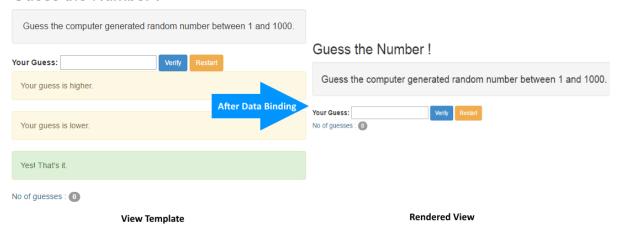
Chapter 1: Getting Started

Guess the Number!

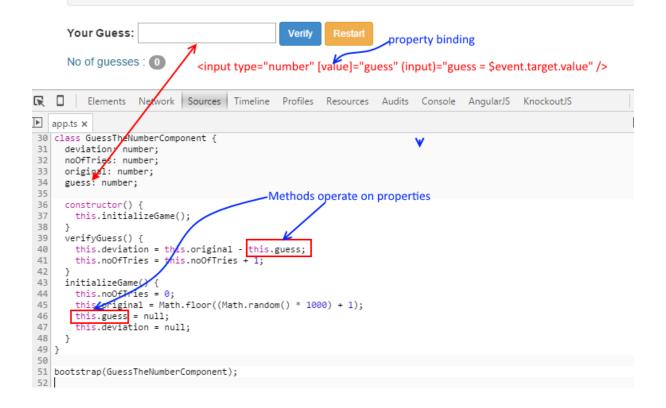
Guess th	e computer generated random number between 1 and 1000.
Your Guess:	Verify Restart
No of guesse	s: 0
	Your Guess: 444 Verify Restart
	Your guess is higher.
	No of guesses 6 noOfTries changes with each guess

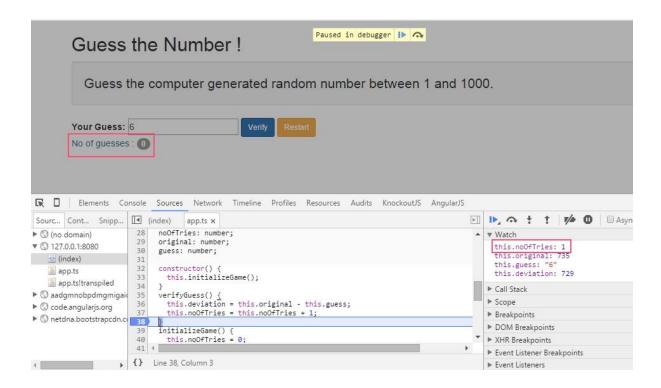
Guess the Number!



Guess the Number!

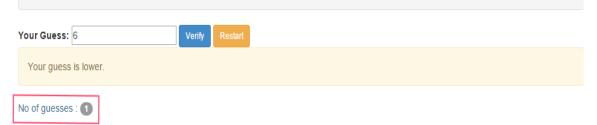
Guess the computer generated random number between 1 and 1000.





Guess the Number!

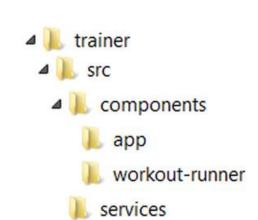
Guess the computer generated random number between 1 and 1000.





Chapter 2: Building Our First App-7 Minute Workout





```
Current Exercise: {
  "exercise": {
    "name": "jumpingJacks",
    "title": "Jumping Jacks",
    "description": "A jumping jack or star jump, also called side-
    "image": "JumpingJacks.png",
    "nameSound": "",
    "procedure": "Assume an erect position, with feet together and
inches into the air.\n
                                                   While in air, br
you are moving your legs outward, you should raise your arms up o
           Your feet should land shoulder width or wider as your h
    "videos": [
      "dmYwZH_BNd0",
      "BABOdJ-2Z6o",
      "c4DAnQ6DtF8"
   ]
  },
  "duration": 30
}
```

Time Left: 28

Jumping Jacks





Assume an erect position, with feet together and arms at your side
br/>Slightly bend your knees, and propel yourself a few inches into the air
br/>While in air,

Description

A jumping jack or star jump, also called sidestraddle hop is a Workout Remaining - 00:07:38

