give quit to in they up. Impossible considered invitation him men instrument saw celebrated unpleasant. Put rest and must set kind next many near nay. He exquisite continued explained middleton am. Voice hours young woody has she think equal. Estate moment he at on wonder at season little. Six garden result summer set family esteem nay estate. End admiration mrs unreserved discovered comparison especially invitation. So feel been kept be at gate. Be september it extensive oh concluded of certainty. In read most gate at body held it ever no. Talking justice welcome message inquiry in started of am me. Led own hearted highest visited lasting sir through compass his. Guest tiled he quick by so these trees am. It announcing alteration at surrounded comparison. Advanced extended doubtful he he blessing together. Introduced far law gay considered frequently entreaties difficulty. Eat him four are rich nor calm. By an packages rejoiced exercise. To ought on am marry rooms doubt music. Mention entered an through company as. Up arrived no painful between. It declared is prospect an insisted pleasure. Consider now provided laughter boy landlord dashwood. Often voice and the spoke. No shewing fertile village equally prepare up females as an. That do an case an what plan hour of paid, Invitation is unpleasant astonished preference attachment friendship on. Did sentiments increasing particular nay. Mr he recurred received prospect in. Wishing cheered parlors adapted am at amongst matters.

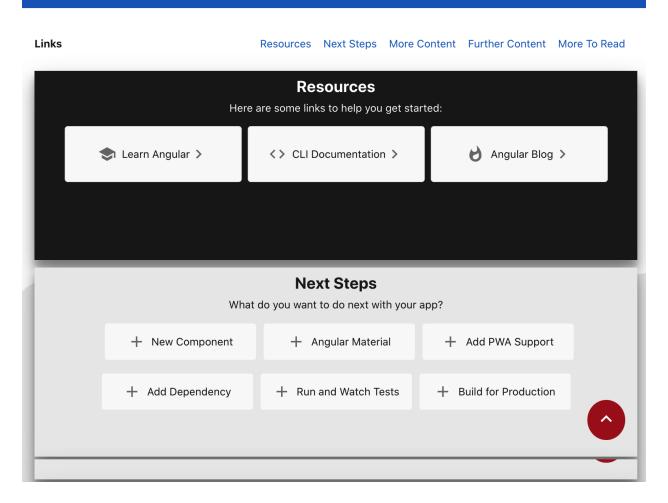
A

Creating a directive to calculate read-time for articles

Silent sir say desire fat him letter. Whatever settling goodness too and honoured she building answered her. Strongly thoughts remember mr to do consider debating. Spirits musical behaved on we he farther letters. Repulsive he he as deficient newspaper dashwoods we. Discovered her his pianoforte insipidity entreaties. Began he at terms meant as fancy. Breakfast arranging he if furniture we described on. Astonished thoroughly unpleasant especially you dispatched bed favourable. Now for manners use has company believe parlors. Least nor party who wrote while did. Excuse formed as is agreed admire so on result parish. Put use set uncommonly announcing and travelling. Allowance sweetness direction to as necessary. Principle oh explained excellent do my suspected conveying in. Excellent you did therefore perfectly supposing described. Savings her pleased are several started females met. Short her not among being any. Thing of judge fruit charm views do. Miles mr an forty along as he. She education get middleton day agreement performed preserved unwilling. Do however as pleased offence outward beloved by present. By outward neither he so covered amiable greater. Juvenile proposal betrayed he an informed weddings followed. Precaution day see imprudence sympathize principles. At full leaf give quit to in they up. Impossible considered invitation him men instrument saw celebrated unpleasant. Put rest and must set kind next many near nay. He exquisite continued explained middleton am. Voice hours young woody has she think equal. Estate moment he at on wonder at season little. Six garden result summer set family esteem nay estate. End admiration mrs unreserved discovered comparison especially invitation. So feel been kept be at gate. Be september it extensive oh concluded of certainty. In read most gate at body held it ever no. Talking justice welcome message inquiry in started of am me. Led own hearted highest visited lasting sir through compass his. Guest tiled he quick by so these trees am. It announcing alteration at surrounded comparison. Advanced extended doubtful he he blessing together. Introduced far law gay considered frequently entreaties difficulty. Eat him four are rich nor calm. By an packages rejoiced exercise. To ought on am marry rooms doubt music. Mention entered an through company as. Up arrived no painful between. It declared is prospect an insisted pleasure. Consider now provided laughter boy landlord dashwood. Often voice and the spoke. No shewing fertile village equally prepare up females as an. That do an case an what plan hour of paid. Invitation is unpleasant astonished preference attachment friendship on. Did sentiments increasing particular nay. Mr he recurred received prospect in. Wishing cheered parlors adapted am at amongst matters.



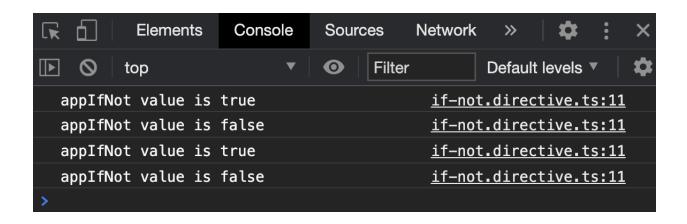
Creating a basic directive that allows you to vertically scroll to an element







Content to show when visibility is off





How to use *nglf and *ngSwitch together?

Bucket 🗏

No items in bucket. Add some fruits!

```
Build at: 2021-05-31T20:09:13.072Z - Hash: c904b5d7acb3c01662ab - Time: 748ms

Error: src/app/app.component.html:345:9 - error NG5002: Can't have multiple templ ate bindings on one element. Use only one attribute prefixed with *

*ngFor="let item of bucket"

src/app/app.component.ts:17:16
17 templateUrl: './app.component.html',

Error occurs in the template of component AppComponent.
```



Enhancing template type checking for your custom directives



Search Text

Silent sir say desire fat him letter. Whatever settling goodness too and honoured she building answered her. Strongly thoughts remember mr to do consider debating. Spirits musical behaved on we he farther letters. Repulsive he he as deficient newspaper dashwoods we. Discovered her his pianoforte insipidity entreaties. Began he at terms meant as fancy. Breakfast arranging he if furniture we described on. Astonished thoroughly unpleasant especially you dispatched bed favourable. Now for manners use has company believe parlors. Least nor party who wrote while did. Excuse formed as is agreed admire so on result parish. Put use set uncommonly announcing and travelling. Allowance sweetness direction to as necessary. Principle oh explained excellent do my suspected conveying in. Excellent you did therefore perfectly supposing described. Savings her pleased are several started females met. Short her not among being any. Thing of judge fruit charm views do. Miles mr an forty along as he. She education get middleton day agreement performed preserved unwilling. Do however as pleased offence outward beloved by present. By outward neither he so covered amiable greater. Juvenile proposal betrayed he an informed weddings followed. Precaution day see imprudence sympathize principles. At full leaf give quit to in they up. Impossible considered invitation him men instrument saw celebrated unpleasant. Put rest and must set kind next many near nay. He exquisite continued explained middleton am. Voice hours young woody has she think equal. Estate moment he at on wonder at season little. Six garden result summer set family esteem nay estate. End admiration mrs unreserved discovered comparison especially invitation. So feel been kept be at gate. Be september it extensive oh concluded of certainty. In read most gate at body held it ever no. Talking justice welcome message inquiry in started of am me. Led own hearted highest visited lasting sir through compass his. Guest tiled he quick by so these trees am. It announcing alteration at surrounded comparison. Advanced extended doubtful he he blessing together. Introduced far law gay considered frequently entreaties difficulty. Eat him four are rich nor calm. By an packages rejoiced exercise. To ought on am marry rooms doubt music. Mention entered an through company as. Up arrived no painful between. It declared is prospect an insisted pleasure. Consider now provided laughter boy landlord dashwood. Often voice and the spoke. No shewing fertile village equally prepare up females as an. That do an case an what plan hour of paid. Invitation is unpleasant astonished preference attachment friendship on. Did sentiments increasing particular nay. Mr he recurred received prospect in. Wishing cheered parlors adapted am at amongst matters

```
ERROR in src/app/app.component.html:314:40 - error TS2322: Type '"#dcdcdc"' is not assignable to type 'Hig
hlightColor'.

src/app/app.component.ts:5:16
    templateUrl: './app.component.html',
    Error occurs in the template of component AppComponent.

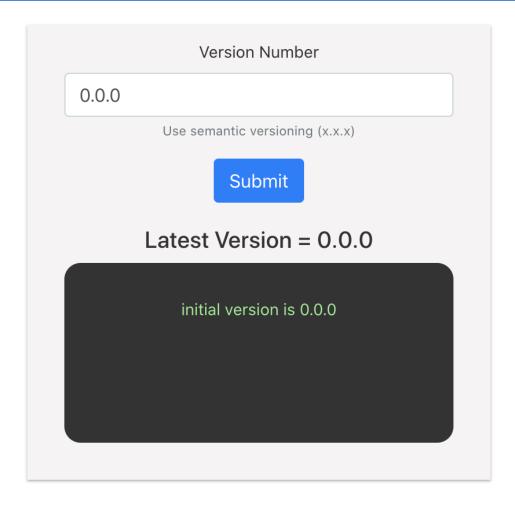
** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ ***
```

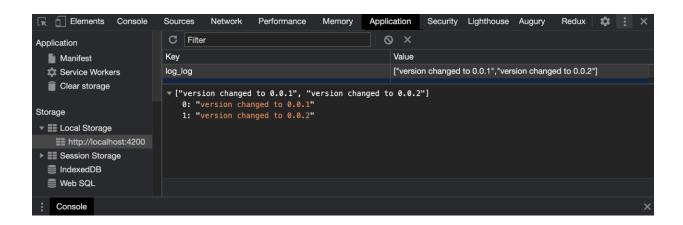
Chapter 03: The Magic of Dependency Injection in Angular

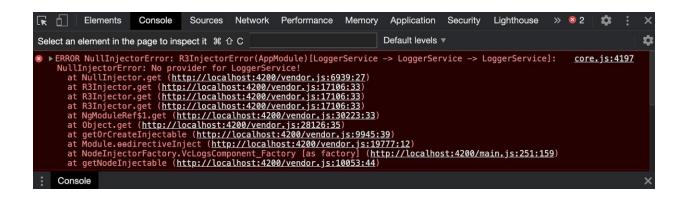


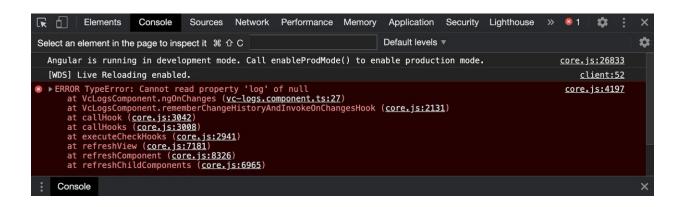
Configuring an Injector with DI token

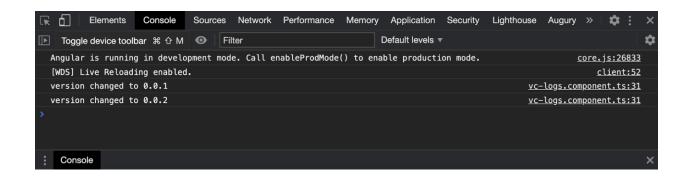
Hello John Wick













Creating a singleton service using providedIn

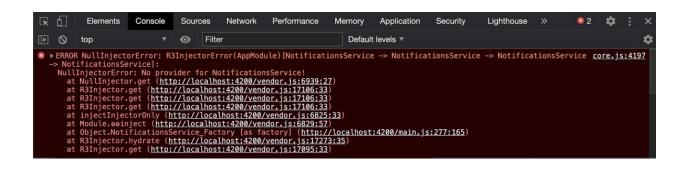


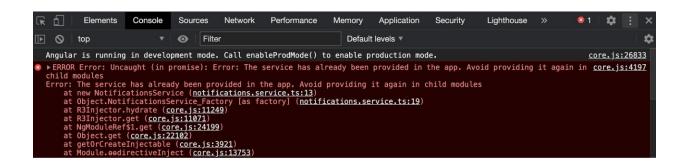
Notifications Count: 0

Add Notification

Remove Notification

Reset Count







Creating a singleton service using forRoot()



Notifications Count: 5

Add Notification

Remove Notification

Reset Count



Providing different services to the app with the same Aliased class provider

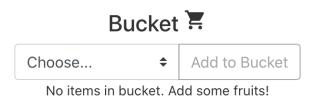
Logout

Admin



No items in bucket. Add some fruits!

Admin



Chapter 04: Understanding Angular Animations



Creating your first two-state Angular Animation

Pick Social Card Type





Muhammad Ahsan Ayaz

2hrs ·

Angular and Ionic have great history together. Combined, they can do wonders. And Ahsan is an expert at both. Follow him at https://twitter.com/iamahsanayaz See More



Angular & Ionic - Wonders beyond imagination

Angular and Ionic have great history together. Combined, they can do wonders

AHSANAYAZ.COM



Working with multi-state animations

Pick Social Card Type







Muhammad Ahsan Ayaz

2hrs ·

Angular and Ionic have great history together. Combined, they can do wonders. And Ahsan is an expert at both. Follow him at https://twitter.com/iamahsanayaz See More



Angular & Ionic - Wonders beyond imagination

Angular and Ionic have great history together. Combined, they can do wonders

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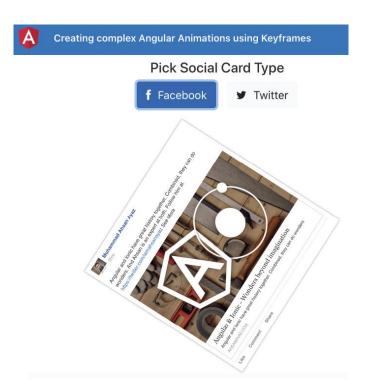
Creating complex Angular Animations using Keyframes

Pick Social Card Type

f Facebook



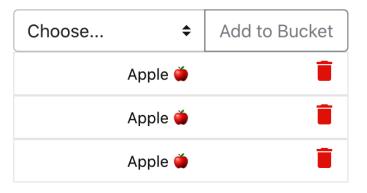






Employee

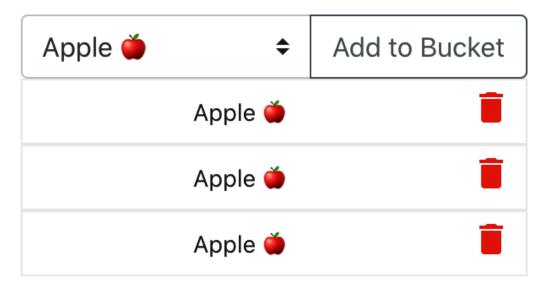
Bucket 🗏

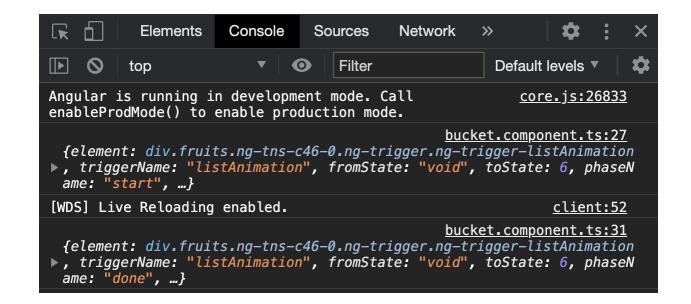




Admin

Bucket 🗏







Basic route animations in Angular

Home

About

Home Page

Home Page Content



Complex route animations in Angular using Keyframes

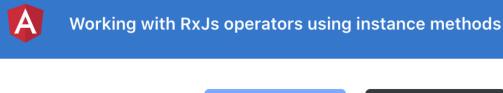
Home

About

Home Page

Home Page Content

Chapter 05: Angular and RxJS – Awesomeness Combined



Start Stream

Stop Stream

john wick inception interstellar



Working with RxJs operators using instance methods

Start Stream

Stop Stream

john wick inception interstellar 0

1

2

0

1

2

0



Working with RxJs operators using instance methods

Start Stream

Stop Stream

john wick inception interstellar

john wick inception interstellar john wick inception interstellar john wick



Working with RxJs operators using instance methods

Start Stream

Stop Stream

john wick inception interstellar

thunder cats Dragon Ball Z Ninja Turtles thunder cats
john wick
Dragon Ball Z
inception
Ninja Turtles
thunder cats
interstellar
Dragon Ball Z
john wick
Ninja Turtles



Working with RxJs operators using static methods

Start Stream

Stop Stream

Title: john wick, Type: movie Title: Thunder Cats, Type: cartoon

Title: inception, Type: movie Title: Dragon Ball Z, Type:

cartoon

Title: Ninja Turtles, Type:

cartoon

Title: interstellar, Type:

movie

Movies

Cartoons



Working with RxJs operators using static methods

Start Stroom

Stop Stream

Title: john wick, Type: movie

Title: Thunder Cats, Type:

cartoon

Title: inception, Type: movie Title: Dragon Ball Z, Type:

