Creating Reusable Angular Services

Jim Cooper
SOFTWARE CRAFTSMAN

@jimthecoop

Agenda

Why Services are Necessary

Dependency Injection

Creating Services
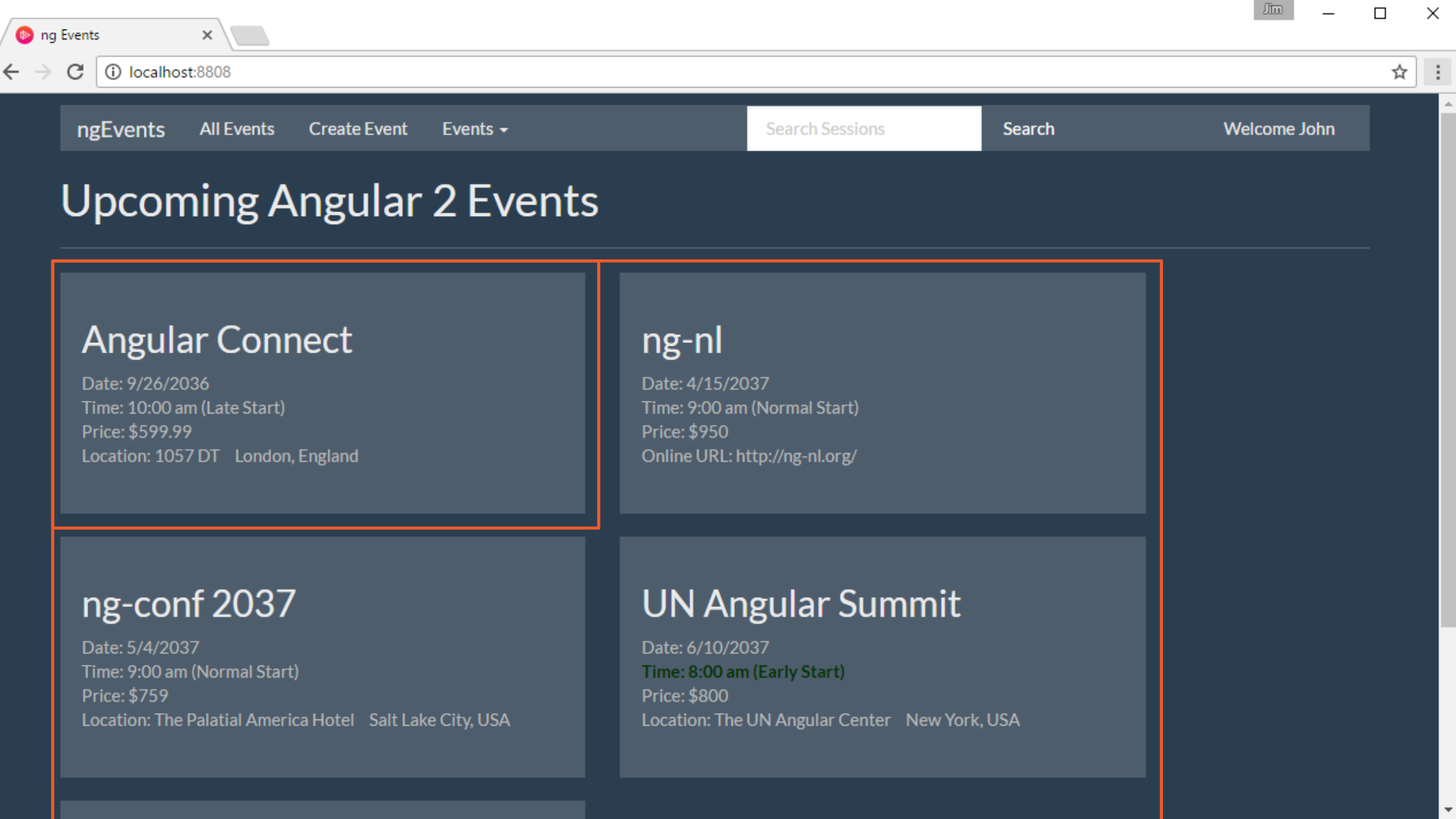
Wrapping 3rd-Party Libraries

Why are Services Necessary?

localhost:8808

ngEvents   All Events   Create Event   Events ▾

Search Sessions

Search

Welcome John

Upcoming Angular 2 Events

Angular Connect

Date: 9/26/2036
Time: 10:00 am (Late Start)
Price: $599.99
Location: 1057 DT   London, England

ng-nl

Date: 4/15/2037
Time: 9:00 am (Normal Start)
Price: $950
Online URL: http://ng-nl.org/

ng-conf 2037

Date: 5/4/2037
Time: 9:00 am (Normal Start)
Price: $759
Location: The Palatial America Hotel   Salt Lake City, USA

UN Angular Summit

Date: 6/10/2037
Time: 8:00 am (Early Start)
Price: $800
Location: The UN Angular Center   New York, USA

```
File   Edit   View   Go   Help
```

EXPLORER

◢ OPEN EDITORS
   event-thumbnail.component.ts app...
   events-list.component.ts app\events
◢ NG2-FUNDAMENTALS
   ◢ .vscode
      settings.json
   ◢ app
      ▷ assets
      ◢ events
         event-thumbnail.component.ts
         events-list.component.ts
      ▷ nav
      app.module.ts
      events-app.component.ts
      main.ts
   ▷ node_modules
   ▷ typings
   .gitignore
   favicon.ico
   index.html
   package.json
   readme.MD
   styles.css
   systemjs.config.js
   tsconfig.json
   typings.json

```
 3   @Component({
 4       selector: 'events-list',
 5       template: `
 6   <div>
 7       <h1>Upcoming Angular 2 Events</h1>
 8       <hr/>
 9       <div class="row">
10           <div *ngFor="let event of events" class="col-md-5">
11               <event-thumbnail [event]="event"></event-thumbnail>
12           </div>
13       </div>
14   </div>
15   `
16   })
17   export class EventsListComponent {
18   events = [
19       {
20           id: 1,
21           name: 'Angular Connect',
22           date: '9/26/2036',
23           time: '10:00 am',
24           price: 599.99
```

Dependency Injection

```
@Component({

...

})
class EventsListComponent {
  events
  let eventsService = new EventsService()
  events = eventsService.getEvents()
}
```

Dependency Injection

```
@Component({

…

})

class EventsListComponent {

  events

  constructor(private eventService:EventService) {

    events = eventService.getEvents()

  }

}
```

Dependency Injection