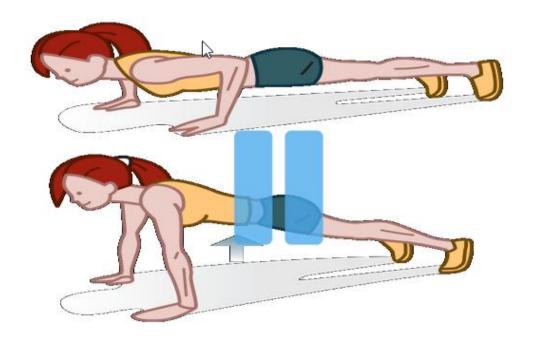
Jumping Jacks

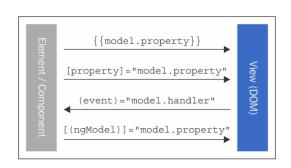


Time Remaining: 3 Next up: Wall Sit

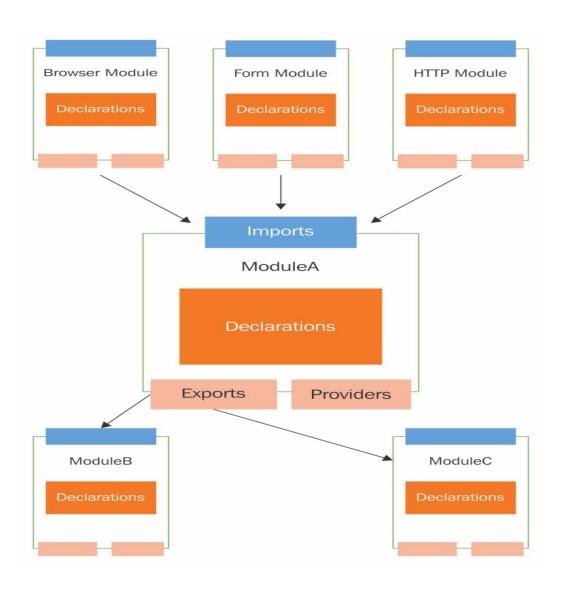
Workout Remaining - 00:06:02

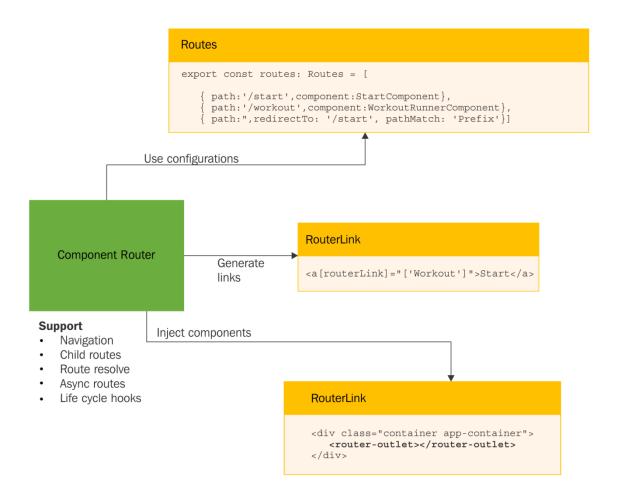
Push Up

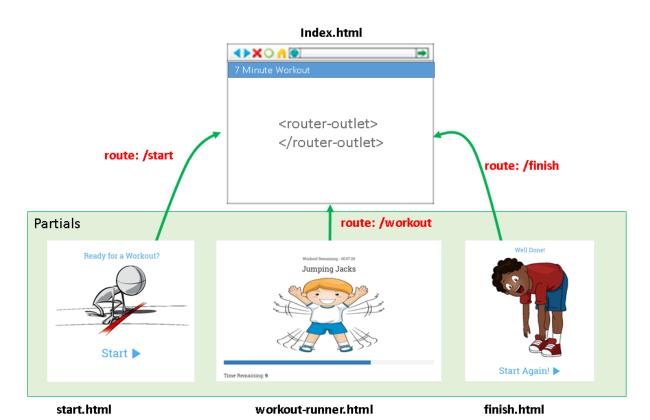




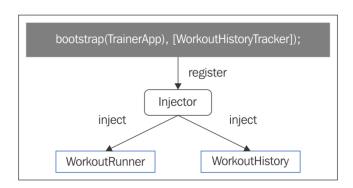
Chapter 3: More Angular 2 – SPA, Routing, and Data Flows in Depth