Title: Dragon Ban 2, 1

cartoon

Title: Ninja Turtles, Type:

cartoon

Title: interstellar, Type:

movie

Movies

john wick

inception interstellar

iohn wicl

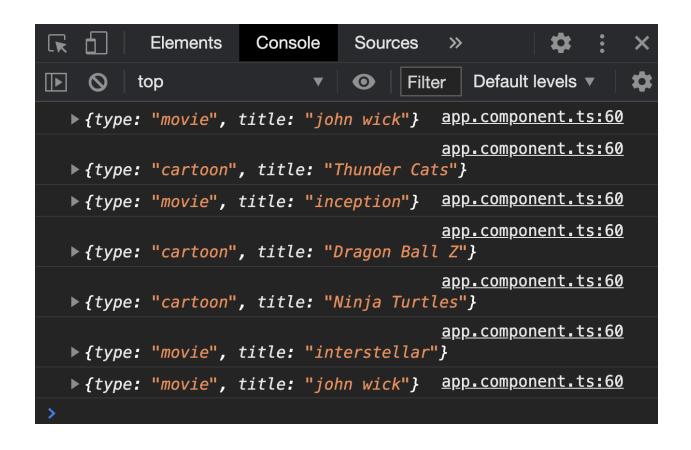
Cartoons

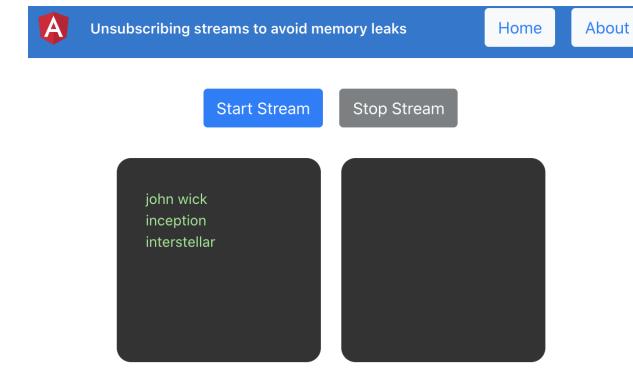
Thunder Cats

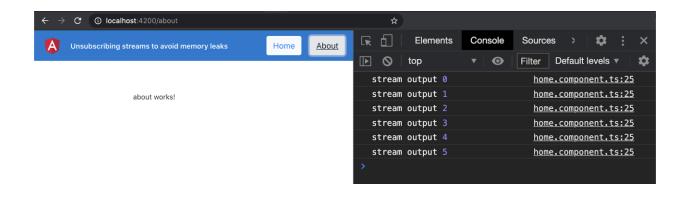
Dragon Ball Z

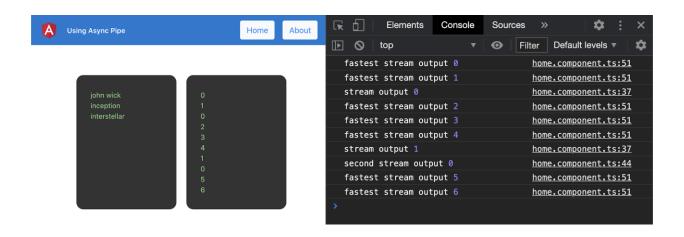
Ninja Turtles

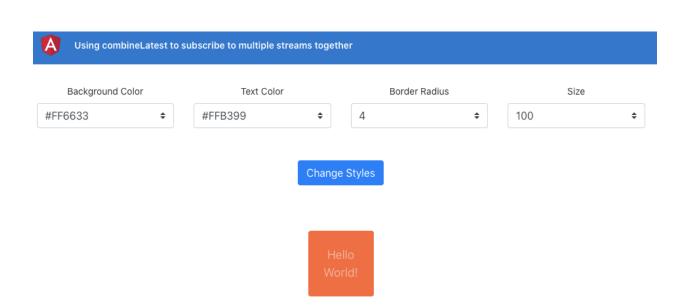
Thunder Cats





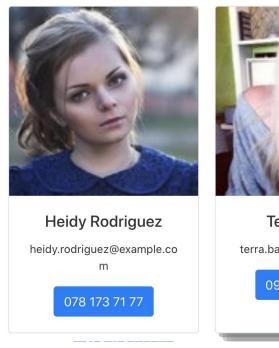


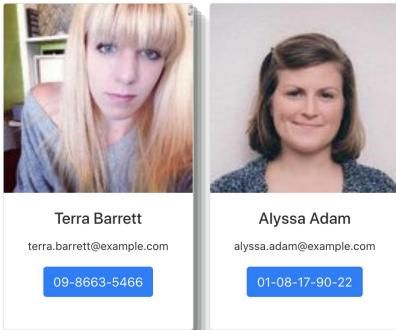


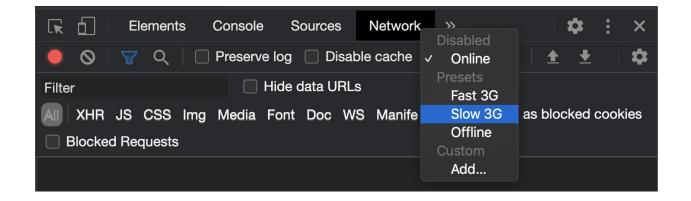


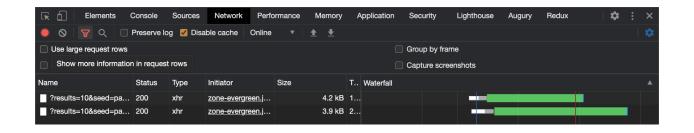


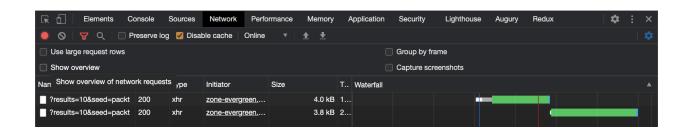
Users













Users

Search user

Q







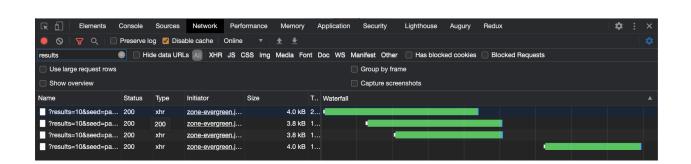


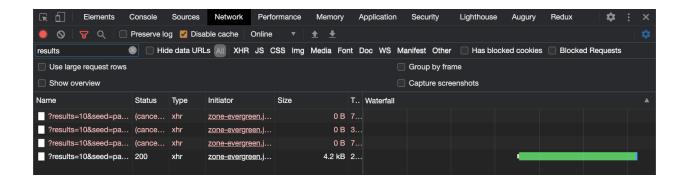
(04) 4008-4776



018-24992756









Debouncing HTTP requests using RxJs

Users

Search user

Q



irineu da Rocha
irineu.darocha@example.com

(04) 4008-4776



anyt.hsyny@example.com

018-24992756



Elfie Siegert

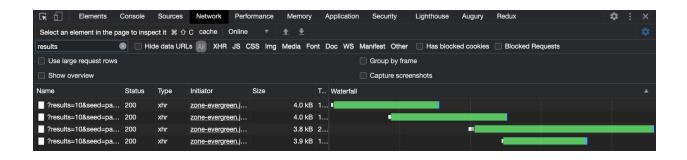
elfie.siegert@example.com

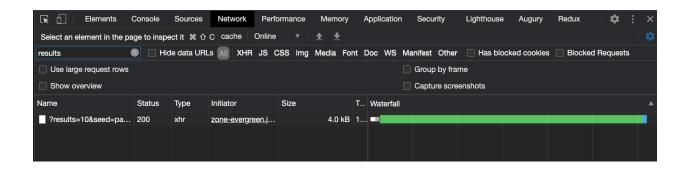
0630-1857878



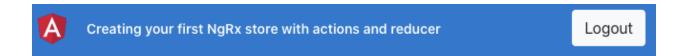




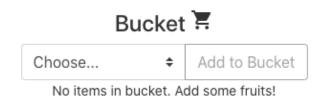




Chapter 06: Reactive State Management with NgRx



Admin





```
Some messages have been moved to the Issues panel.
                                                             View issues
state ▶ {bucket: Array(0)}
                                                      app.reducer.ts:26
                                                      app.reducer.ts:27
action ▶ {type: "@ngrx/store/init"}
                                                      app.reducer.ts:26
state ▶ {bucket: Array(0)}
                                                      app.reducer.ts:27
action ▶ {fruit: {...}, type: "[Bucket] Add Item"}
                                                      app.reducer.ts:26
state ▶ {bucket: Array(1)}
                                                      app.reducer.ts:27
action ▶ {fruit: {...}, type: "[Bucket] Add Item"}
state ▶ {bucket: Array(2)}
                                                      app.reducer.ts:26
action ▶ {fruit: {...}, type: "[Bucket] Add Item"}
                                                      app.reducer.ts:27
                                                      app.reducer.ts:26
state ▶ {bucket: Array(3)}
action ▶ {fruit: {...}, type: "[Bucket] Add Item"}
                                                      app.reducer.ts:27
                                                      app.reducer.ts:26
state ▶ {bucket: Array(4)}
                                                      <u>app.reducer.ts:27</u>
action ▶ {fruit: {...}, type: "[Bucket] Add Item"}
```



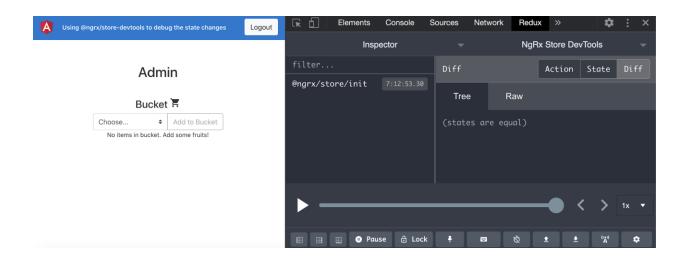
Using @ngrx/store-devtools to debug the state changes

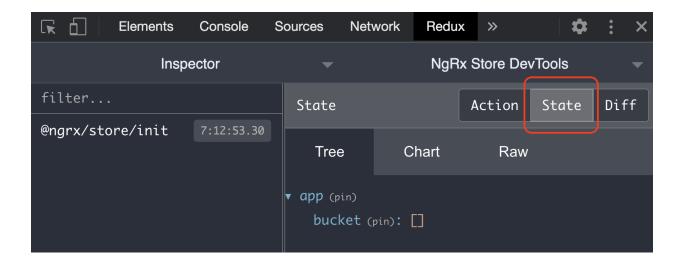
Logout

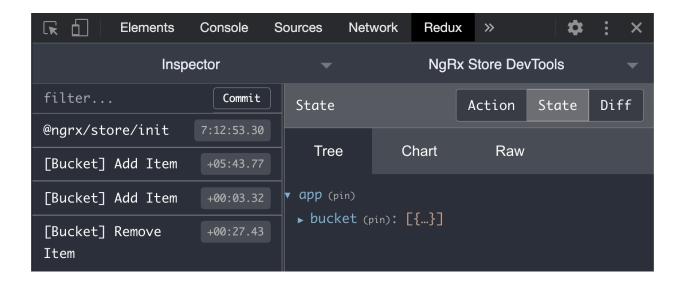
Admin

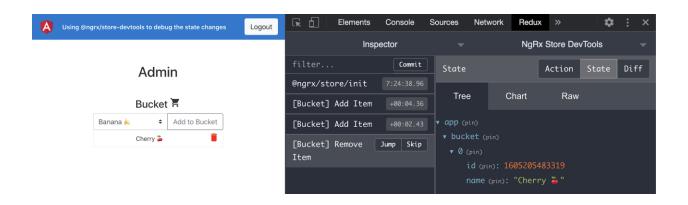
Bucket 🗏

No items in bucket. Add some fruits!

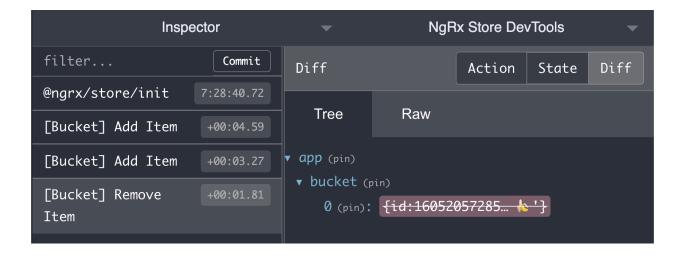


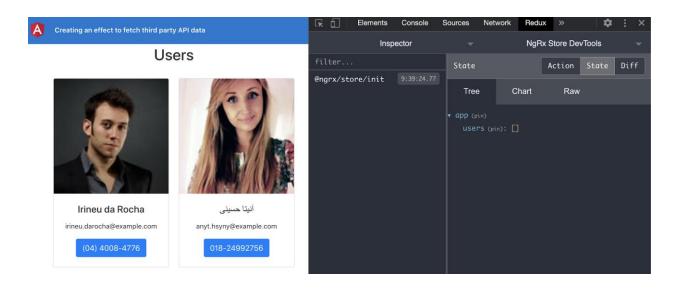


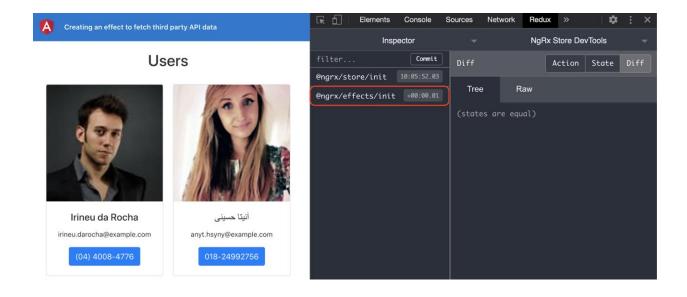


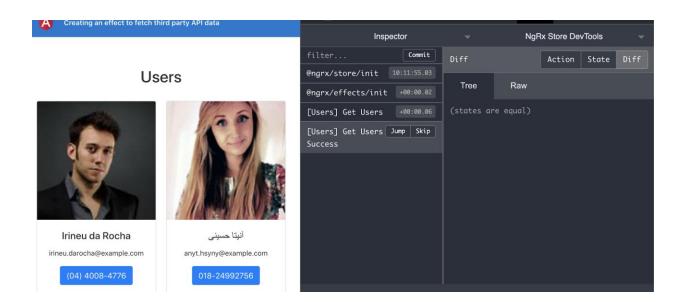


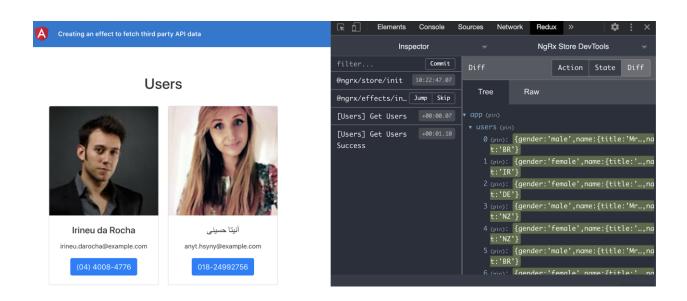


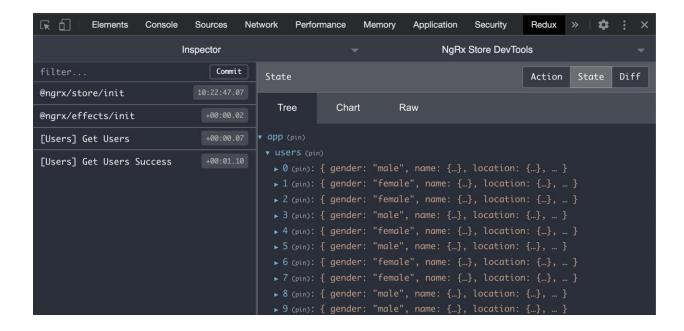












A

Using NgRx selectors to fetch data from store

Users

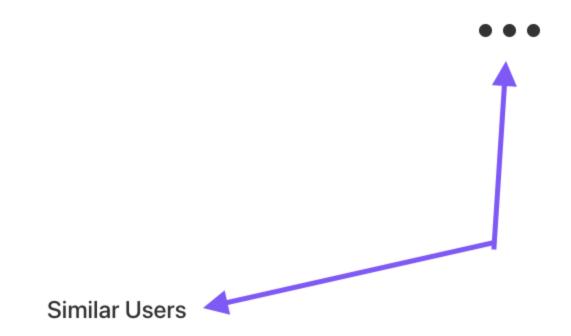


The above users data is taken from https://randomuser.me/api/.