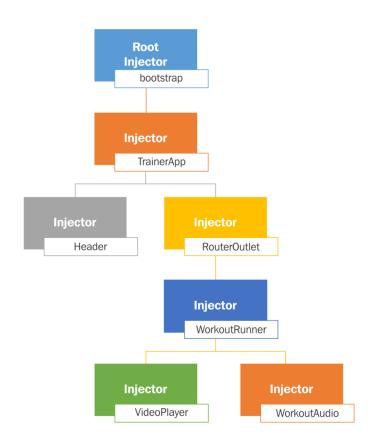


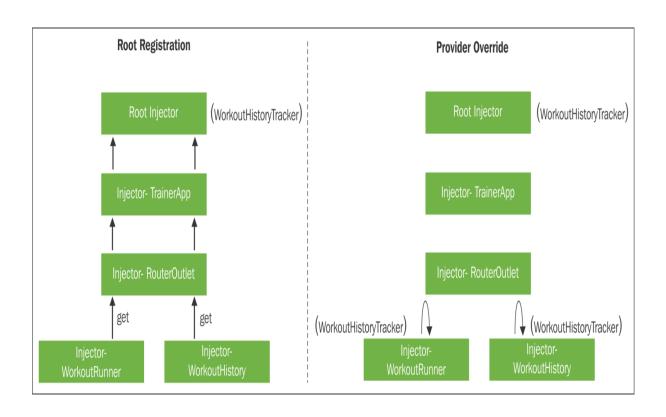












Chapter 4: Personal Trainer



Personal Trainer History

Ready for a Workout?