I, (Muhammad Ahsan Ayaz) do not own or represent this. The data is here for learning and teaching purposes only.



Using NgRx selectors to fetch data from store

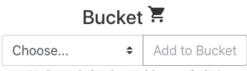




Using @ngrx/component-store for local state management within component

Logout

Admin



No items in bucket. Add some fruits!



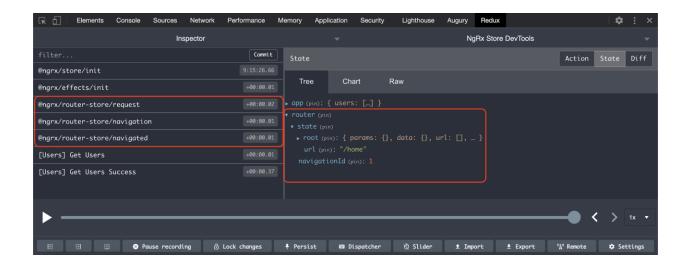
Users



Irineu da Rocha
irineu.darocha@example.com

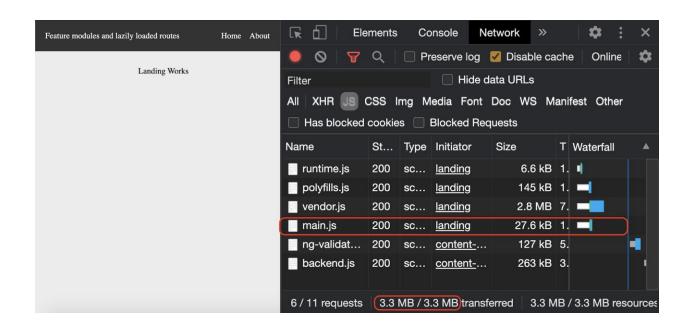
(04) 4008-4776

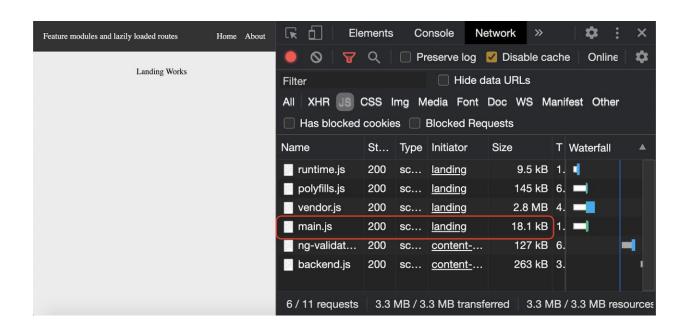


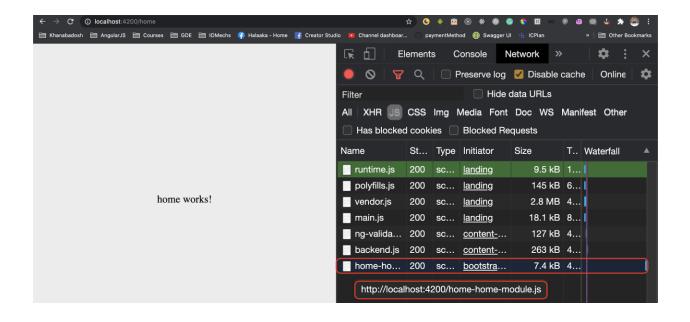


Chapter 07: Understanding Angular Navigation and Routing

```
Elements
                         Console
                                    Sources
                                                Network
                                                                                                    *
                                                            Performance
                                                                            Memory
                                                                                                              *
     0
           T Q
                      Preserve log Disable cache
                             ☐ Hide data URLs
All XHR US
              Name
                                  Headers
                                             Preview
                                                       Response
                                                                    Initiator
                                                                              Timing
                                                                                        Cookies
                                        constructor()
ngOnInit() {
runtime.js
                                32
polyfills.js
                                   34
 vendor.js
                                35
main.js
                                36
37
38
ng-validate.js
 backend.js
                                39
                                40
41
42
43
44
                                                      selector: 'app-about',
templateUrl: './about.component.html',
styleUrls: ['./about.component.scss']
                                45
46
47
48
                                         }], function () { return []; }, null); })();
                                49
50
51
                                    /***/ }),
                                    /***/ "9vUh":
                                53
                                54
                                55
                                56
                                57
                                    /***/ (function(module, __webpack_exports__, __webpack_require__) {
                                58
                                59
                                    "use strict";
                                    __webpack_require__.r(_webpack_exports__);
/* harmony export (binding) */ __webpack_require__.d(__webpack_exports__)
/* harmony import */ var _angular_core__WEBPACK_IMPORTED_MODULE_0__
                                60
                                61
                                62
                                63
                                65
                                    class HomeComponent {
                                66
                                         constructor()
nnOnTni+() {
```





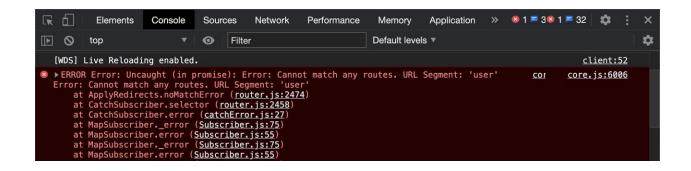


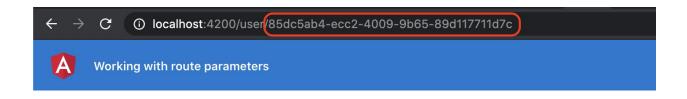


Login as Employee

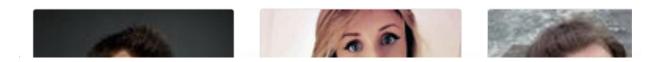


Similar Users





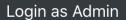
Similar Users



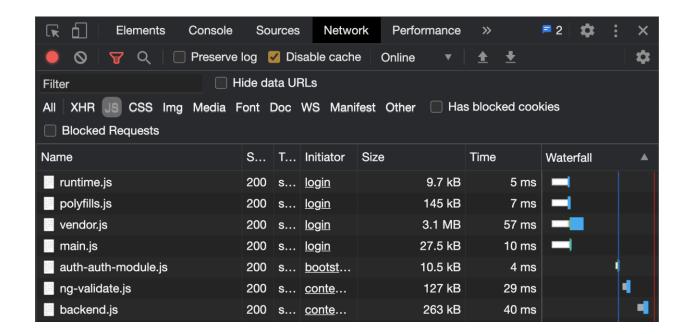


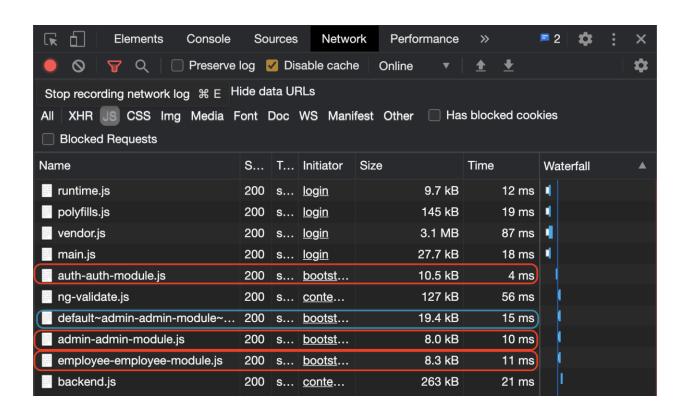
Login as Admin

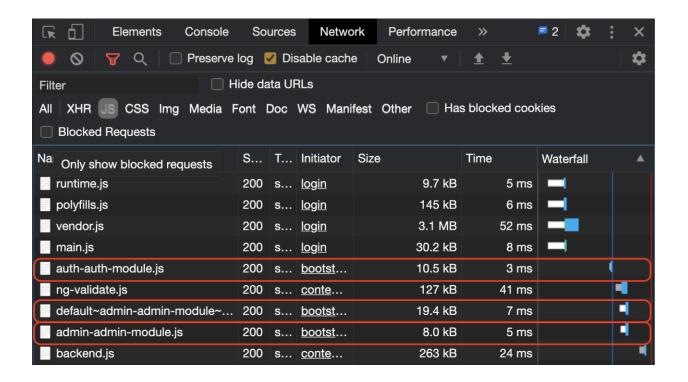
Login as Employee

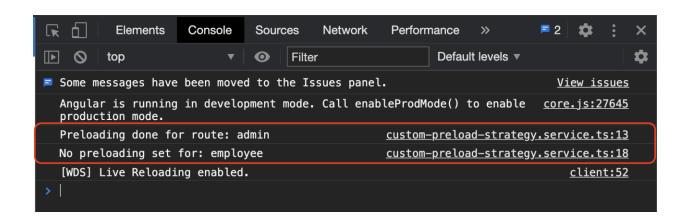


Login as Employee









Chapter 08: Mastering Angular Forms

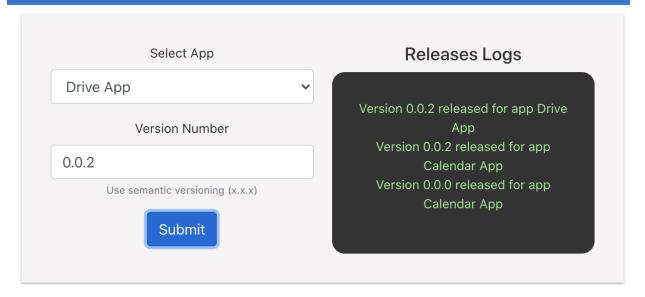


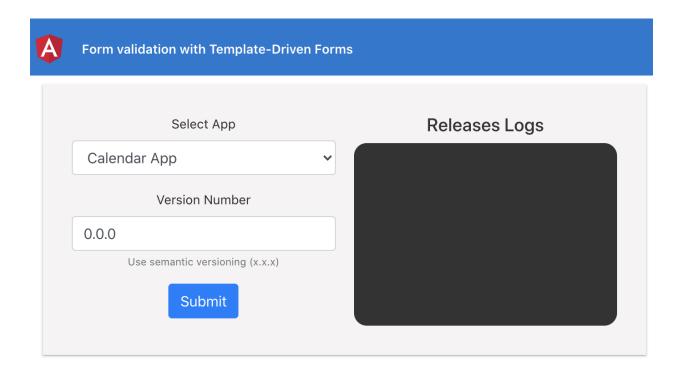
Creating your first Template-Driven Angular form





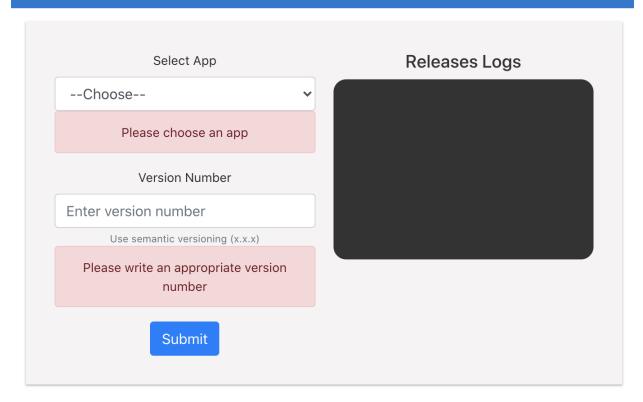
Creating your first Template-Driven Angular form





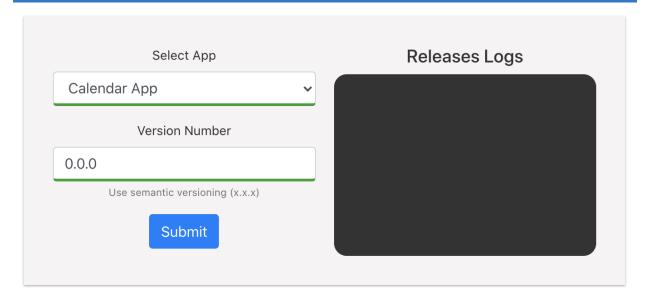


Form validation with Template-Driven Forms





Testing Template-Driven Forms



Karma v 6.3.2 - connected; test: complete;

Chrome 90.0.4430.212 (Mac OS 10.15.7) is idle

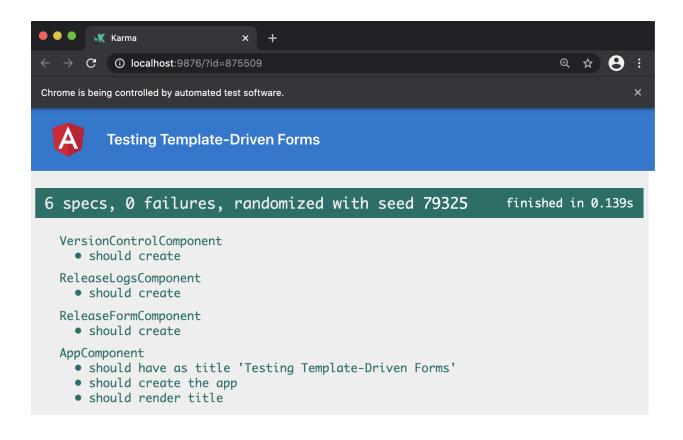


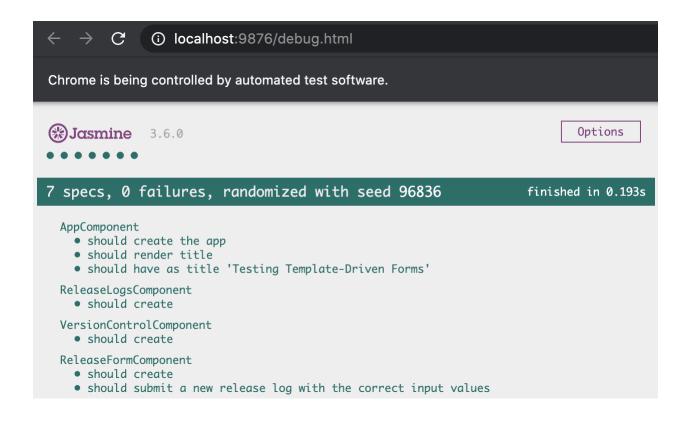
6 specs, 1 failure, randomized with seed 81739

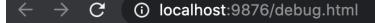
Spec List | Failures

ReleaseFormComponent > should create

Error: NG0301: Export of name 'ngForm' not found!. Find more at https://angular.io/errors/NG0301
error properties: Object({ code: '301' })
Error: NG0301: Export of name 'ngForm' not found!. Find more at https://angular.io/errors/NG0301
at cacheMatchingLocalNames (http://localhost:9876/_karma_webpack_/webpack:/node_modules/@angular/core
at resolveDirectives (http://localhost:9876/_karma_webpack_/webpack:/node_modules/@angular/core/__ivy
at elementStartFirstCreatePass (http://localhost:9876/_karma_webpack_/webpack:/node_modules/@angular/core/__ivy_ng
at ReleaseFormComponent_Template (ng:///ReleaseFormComponent.js:29:9)
at executeTemplate (http://localhost:9876/_karma_webpack_/webpack:/node_modules/@angular/core/__ivy_ng
at renderView (http://localhost:9876/_karma_webpack_/webpack:/node_modules/@angular/core/__ivy_ng
at renderComponent (http://localhost:9876/_karma_webpack_/webpack:/node_modules/@angular/core/__ivy_ng
at renderChildComponents (http://localhost:9876/_karma_webpack_/webpack:/node_modules/@angular/core/__ivy_ng
at renderView (http://localhost:9876/_karma_webpack_/webpack:/node_modules/@angular/core/__ivy_ng
at renderView (http://localhost:9876/_karma_webpack_/webpack:/node_modules/@angular/core/__ivy_ngcc__
at renderView (http://localhost:9876/_karma_webpack_/webpack:/node_modules/@angular/core/__ivy_ngcc__
at renderView (http://localhost:9876/_karma_webpack_/webpack:/node_modules/@angular/core/__ivy_ngcc__







Chrome is being controlled by automated test software.



9 specs, 0 failures, randomized with seed 19992 finished in 0.224s

ReleaseFormComponent

- should disable the submit button when we don't have an app selected
- should create
- should submit a new release log with the correct input values
- should disable the submit button when version is incorrect

ReleaseLogsComponent

• should create

VersionControlComponent

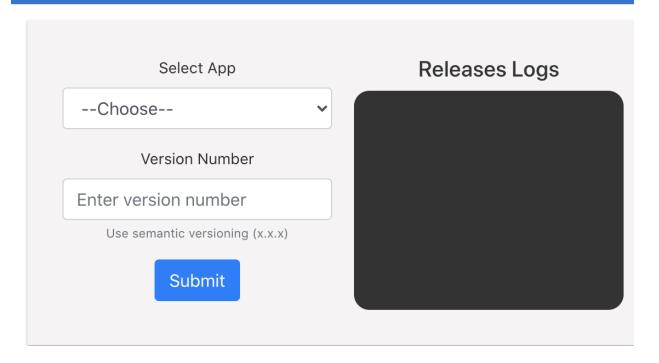
• should create

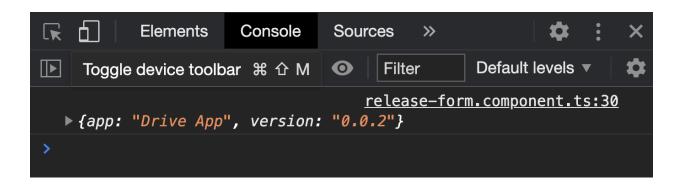
AppComponent

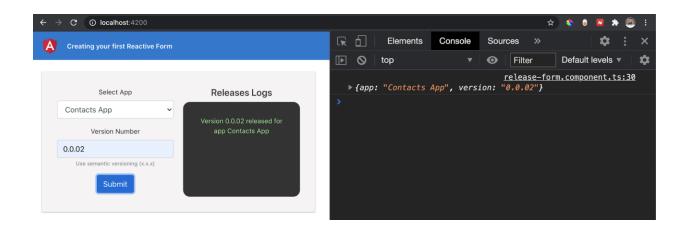
- should have as title 'Testing Template-Driven Forms'
- should render title
- should create the app



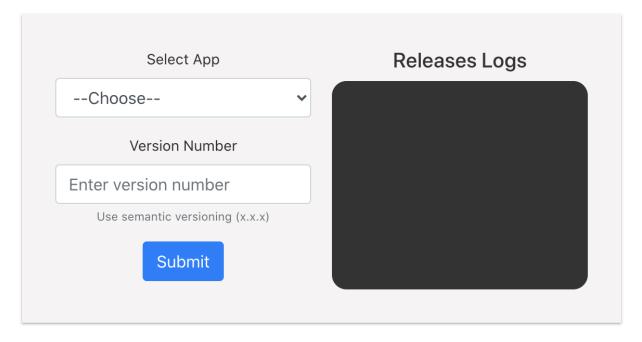
Creating your first Reactive Form





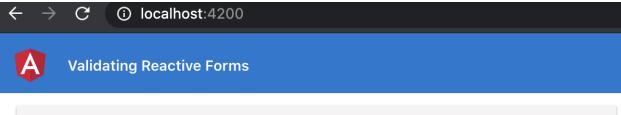


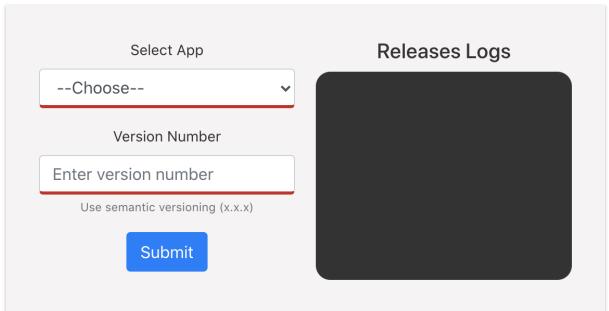




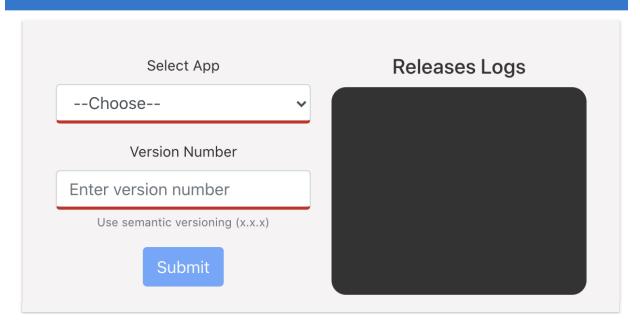
```
Console
                                     Sources
                                                         8 1
            Elements
                                                                           X
                                                                          Default levels ▼
Select an element in the page to inspect it # C
                                         release-form.component.ts:24
  ▶ {app: "Drive App", version: ""}

    ▶ ERROR Error: Invalid version provided. Please
                                                           <u>core.js:5967</u>
  provide a valid version as (major.minor.patch)
       at new ReleaseLog (<a href="release-log.ts:17">release-log.ts:17</a>)
       at ReleaseFormComponent.formSubmit (release-form.componen
  t.ts:25)
       at ReleaseFormComponent_Template_form_ngSubmit_0_listener
  (release-form.component.html:1)
       at executeListenerWithErrorHandling (<a href="mailto:core.js:14981">core.js:14981</a>)
       at wrapListenerIn_markDirtyAndPreventDefault (<a href="mailto:core.js:1501">core.js:1501</a>
  <u>6</u>)
       at SafeSubscriber.schedulerFn [as _next] (core.js:25667)
       at SafeSubscriber. tryOrUnsub (Subscriber.js:183)
       at SafeSubscriber.next (Subscriber.js:122)
       at Subscriber._next (Subscriber.js:72)
       at Subscriber.next (Subscriber.js:49)
```



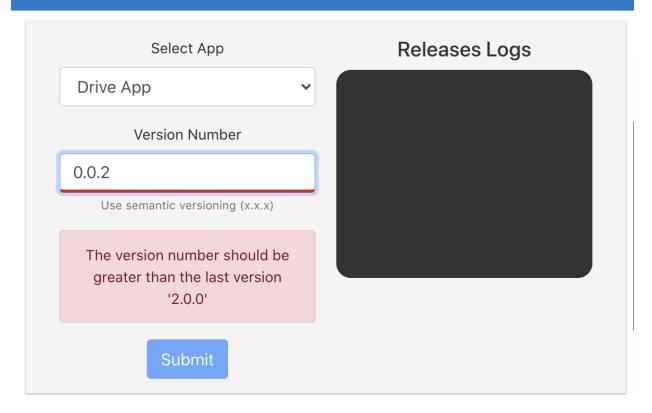






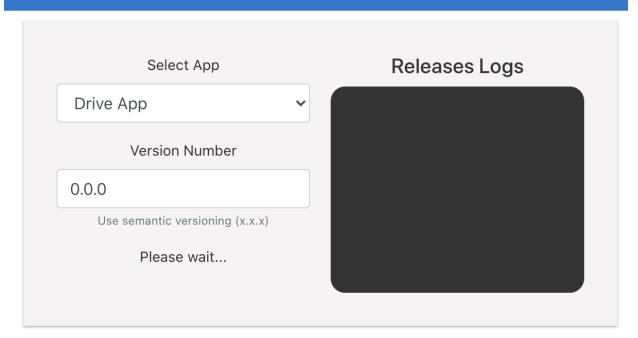


Creating an Asynchronous Validator Function



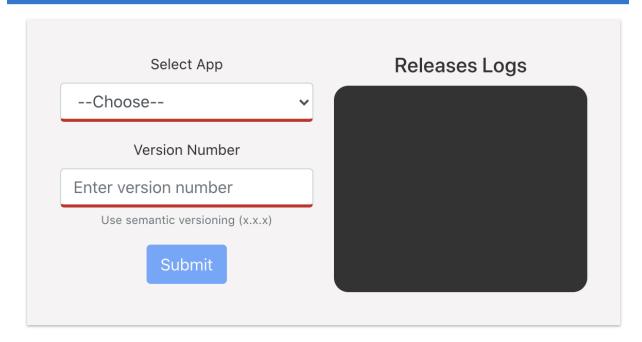


Creating an Asynchronous Validator Function

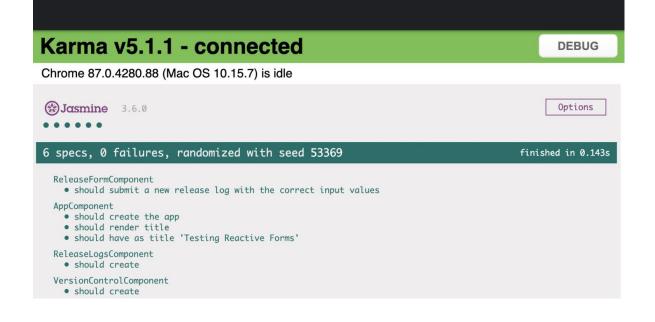




Testing Reactive Forms









8 specs, 0 failures, randomized with seed 65313

finished in 0.136s

ReleaseLogsComponent

should create

VersionControlComponent

• should create

ReleaseFormComponent

- should submit a new release log with the correct input values
- should throw an error for a new release log with the incorrect version values
- should disable the submit button when we don't have an app selected

AppComponent

- should render title
- should create the appshould have as title 'Testing Reactive Forms'



Users

Search user



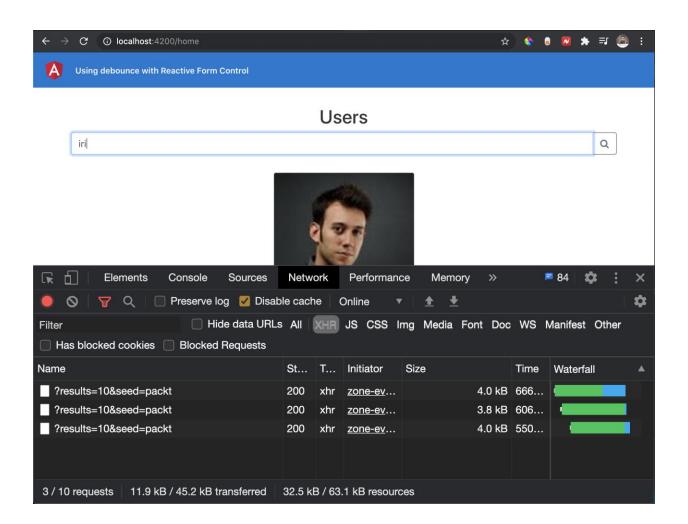
Irineu da Rocha
irineu.darocha@example.com

(04) 4008-4776



آنیتا حسینی anyt.hsyny@example.com

018-24992756



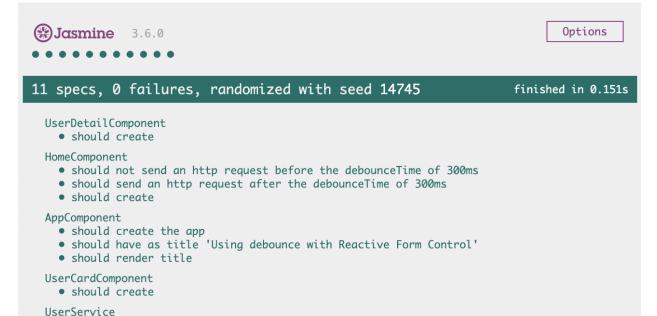
Chrome is being controlled by automated test software.

Karma v5.1.1 - connected

DEBUG

×

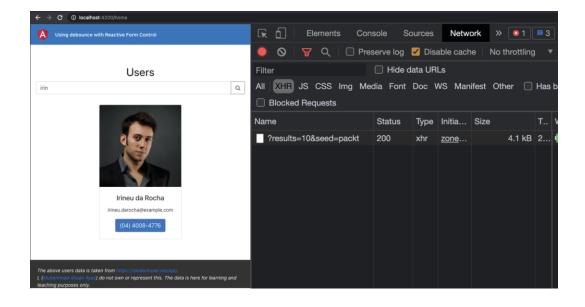
Chrome 87.0.4280.88 (Mac OS 10.15.7) is idle





should create

• should be created **AppFooterComponent** • should create





Submit Review

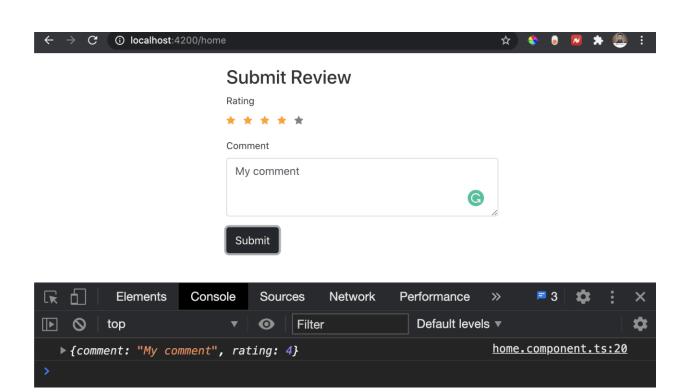
Rating		
Comment		
Submit		





Submit Review

Ra	ting						
*	*	*	*	*			
Сс	mm	ent					
	Subi	mit					



Chapter 09: Angular and the Angular CDK



Using Virtual Scroll for HUGE Lists

Our trusted customers

Angel Harvey	Α	ng	el	Ha	rv	ey	
--------------	---	----	----	----	----	----	--

1

(870) 834-0644 x7611

Nina.Schimmel@gmail.com

Miss Neil Goyette



966.500.5339 x146

Brendon_Feil@hotmail.com

Adrian Beier



714-906-3102 x5070

Cloyd92@yahoo.com

Mrs. Orville Simonis



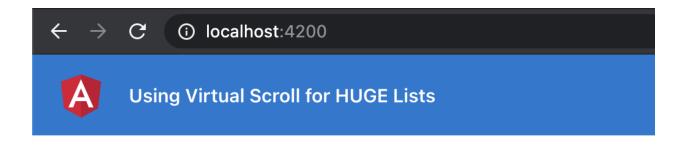


Paige_Collins69@hotmail.com

Ms. Carlos Marks

1-900-561-1118





Our trusted customers



div.list_item.list-group-item 400 x 110.51

Background #FFFFFF
Padding 12px 20px

ACCESSIBILITY

Name

Role

Keyboard-focusable

generic Omers

Miss Marty Mayer



265-643-9755 x3881

Clemmie62@hotmail.com

Miss Kathryn Streich



484.508.5522 x30874

Mellie_Medhurst@gmail.com

Brandon Mitchell



1-970-796-9073 x719

Kelton_Pfeffer23@hotmail.com

Meredith Boyer

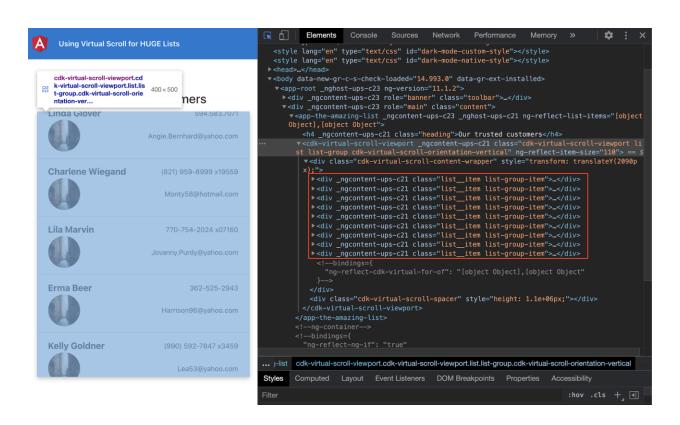


1-827-569-5184 x153

Nigel_Schuppe@yahoo.com

Tracey Wintheiser V







Using KeyListManager for Keyboard Navigation

Our trusted customers

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Mellie_Medhurst@gmail.com

Brandon Mitchell

1-970-796-9073 x719



Kelton_Pfeffer23@hotmail.com

Meredith Boyer

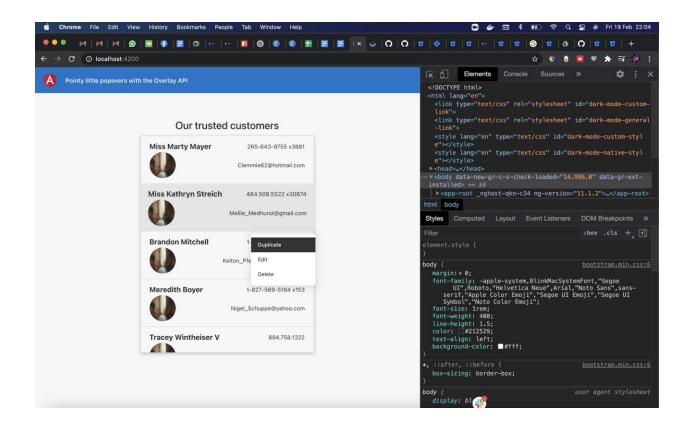
1-827-569-5184 x153



Nigel_Schuppe@yahoo.com

Tracey Wintheiser V







Pointy little popovers with the Overlay API

Our trusted customers

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Brandon Mitchell

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Kelton_Pfeffer23@hotmail.com

Meredith Boyer

1-

Duplicate



Nigel_S

Edit

Delete

Tracey Wintheiser V







Pointy little popovers with the Overlay API

Our trusted customers

Miss Marty Mayer

265-643-9755 x3881



Clemmie62@hotmail.com

Miss Kathryn Streich

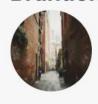
484.508.5522 x30874



Mellie_Medhurst@gmail.com

Brandon Mitchell

1-970-796-9073 x719



Kelton_Pfeffer23@hotmail.com

Meredith Boyer

.