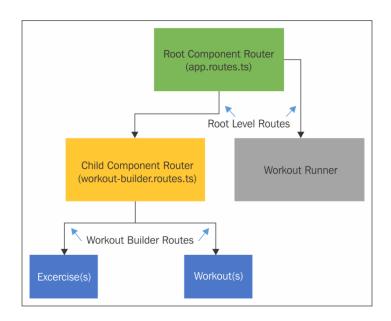


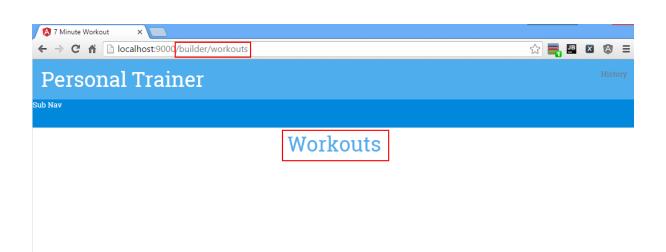
Select Workout

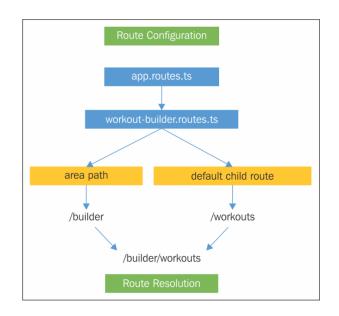
Create a Workout 🛨

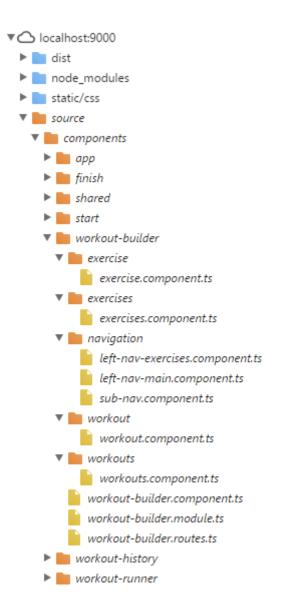
Personal Trainer History

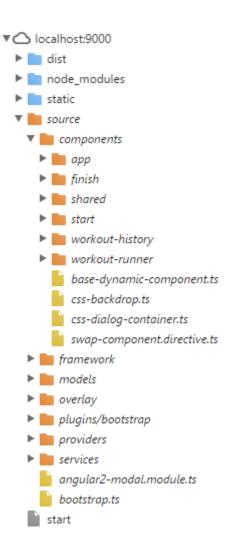
Workout Builder









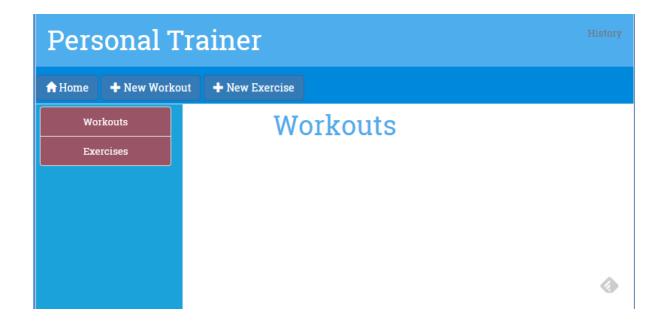


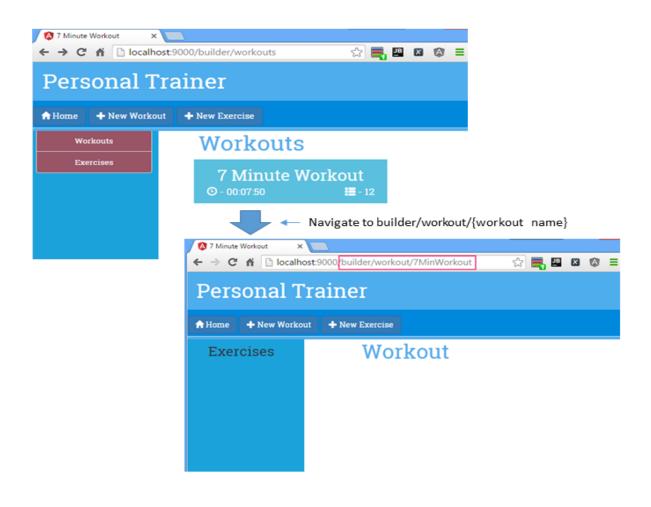
Name	Method▲	Status	Туре	Initiator	Size	Time	Timeline
workout-builder.module.js	GET	200	xhr	zone.js:1274	7.0 KB	3 ms	1
exercise.component.js	GET	200	xhr	zone.js:1274	2.8 KB	5 ms	•
exercises.component.js	GET	200	xhr	zone.js:1274	2.8 KB	5 ms	4
left-nav-exercises.component.js	GET	200	xhr	zone.js:1274	2.9 KB	6 ms	
left-nav-main.component.js	GET	200	xhr	zone.js:1274	2.9 KB	6 ms	1
sub-nav.component.js	GET	200	xhr	zone.js:1274	2.8 KB	6 ms	•
workout-builder.component.js	GET	200	xhr	zone.js:1274	3.2 KB	6 ms	•
workout.component.js	GET	200	xhr	zone.js:1274	2.8 KB	4 ms	•
workouts.component.js	GET	200	xhr	zone.js:1274	2.8 KB	4 ms	•
workout-builder.routes,js	GET	200	xhr	zone.js:1274	5.3 KB	4 ms	•
workout.component.html	GET	200	xhr	zone.js:1274	461 B	6 ms	•
workouts.component.html	GET	200	xhr	zone.js:1274	452 B	5 ms	•
exercise.component.html	GET	200	xhr	zone.js:1274	449 B	5 ms	4
exercises.component.html	GET	200	xhr	zone.js:1274	453 B	3 ms	1
sub-nav.component.html	GET	200	xhr	zone.js:1274	728 B	3 ms	1
left-nav-exercises.component.html	GET	200	xhr	zone.js:1274	335 B	3 ms	•
left-nav-main.component.html	GET	200	xhr	zone.js:1274	571 B	3 ms	1





Exercise







Name:

7minwork

7minwork

Name:

Enter workout name. Must be unique.

form-control ng-untouched ng-pristine ng-invalid

Name:

My New Workout

form-control ng-dirty ng-valid ng-touched

Name:

Enter workout name. Must be unique.

Name is required

My New Workout

The workout should have at least one exercise!

Workout Title

The workout should have at least one exercise!

Name: Enter workout name. Must be unique. Name is required Title: What would be the workout title? Title is required. Description: Enter workout description. Rest Time (in seconds):

Total Exercises: 0

Rest time is required

Total Duration:

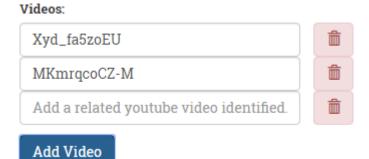
Save

Personal Trainer



Abdominal Crunches

crunches Title: Abdominal Crunches Description: The basic crunch is a abdominal exercise in a strength-training Exercise Image (Will be scaled to: 540 X 360 px): Exercise Steps: crunches.png Lie on your back with your knees bent and feet flat on the floor, hip-Videos: Exercise Audio: Xyd_fa5zoEU crunches.wav MKmrqcoCZ-M Add Video