Duplicate



Nigel_S

Edit

Delete

Tracey Wintheiser V







Copy From

https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/c

Click input to copy link

Lorem ipsum dolor sit amet, consectetur adipiscing elit,

sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Ut enim ad minim veniam, quis nostrud exercitation

Copy text to clipboard



Copy image to clipboard

Paste Here

Paste using Ctrl+V, or Cmd+V etc

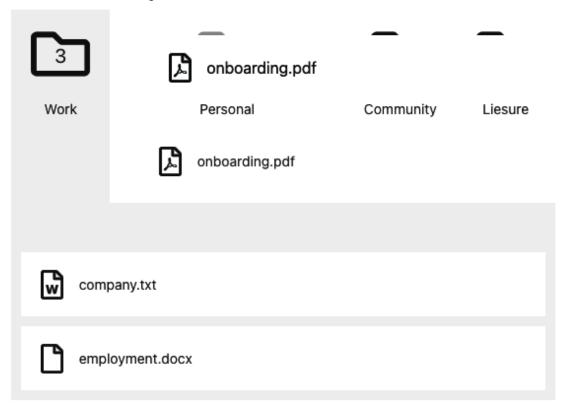


Tap a folder to view its files





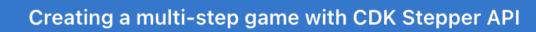
Tap a folder to view its files







Leaderboard No scores to show





Enter your name

Player Name

Enter your name

Submit

 \rightarrow



Creating a multi-step game with CDK Stepper API

Results

Leaderboard	
1 Ahsan	800
2 Panda	100
3 Saleem	50
4 John Wick	50



Resizable text inputs with CDK TextField API



Hello there



Hi



How're you doing?



Perfectly fine. How are you?

you? Perfectly fine. How are you? Perfectly fine. How are you? Perfectly fine. How are you?







Resizable text inputs with CDK TextField API



Hello there



Hi



How're you doing?



Perfectly fine. How are you?

Perfectly fine. How are you? Perfectly fine. How are you? Perfectly fine. How are you? Perfectly fine. How are you? Perfectly fine. How are you? Perfectly fine. How are you? •





Resizable text inputs with CDK TextField API



How're you doing?



Perfectly fine. How are you?



Perfectly fine. How are you? Perfectly fine. How are you?

Enter your message here

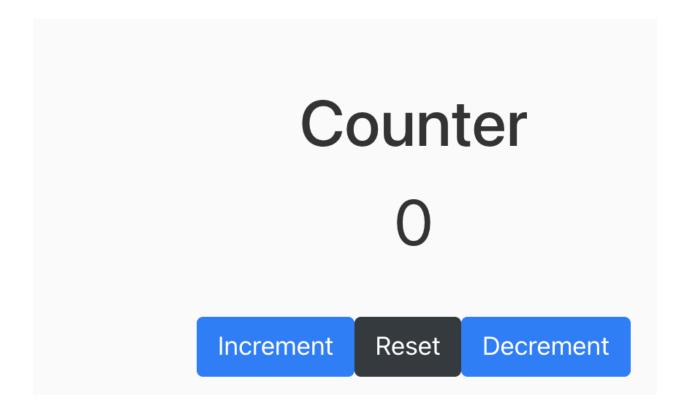


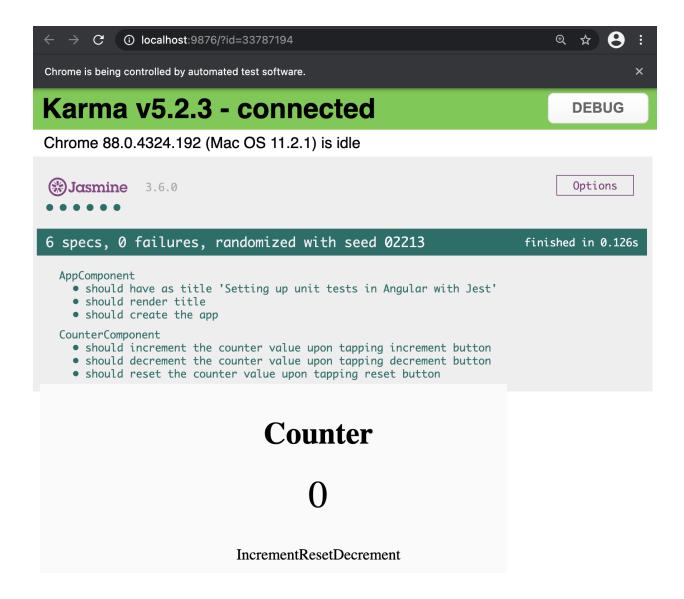


Chapter 10: Writing Unit Tests in Angular with Jest



Setting up unit tests in Angular with Jest





```
ahsanayaz@Muhammads—MBP setting—up—jest % yarn test
yarn run v1.22.4

$ jest

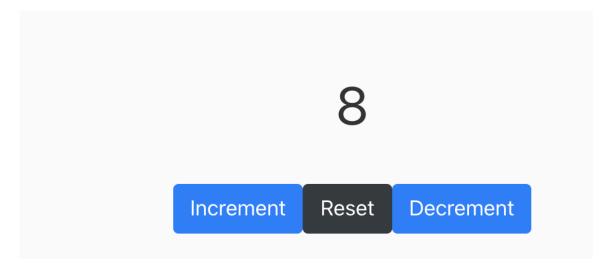
PASS
PASS
src/app/components/counter/counter.component.spec.ts
src/app/app.component.spec.ts

Test Suites: 2 passed, 2 total
Tests: 6 passed, 6 total
Snapshots: 0 total
Time: 4.396 s, estimated 6 s
Ran all test suites.

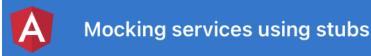
→ Done in 5.71s.
```

Counter

Max 10, Min -10



```
FAIL src/app/components/counter/counter.component.spec.ts
 CounterComponent > should retrieve value from localStorage on component init
   expect(received).toBeCalled()
   Matcher error: received value must be a mock or spy function
   Received has type: function
   Received has value: [Function getItem]
              spyOn(localStorage, 'getItem');
               component.ngOnInit();
              expect(localStorage.getItem).toBeCalled();
           });
           });
     at src/app/components/counter/counter.component.spec.ts:72:34
Test Suites: 1 failed, 1 passed, 2 total
             1 failed, 5 skipped, 3 passed, 9 total
             0 total
Snapshots:
             4.153 s
Time:
```



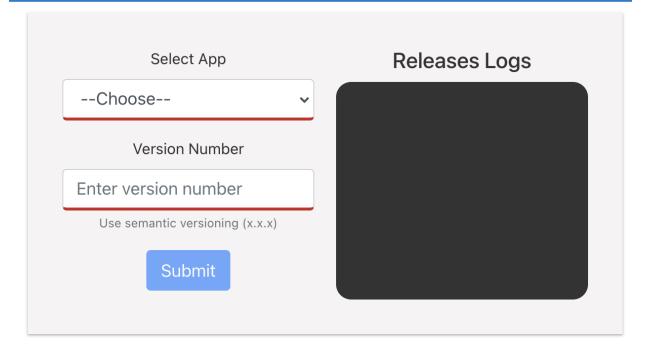
Counter

Max 10, Min -10

-2
Increment Reset Decrement



Mocking components using ng-mocks



```
ahsanayaz@Muhammads-MBP mocking-components-with-ng-mocks % npm run test -- -t 'AppComponent'

> mocking-components-with-ng-mocks@0.0.0 test /Users/ahsanayaz/Packt/ng-cook-book/ch11/final/mocking-components-with-ng-mocks

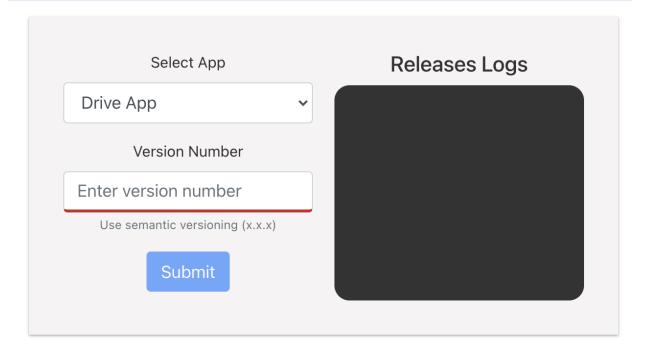
> jest "-t" "AppComponent"

PASS src/app/app.component.spec.ts

Test Suites: 3 skipped, 1 passed, 1 of 4 total
Tests: 5 skipped, 3 passed, 8 total
Snapshots: 0 total
Time: 4.375 s
Ran all test suites with tests matching "AppComponent".
```



Writing tests using CDK Harnesses



Users

Search user Q



Irineu da Rocha
irineu.darocha@example.com

(04) 4008-4776



anyt.hsyny@example.com

018-24992756

```
PASS src/app/core/components/user-card/user-card.component.spec.ts

PASS src/app/app.components/app-footer/app-footer.component.spec.ts

PASS src/app/core/components/app-footer/app-footer.component.spec.ts

PASS src/app/core/services/user.service.spec.ts

PASS src/app/core/services/user.service.spec.ts

FAIL src/app/users/users.component.spec.ts

• UsersComponent > should get users back from the API component init

Cannot make XHRs from within a fake async test. Request URL: https://api.randomuser.me?results=10&seed=packt

at FakeAsyncTestZoneSpec.Object.<anonymous>.FakeAsyncTestZoneSpec.onScheduleTask (node_modules/zone.js/bundles/zone-testing-bundle.umd.js:3352:39)

at ProxyZoneSpec.Object.<anonymous>.ProxyZoneSpec.onScheduleTask (node_modules/zone.js/bundles/zone-testing-bundle.umd.js:421:

55)

at Zone.Object.<anonymous>.Zone.scheduleTask (node_modules/zone.js/bundles/zone-testing-bundle.umd.js:255:47)

at Zone.Object.<anonymous>.Zone.scheduleTask (node_modules/zone.js/bundles/zone-testing-bundle.umd.js:278:29)

at scheduleMacroTaskWithCurrentZone (node_modules/zone.js/bundles/zone-testing-bundle.umd.js:278:29)

at node_modules/zone.js/bundles/zone-testing-bundle.umd.js:273:29)

at node_modules/zone.js/bundles/zone-testing-bundle.umd.js:273:29
```

```
FAIL src/app/user-detail/user-detail.component.spec.ts
Console
  console.log
    params ParamsAsMap { params: {} }
    at MergeMapSubscriber.project (src/app/user-detail/user-detail.component.ts:28:19)
  console.log
    params ParamsAsMap { params: {} }
    at MergeMapSubscriber.project (src/app/user-detail/user-detail.component.ts:28:19)
  console.log
    params ParamsAsMap { params: {} }
    at MergeMapSubscriber.project (src/app/user-detail/user-detail.component.ts:28:19)
• UserDetailComponent > should get the user based on routeParams on page load
  expect(received).toBeTruthy()
  Received: undefined
             component.ngOnInit();
             tick(500);
           }));
```

```
console.log
   params ParamsAsMap {
      params: { uuid: 'd2775083-57a8-4034-983b-844cbd58aba1' }
   }
   at MergeMapSubscriber.project (src/app/user-detail/user-detail.component.ts:28:19)

PASS src/app/users/users.component.spec.ts

Test Suites: 7 passed, 7 total
Tests: 12 passed, 12 total
Snapshots: 0 total
Time: 5.156 s
Ran all test suites.
'+ Done in 6.80s.
```

Digit

1

Max Multiplication Factor

10

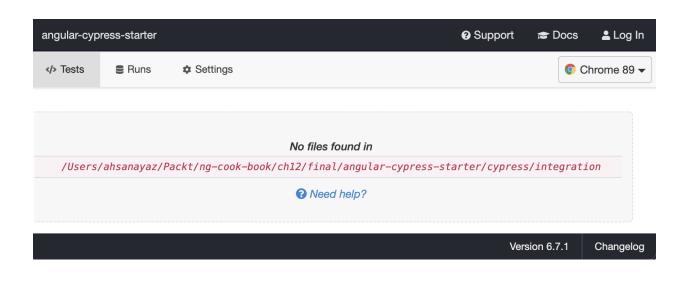
Digit: 1

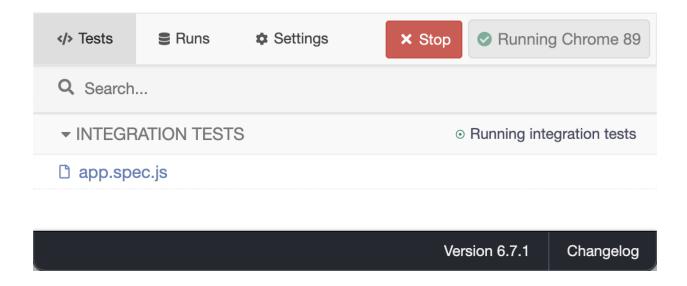
Max Factor: 10

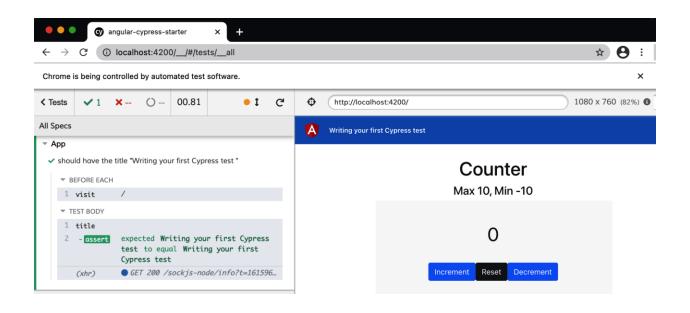
$$1 * 1 = 1$$

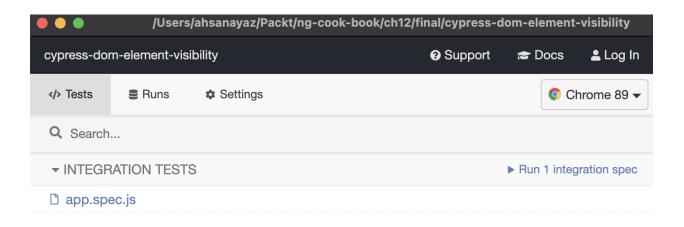
$$1 * 2 = 2$$

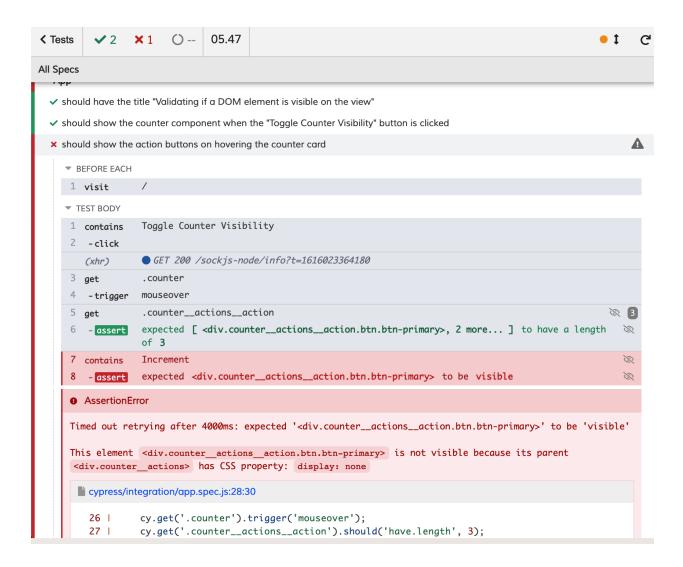
Chapter 11: E2E Tests in Angular with Cypress

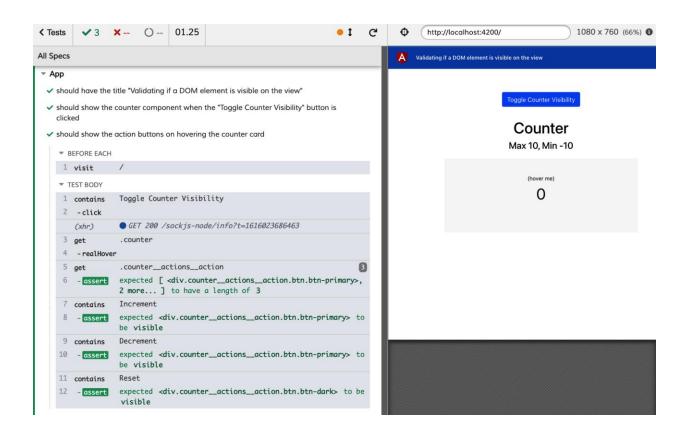


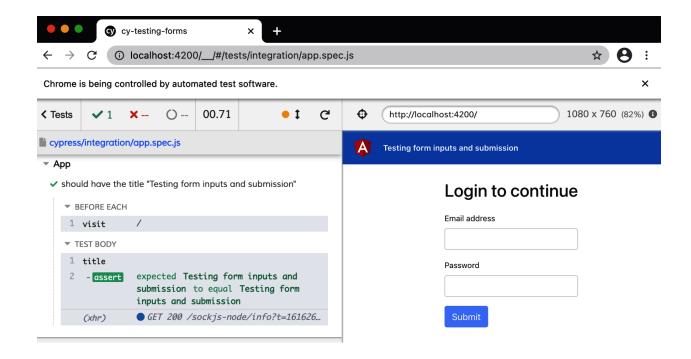


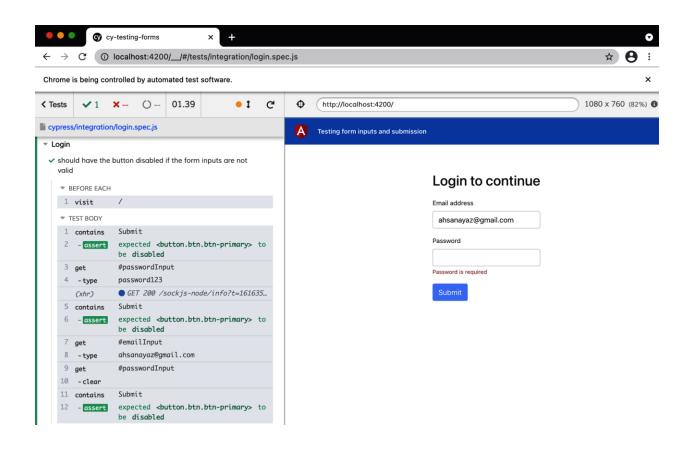


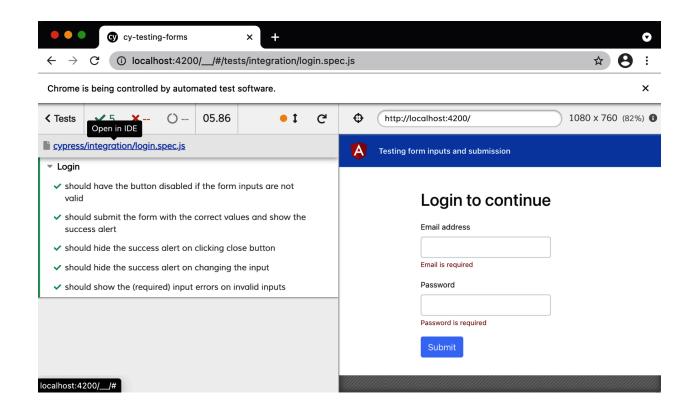


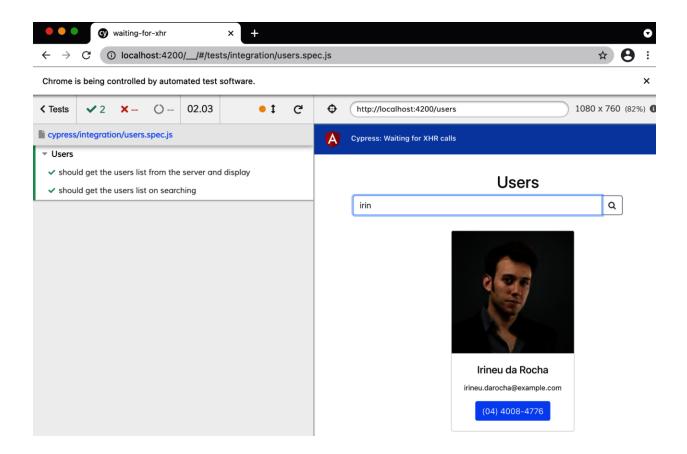


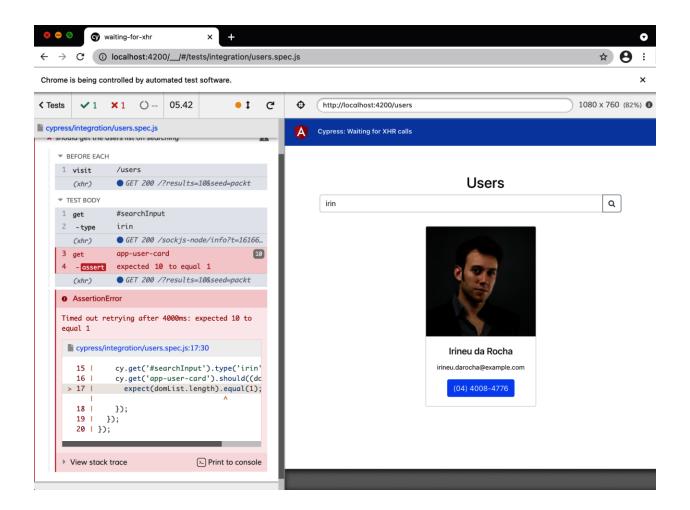


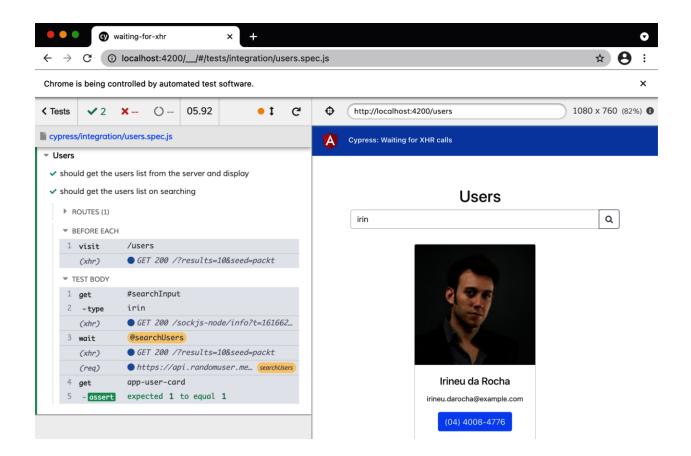


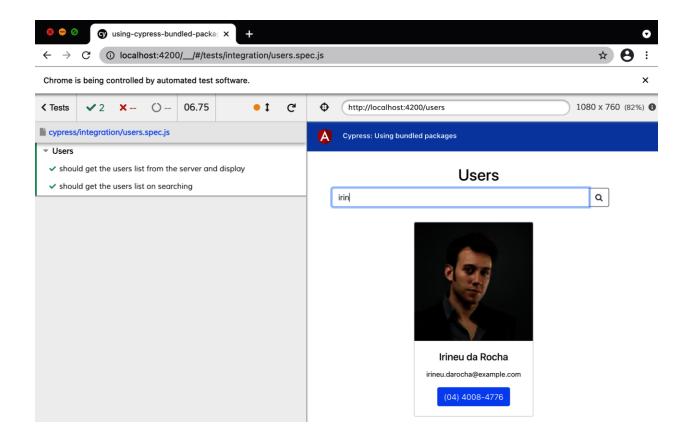


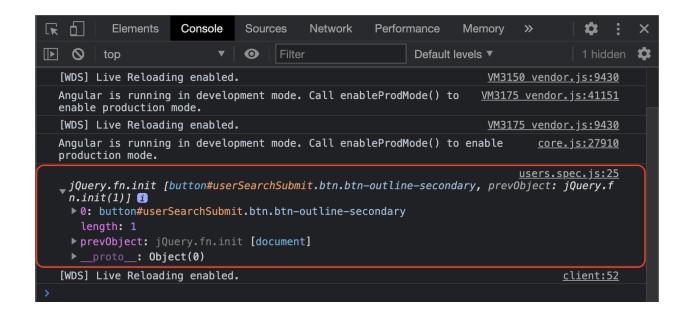


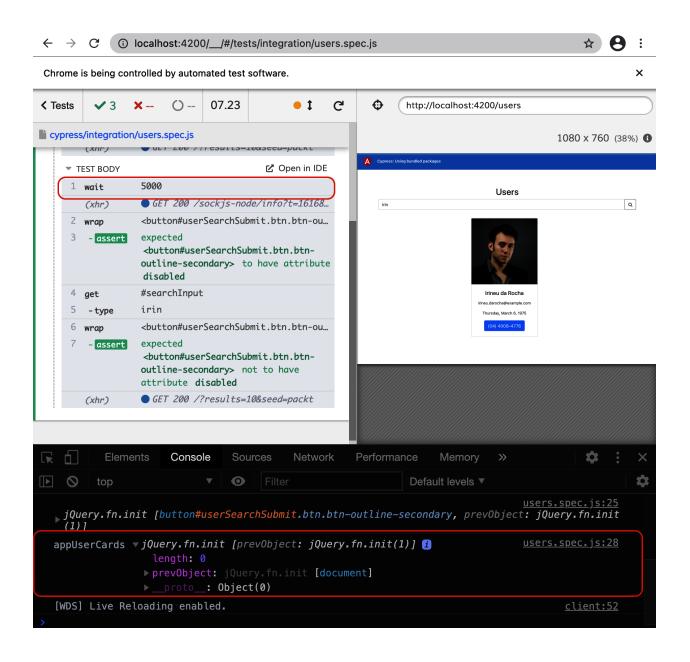


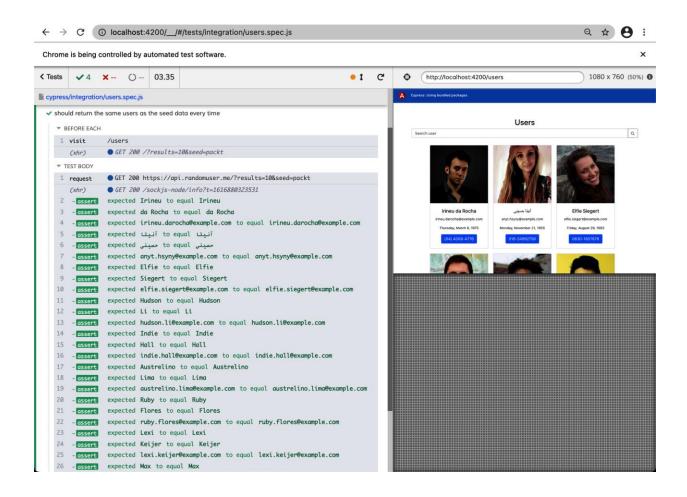


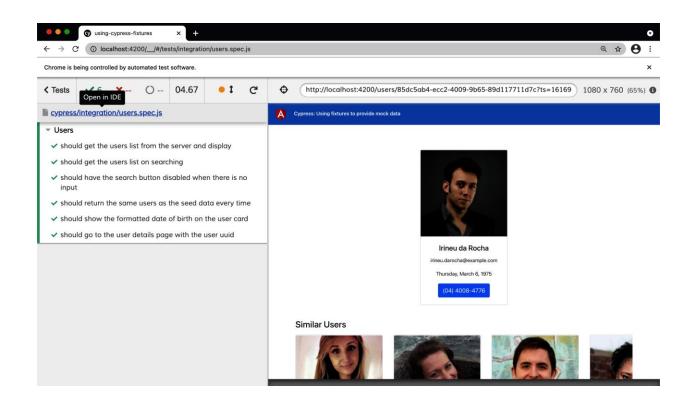


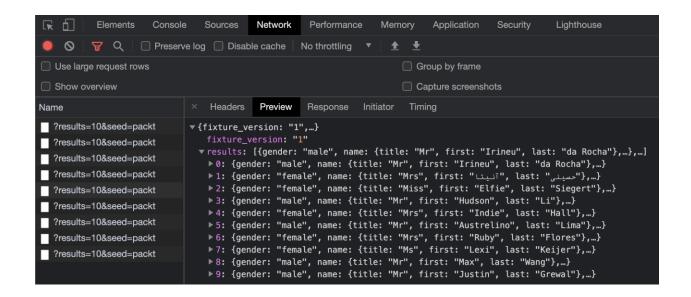


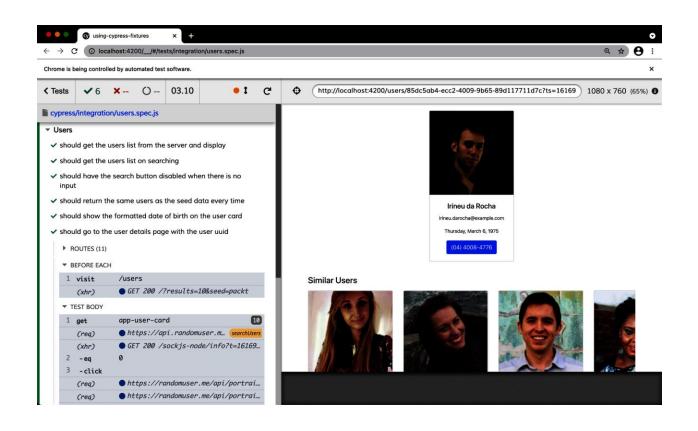


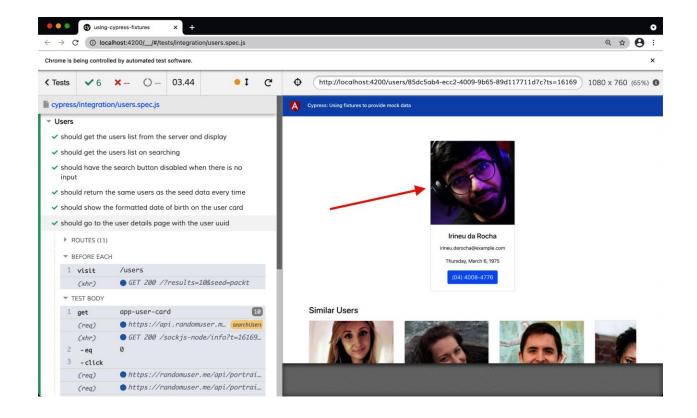




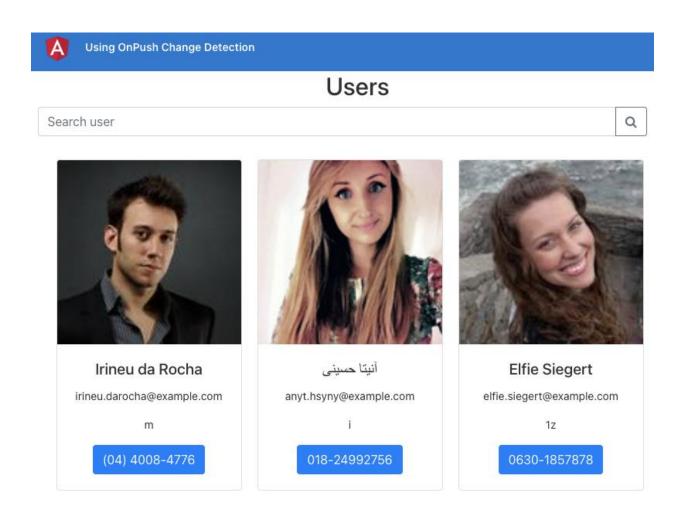








Chapter 12: Performance Optimizations in Angular



```
appLogs
    {irineu.darocha@example.com: 6, anyt.h
4·
  _syny@example.com: 8, elfie.siegert@exa
    mple.com: 12, hudson.li@example.com: 1
    6, indie.hall@example.com: 20, ...} i
      anyt.hsyny@example.com: 8
      austrelino.lima@example.com: 24
      elfie.siegert@example.com: 12
      hudson.li@example.com: 16
      indie.hall@example.com: 20
      irineu.darocha@example.com: 6
      justin.grewal@example.com: 40
      lexi.keijer@example.com: 32
      max.wang@example.com: 36
      ruby.flores@example.com: 28
    ▶ __proto__: Object
```

```
appLogs
    {irineu.darocha@example.com: 46, anyt.
⟨· |
    hsyny@example.com: 60, elfie.siegert@e
  ▼xample.com: 96, hudson.li@example.com:
    120, indie.hall@example.com: 150, ...}
     a
      anyt.hsyny@example.com: 60
      austrelino.lima@example.com: 180
      elfie.siegert@example.com: 96
      hudson.li@example.com: 120
      indie.hall@example.com: 150
      irineu.darocha@example.com: 46
     justin.grewal@example.com: 300
      lexi.keijer@example.com: 240
     max.wang@example.com: 270
      ruby.flores@example.com: 210
    ▶ __proto__: Object
```

```
appLogs
    {irineu.darocha@example.com: 2, anyt.h
4·
  _syny@example.com: 4, elfie.siegert@exa
    mple.com: 8, hudson.li@example.com: 8,
    indie.hall@example.com: 10, ...} i
     anyt.hsyny@example.com: 4
     austrelino.lima@example.com: 12
     elfie.siegert@example.com: 8
     hudson.li@example.com: 8
     indie.hall@example.com: 10
     irineu.darocha@example.com: 2
     justin.grewal@example.com: 20
     lexi.keijer@example.com: 16
     max.wang@example.com: 18
      ruby.flores@example.com: 14
    proto_: Object
```