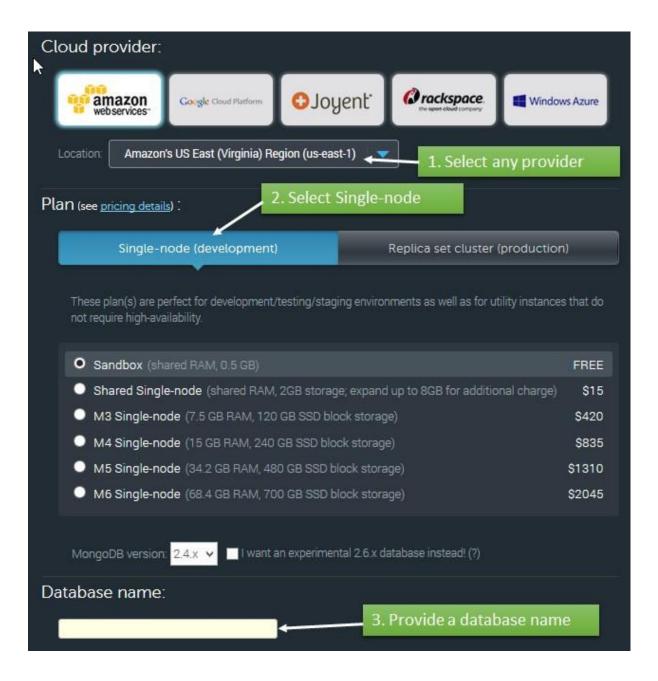


Name:

a workout

Name must be alphanumeric

Chapter 5: Supporting Server Data Persistence



NAME	DOCUMENTS	CAPPED?	SIZE (7)
exercises	12	false	19.30 KB
workouts		false	8.97 KB

7 Minute Workout ⑤ - 00:00:00 ■ - 12

```
Model

WorkoutPlan {
    "name": "7minworkout",
    "title": "7 Minute Workout",
    "description": "A high intensity ...",
    "restBetweenExercise": 10
    "exercises": [
        { Exercise, "duration": 30 },
        { Exercise, "duration": 30 },
        ...
        { Exercise "duration": 30 },
        ...
        { Exercise "duration": 30 },
        ...
        }

        Exercise {
            name = "jumpingJacks"
            title = "Jumping Jacks"
            ...
        }
}
```

Server data

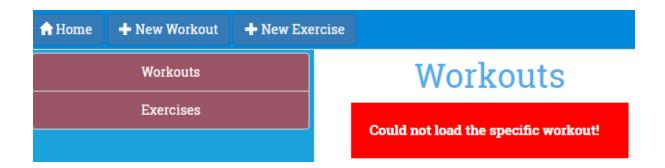
```
WorkoutPlan {
   "_id": "7minworkout",
   "name": "7minworkout",
   "title": "7 Minute Workout",
   "description": "A high intensity ...",
   "restBetweenExercise": 10
   "exercises": [
        {"name": "jumpingJacks", "duration": 30 },
        {"name": "wallSit", "duration": 30 },
        ...
        {"name": "pushUp", "duration": 30 }
]
```

7 Minute Workout

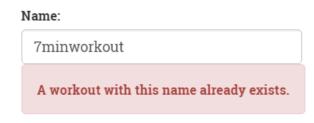


= - 12

Name	Method	Status
7minworkout?apiKey=9xf1 :1i Kna qzV9Z_8,vCzo5ksjexx	OPTIONS	200
7minworkout?apiKey= i + f i i i = + f c i i z i i i i i i i i i i i z i i i i	PUT	200
workouts?apiKey=9xf\\Wt\\Kingloz\\9Z_8\vCzo5ks\exx	GET	200



Chapter 6: Angular 2 Directives in Depth



Save

```
<ajax-button [execute]="save" [parameter]="f">
    <span class="glyphicon glyphicon-refresh"</pre>
          spin" data-animator></span</pre>
    <span data-content>Save</span>
                                                <button [attr.disabled]="busy" ...>
</ajax-button>
                                                  <span [hidden]="!busy">
Component Use
                                                  < ng-content select="[data-animator]">
                                Content injected
                                                    </ng-content>
                                                  </span>
                                                  <ng-content select="[data-content]">
                                                  </ng-content>
                                                </button>
               View Rendered
                                                                                 Component View
       <ajax-button>
         <button class="btn btn-primary">
             <span class="glyphicon glyphicon-refresh spin"</pre>
               data-animator="">
             </span>
           </span>
           <span data-content="">Save</span>
         </button>
       </ajax-button>
```