Search user

Q



Irineu da Rocha
irineu.darocha@example.com

T

(04) 4008-4776



آنیتا حسینی anyt.hsyny@example.com

D

018-24992756

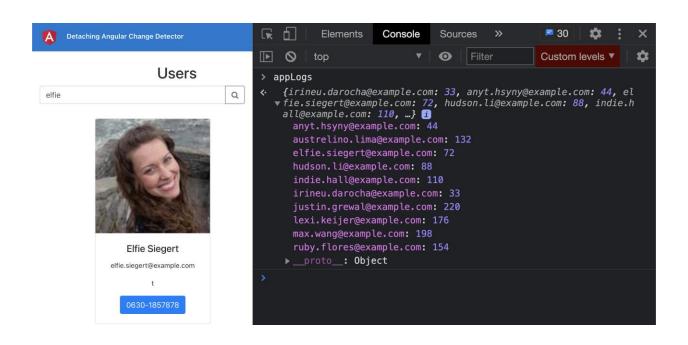


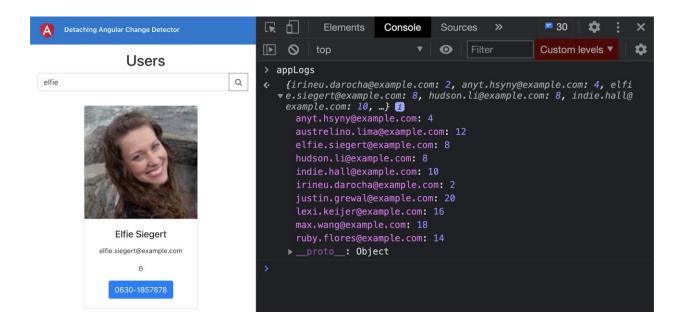
Elfie Siegert

elfie.siegert@example.com

oA

0630-1857878







Watch

22:48:53:471

Greetings Ahsan Ayaz

Ahsan Ayaz

```
> appLogs
< {watch: 4, hours: 1, minutes: 1, seconds: 1, milliseco
    nds: 1} i
    hours: 1
    milliseconds: 1
    minutes: 1
    seconds: 1
    watch: 4
    proto_: Object</pre>
```

```
> appLogs

{watch: 1432, hours: 2, minutes: 2, seconds: 5, millis
   econds: 715} [i]
     hours: 2
     milliseconds: 1036
     minutes: 2
     seconds: 6
     watch: 2074
    ▶ __proto__: Object
> appLogs

    ⟨watch: 6222, hours: 2, minutes: 2, seconds: 15, milli

   seconds: 3109} [i]
     hours: 2
     milliseconds: 3307
     minutes: 2
     seconds: 15
     watch: 6618
    ▶ __proto__: Object
```

```
> appLogs

{ watch: 1264, hours: 2, minutes: 2, seconds: 8, millis

   econds: 1263} [i]
    hours: 2
    milliseconds: 1476
    minutes: 2
    seconds: 9
    watch: 1477
   ▶ __proto__: Object
> appLogs
seconds: 2076} i
    hours: 2
    milliseconds: 2297
    minutes: 2
    seconds: 12
    watch: 2298
   ▶ __proto__: Object
```



Our trusted customers

Miss Marty Mayer

265-643-9755 x3881



Clemmie62@hotmail.com



Miss Kathryn Streich

484.508.5522 x30874



Mellie_Medhurst@gmail.com



Brandon Mitchell

1-970-796-9073 x719



Kelton_Pfeffer23@hotmail.com



Meredith Boyer

1-827-569-5184 x153



Nigel_Schuppe@yahoo.com



```
A Clear console Ctrl L % K elopment mode. <a href="mailto:core.js:27910">core.js:27910</a>
enable production mode.

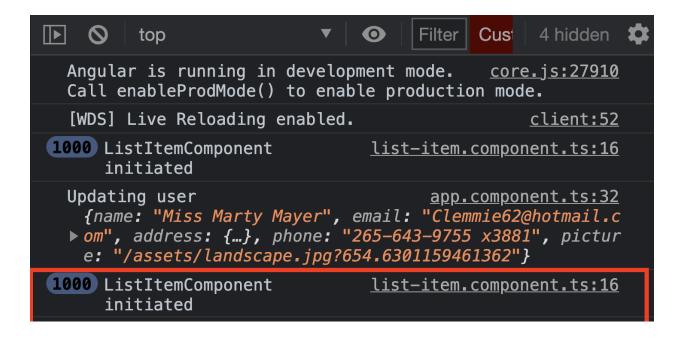
[WDS] Live Reloading enabled. <a href="mailto:client:52">client:52</a>

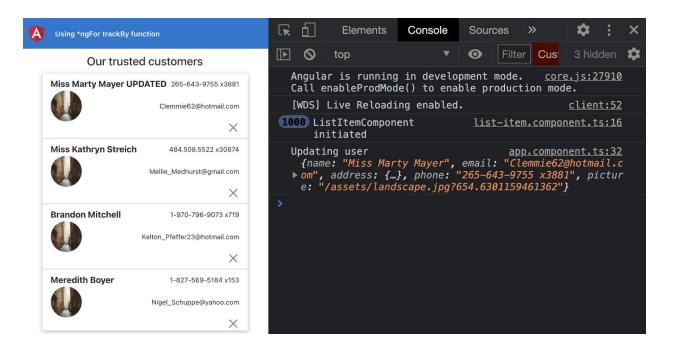
1000 ListItemComponent <a href="mailto:list-item.component.ts:16">list-item.component.ts:16</a>
initiated

Deleting user <a href="mailto:app.component.ts:39">app.component.ts:39</a>
{name: "Miss Marty Mayer", email: "Clemmie62@hotmail.c">om", address: {...}, phone: "265-643-9755 x3881", picture: "/assets/landscape.jpg?654.6301159461362"}

999 ListItemComponent initiated list-item.component.ts:16

>
```







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Q



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آنیتا حسینی anyt.hsyny@example.com j

018-24992756



Elfie Siegert
elfie.siegert@example.com
eG

0630-1857878



Search user Q



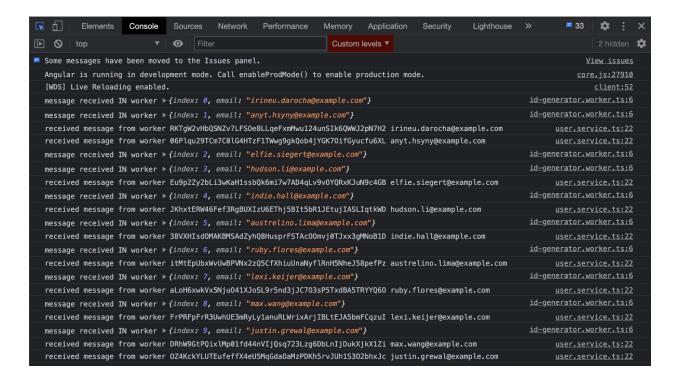
Irineu da Rocha
irineu.darocha@example.com

A

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ahsanayaz@Muhammads-MBP angular-performance-budgets % ng build --prod Browser application bundle generation complete. Copying assets complete. Index html generation complete. **Initial Chunk Files** Names Size main.636953a84ba78df03f95.js 268.05 kB main polyfills.66cbf868de57007a248c.js polyfills 36.00 kB runtime.583904e63cb9a5659203.js runtime 2.31 kB styles.09e2c710755c8867a460.css styles 0 bytes Initial Total | 306.35 kB Lazy Chunk Files Names Size 4.56 kB common.18fe967b5b48a6d9b344.js common 6.fa8f5359cd76c4c3c3bb.js 1.75 kB 7.009a8adad262cdc923ae.js 912 bytes 5.a449fd050ca9289dd993.js 911 bytes Build at: 2021-04-12T18:49:47.548Z - Hash: d793cb44c27a566afe6e - Time: 17485ms

```
ahsanayaz@Muhammads-MBP angular-performance-budgets % ng build --prod
Browser application bundle generation complete.
 Copying assets complete.
Index html generation complete.
Initial Chunk Files
                                                         Size
                                    Names
main.e48427605c12dd80b439.js
                                                      1.12 MB
                                    main
                                                     36.00 kB
polyfills.66cbf868de57007a248c.js
                                    polyfills
runtime.583904e63cb9a5659203.js
                                    runtime
                                                      2.31 kB
styles.09e2c710755c8867a460.css
                                    styles
                                                      0 bytes
                                    Initial Total
                                                      1.16 MB
Lazy Chunk Files
                                                         Size
                                    Names
common.18fe967b5b48a6d9b344.js
                                                      4.56 kB
                                    common
                                                      1.75 kB
6.fa8f5359cd76c4c3c3bb.js
7.009a8adad262cdc923ae.js
                                                    912 bytes
5.a449fd050ca9289dd993.js
                                                    911 bytes
Build at: 2021-04-12T18:57:53.537Z - Hash: 5ee9352e9b1e5d2f4664 - Time: 35269ms
```

ahsanayaz@Muhammads-MBP angular-performance-budgets % ng build --prod

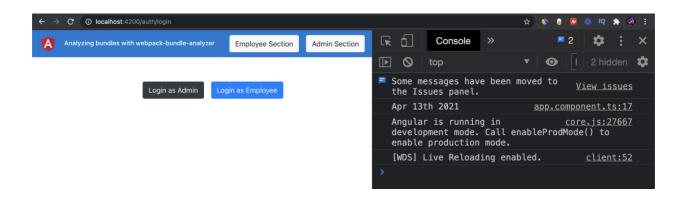
Browser application bundle generation complete.

Warning: budgets: initial exceeded maximum budget. Budget 800.00 kB was not met by 383.86 kB with a total of 1.16 MB.

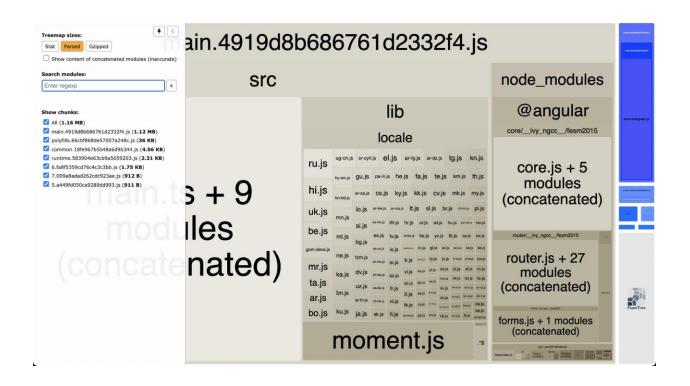
Error: budgets: initial exceeded maximum budget. Budget 1.00 MB was not met by 159.8

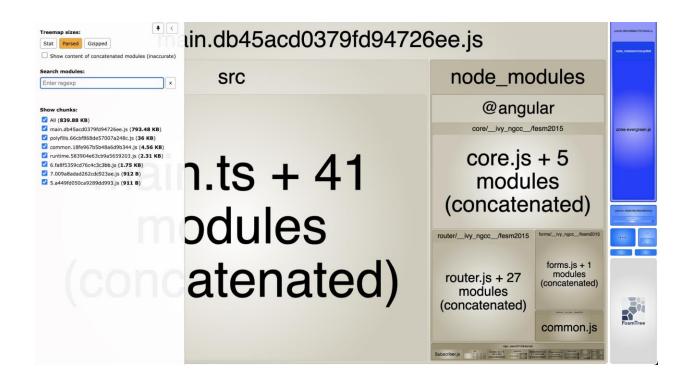
6 kB with a total of 1.16 MB.

ahsanayaz@Muhammads-MBP angular-performance-budgets % ng build --prod Browser application bundle generation complete. Copying assets complete. Index html generation complete. Initial Chunk Files Names Size main.23532ad8305a49dcab35.js main 793.42 kB polyfills.66cbf868de57007a248c.js polyfills 36.00 kB runtime.583904e63cb9a5659203.js runtime 2.31 kB styles styles.09e2c710755c8867a460.css 0 bytes Initial Total | 831.73 kB Lazy Chunk Files Names Size 4.56 kB common.18fe967b5b48a6d9b344.js common 1.75 kB 6.fa8f5359cd76c4c3c3bb.js 7.009a8adad262cdc923ae.js 912 bytes 5.a449fd050ca9289dd993.js 911 bytes Build at: 2021-04-12T19:23:54.731Z - Hash: 157348e679960d29b796 - Time: 27974ms Warning: budgets: initial exceeded maximum budget. Budget 800.00 kB was not met by 3 1.73 kB with a total of 831.73 kB.



```
ahsanayaz@Muhammads-MBP using-webpack-bundle-analyzer % ng build --prod
 Browser application bundle generation complete.
 Copying assets complete.
 Index html generation complete.
Initial Chunk Files
                                     Names
                                                          Size
                                                       1.12 MB
main.4919d8b686761d2332f4.js
                                     main
polyfills.66cbf868de57007a248c.js
                                     polyfills
                                                      36.00 kB
runtime.583904e63cb9a5659203.js
                                     runtime
                                                       2.31 kB
styles.09e2c710755c8867a460.css
                                     styles
                                                       0 bytes
                                     Initial Total
                                                       1.16 MB
Lazy Chunk Files
                                     Names
                                                          Size
common.18fe967b5b48a6d9b344.js
                                     common
                                                       4.56 kB
6.fa8f5359cd76c4c3c3bb.js
                                                       1.75 kB
7.009a8adad262cdc923ae.js
                                                     912 bytes
5.a449fd050ca9289dd993.js
                                                     911 bytes
Build at: 2021-04-13T01:40:03.255Z - Hash: 8394a47c42221f2fd6ac - Time: 17011ms
```



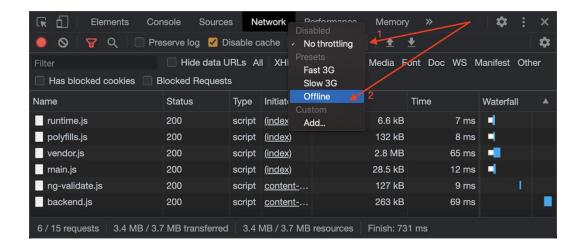


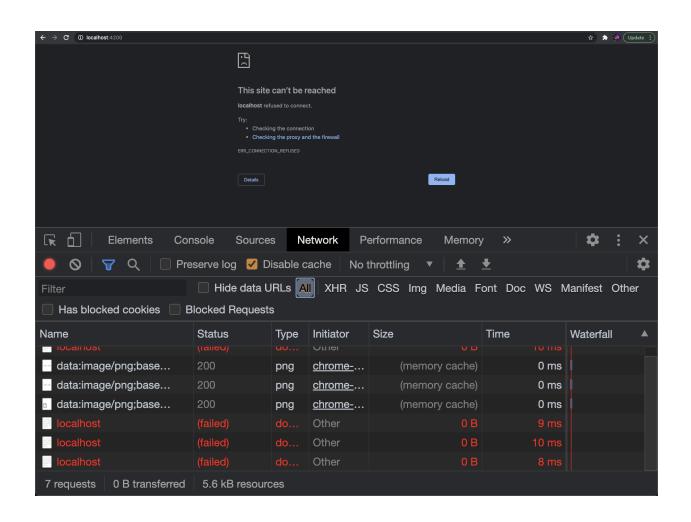
Chapter 13: Creating PWAs with Angular

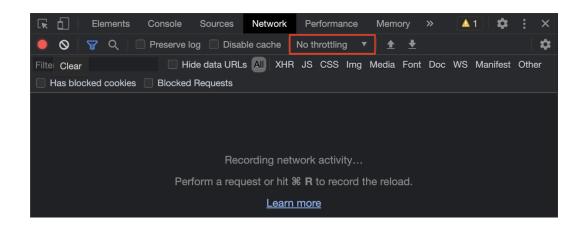


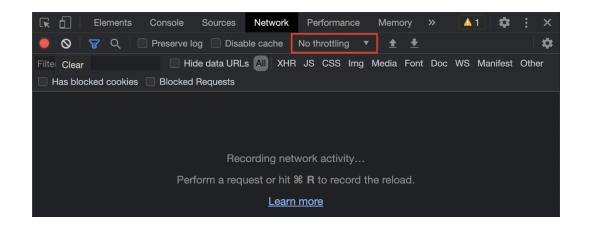
Counter



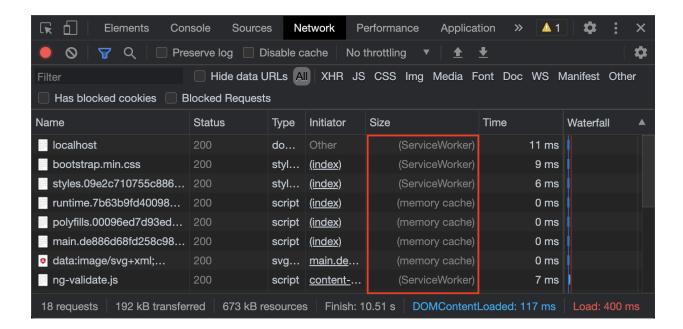


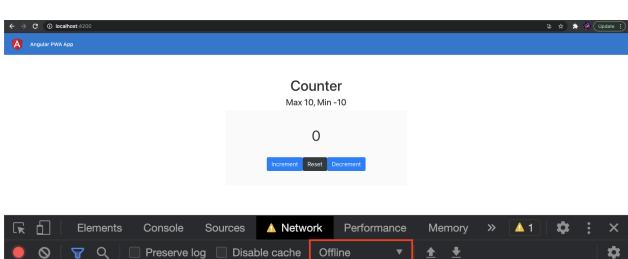


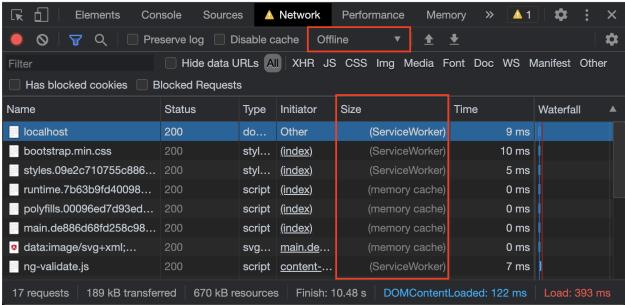


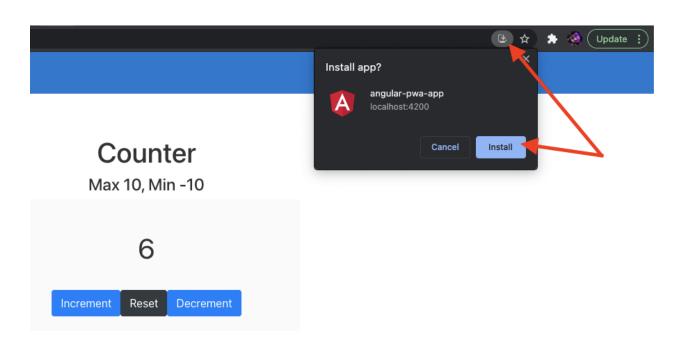


Name	Status	Туре	Initiator	Size	Time	Waterfall	A
localhost	200	do	Other	1.1 kB	6 ms	1	
bootstrap.min.css	200	styl	(index)	161 kB	16 ms	1	
styles.09e2c710755c886	200	styl	(index)	284 B	16 ms	1	
runtime.7b63b9fd40098	200	script	(index)	1.8 kB	9 ms	1	
polyfills.00096ed7d93ed	200	script	(index)	37.2 kB	10 ms	(
main.de886d68fd258c98	200	script	(index)	209 kB	11 ms	(
data:image/svg+xml;	200	svg	main.de	(memory cache)	0 ms		
ngsw-worker.js	200	jav	Other	0 B	10 ms		
18 requests 672 kB transfer	red 817 kB re	sources	Finish: 1	0.62 s DOMContent	Loaded: 270 ms	Load: 501 ms	5





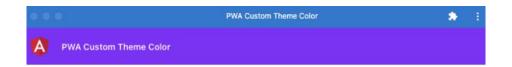




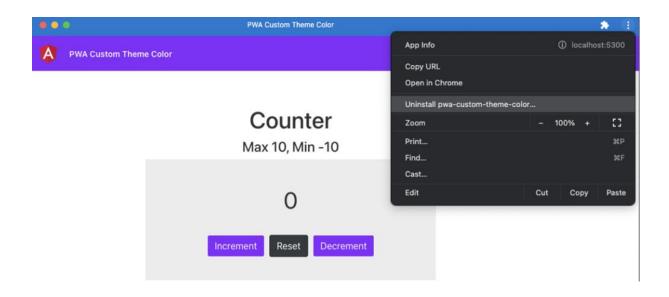




Message (#Enter to commit on 'master')				
∨ Changes				
{} angular.json ch14/final/angular-pwa-app				
{} ngsw-config.json ch14/final/angular-pwa-app				
{} package-lock.json ch14/final/angular-pwa-app				
{} package.json ch14/final/angular-pwa-app				
◇ index.html ch14/final/angular-pwa-app/src				
{} manifest.webmanifest ch14/final/angular-pwa-app/src				
TS app.module.ts ch14/final/angular-pwa-app/src/app				
icon-72x72.png ch14/final/angular-pwa-app/src/assets/icons				
ch14/final/angular-pwa-app/src/assets/icons				
icon-128x128.png ch14/final/angular-pwa-app/src/assets/icons	U			
icon-144x144.png ch14/final/angular-pwa-app/src/assets/icons	U			
icon-152x152.png ch14/final/angular-pwa-app/src/assets/icons	U			
icon-192x192.png ch14/final/angular-pwa-app/src/assets/icons	U			
icon-384x384.png ch14/final/angular-pwa-app/src/assets/icons				
ch14/final/angular-pwa-app/src/assets/icons	U			

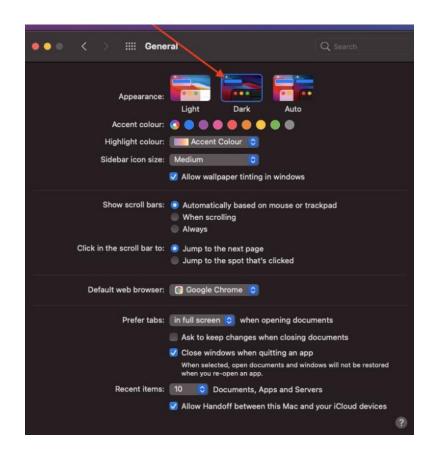






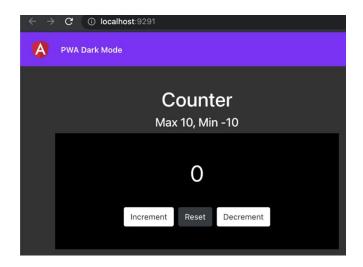


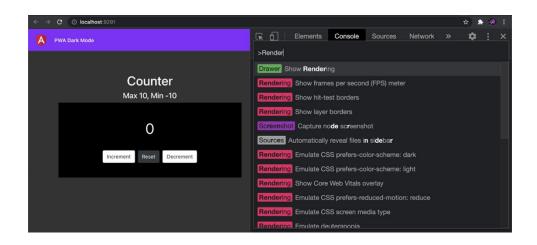


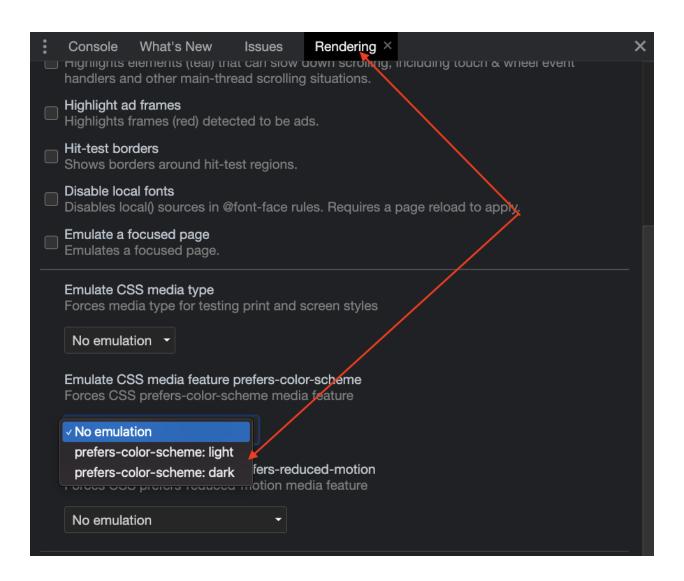




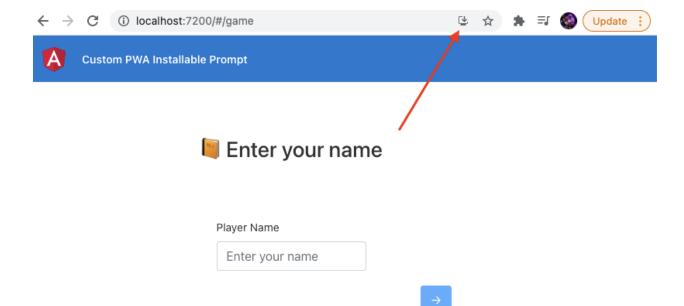


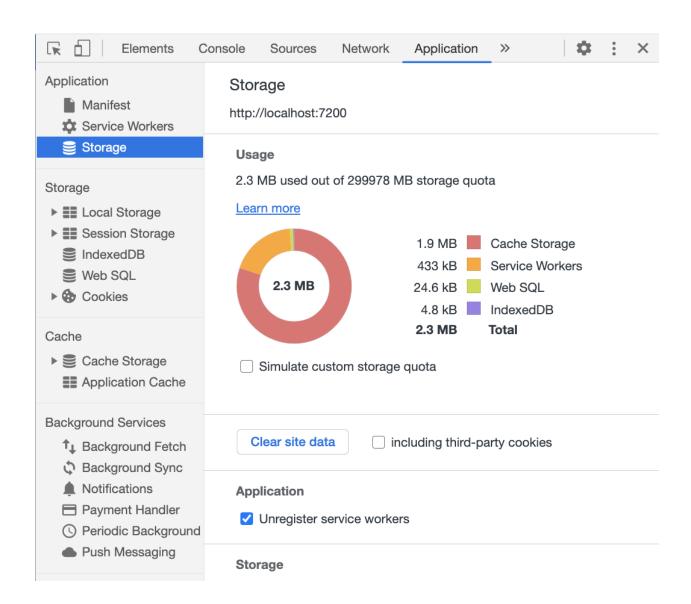


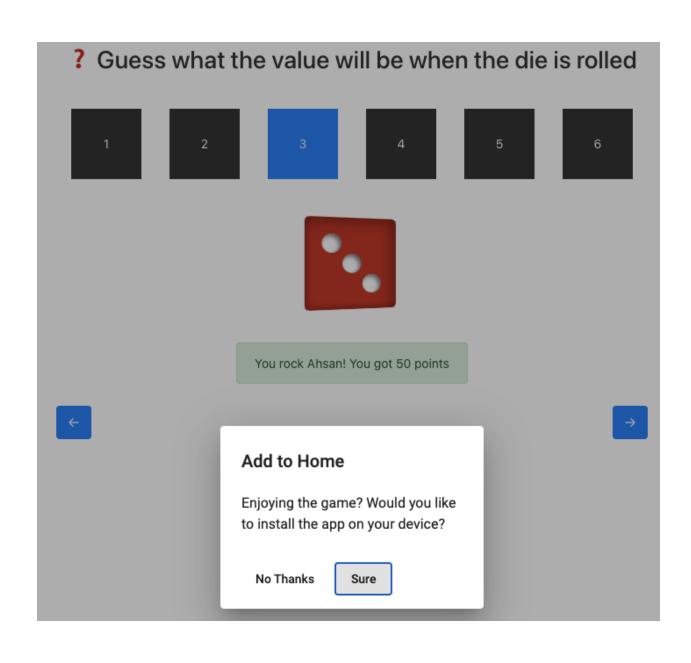


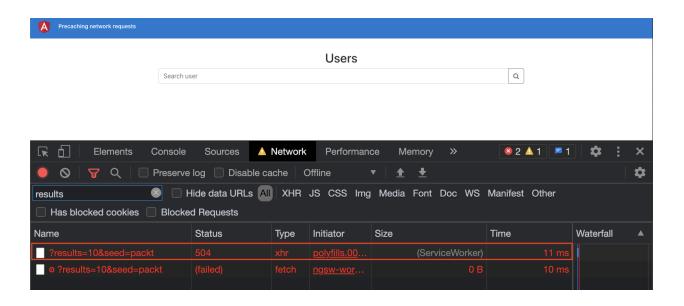


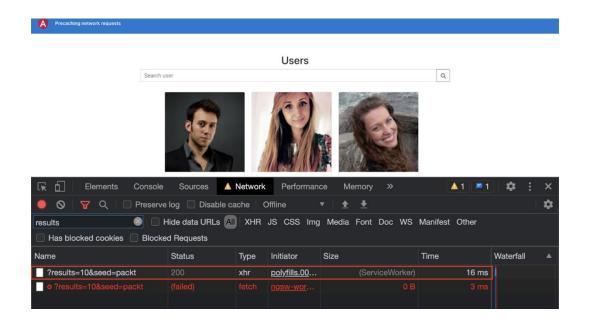






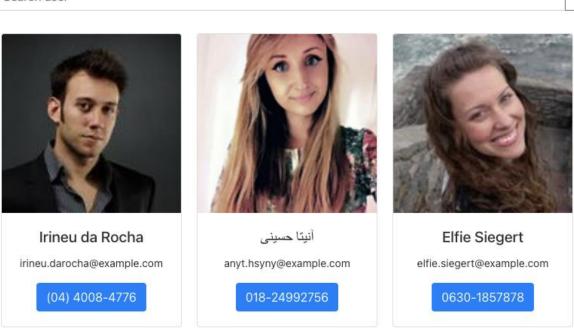






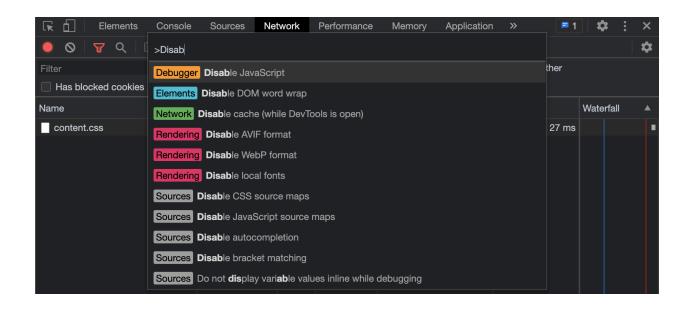


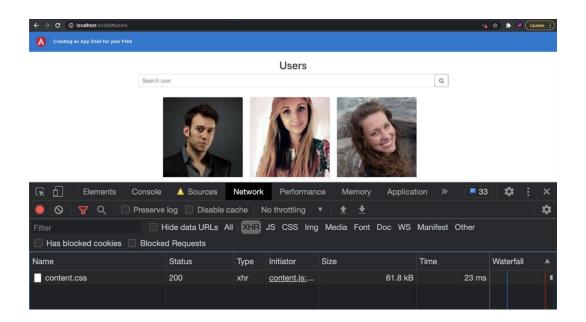
Search user Q





Please enable JavaScript to continue using this application.





```
sourceMappingURL=data:application/json;base64,eyJ2ZXJzaW9uIjozLCJzb3VyY2VzIjpbIi4u
     <app-root _nghost-sc49="" ng-version="11.1.2"><div _ngcontent-sc49="" role="banner"</pre>
 }--></div></app-user-card><app-user-card _ngcontent-sc48="" _nghost-sc16="" ng-reflect-
    "ng-reflect-ng-if": "[object Object]"

√ }--></div></app-user-card><app-user-card _ngcontent-sc48="" _nghost-sc16="" ng-reflect-</p>
    "ng-reflect-ng-if": "[object Object]"
}--></div></app-user-card><app-user-card _ngcontent-sc48="" _nghost-sc16="" ng-reflect-</p>
    "ng-reflect-ng-if": "[object Object]"
}--></div></app-user-card><app-user-card _ngcontent-sc48="" _nghost-sc16="" ng-reflect-</p>
   "ng-reflect-ng-if": "[object Object]"
}--></div></app-user-card><app-user-card _ngcontent-sc48="" _nghost-sc16="" ng-reflect-</p>
    "ng-reflect-ng-if": "[object Object]"
}--></div></app-user-card><app-user-card _ngcontent-sc48="" _nghost-sc16="" ng-reflect-</p>
    "ng-reflect-ng-if": "[object Object]"
}--></div></app-user-card><app-user-card _ngcontent-sc48="" _nghost-sc16="" ng-reflect-</p>
 }--></div></app-user-card><app-user-card _ngcontent-sc48="" _nghost-sc16="" ng-reflect-
✓ }--></div></app-user-card><app-user-card _ngcontent-sc48="" _nghost-sc16="" ng-reflect-</p>
   "ng-reflect-ng-if": "[object Object]"
    -></div></app-user-card><!--bindings={

    }--></div><!--bindings={</pre>
   "ng-reflect-ng-if": "[object Object],[object Object"
    ></div></div></app-users></app-app-shell><!--container--></div></app-root>
```



Search user





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irineu.darocha@example.com



أنيتا حسينى anyt.hsyny@example.com



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0630-1857



Hudson Li hudson.li@example.com



Indie Hall
indie.hall@example.com



Austrelino Lima
austrelino.lima@example.com