Elements



```
▼ <audio controls src="/static/audio/nextup.mp3">
 ▼#shadow-root (user-agent)
   ▼ <div pseudo="-webkit-media-controls">
    ▼ <div pseudo="-webkit-media-controls-overlay-enclosure">
      ▶ <input type="button" style="display: none;">...</input>
    ▼ <div pseudo="-webkit-media-controls-enclosure">
      ▼ <div pseudo="-webkit-media-controls-panel"
        \(\text{input type="button" pseudo="-webkit-media-controls-play-button">...</input>\)
       ▶ <input type="range" step="any" pseudo="-webkit-media-controls-timeline" max="0.972">...</input>
         <div pseudo="-webkit-media-controls-current-time-display" style>0:00</div>
         <div pseudo="-webkit-media-controls-time-remaining-display" style="display: none;">0:00</div>
        \rinput type="button" pseudo="-webkit-media-controls-mute-button">...</input>
       tinput type="button" style="display: none;">...</input>
        ><input type="button" pseudo="-webkit-media-controls-fullscreen-button" style="display: none;">...</input>
       </div>
      </div>
    </div>
 </audio>
```

```
▼<ajax-button _nghost-eaq-14>
```

▼ <button class="btn btn-primary">

Save

▶ ...

<style>button[_ngcontent-eaq-14] {
 background: green;

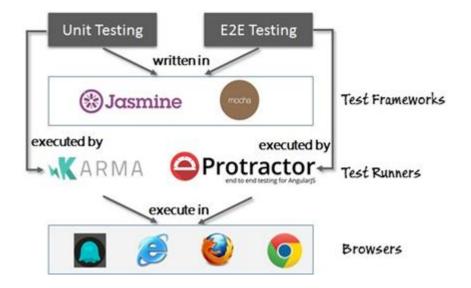
</button>
</ajax-button>

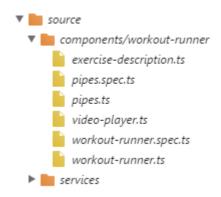
</style>

Name:

7MinWorkou

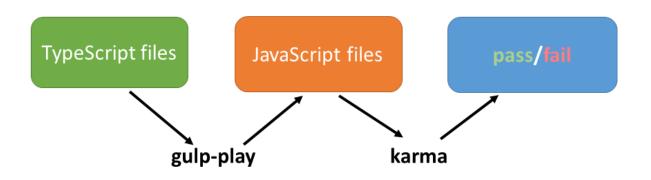
Chapter 7: Testing Personal Trainer

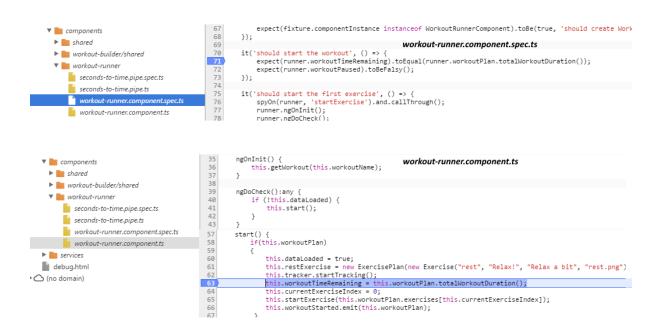




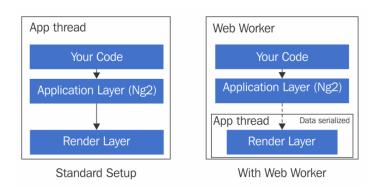
19 03 2016 14:28:47.012:INFO [karma]: Karma v0.13.22 server started at http://localhost:9876/
19 03 2016 14:28:47.031:INFO [launcher]: Starting browser Chrome
19 03 2016 14:28:49.617:INFO [Chrome 49.0.2623 (Windows 8 0.0.0)]: Connected on socket /#Awjpf2kJKARVOf9mAAAA with id 49661790
Chrome 49.0.2623 (Windows 8 0.0.0): Executed 1 of 1 SUCCESS (0.007 secs / 0.003 secs)

Chrome 49.0.2623 (Windows 8 0.0.0) SecondsToTime pipe should convert integer to time format FAILED Expected '00:00:05' to equal '00:00:06'.





Chapter 8: Some Practical Scenarios





```
function onClick() {
    this.doWork();
    setTimeout(() => {
        console.log('Hard');
        this.doWork();
    };
    onMicrotaskEmpty
200);
    this.doWork();
}
```

