

Creating Reusable Services



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Agenda

Why Services are Necessary

Dependency Injection

Creating Services

Wrapping 3rd-Party Libraries

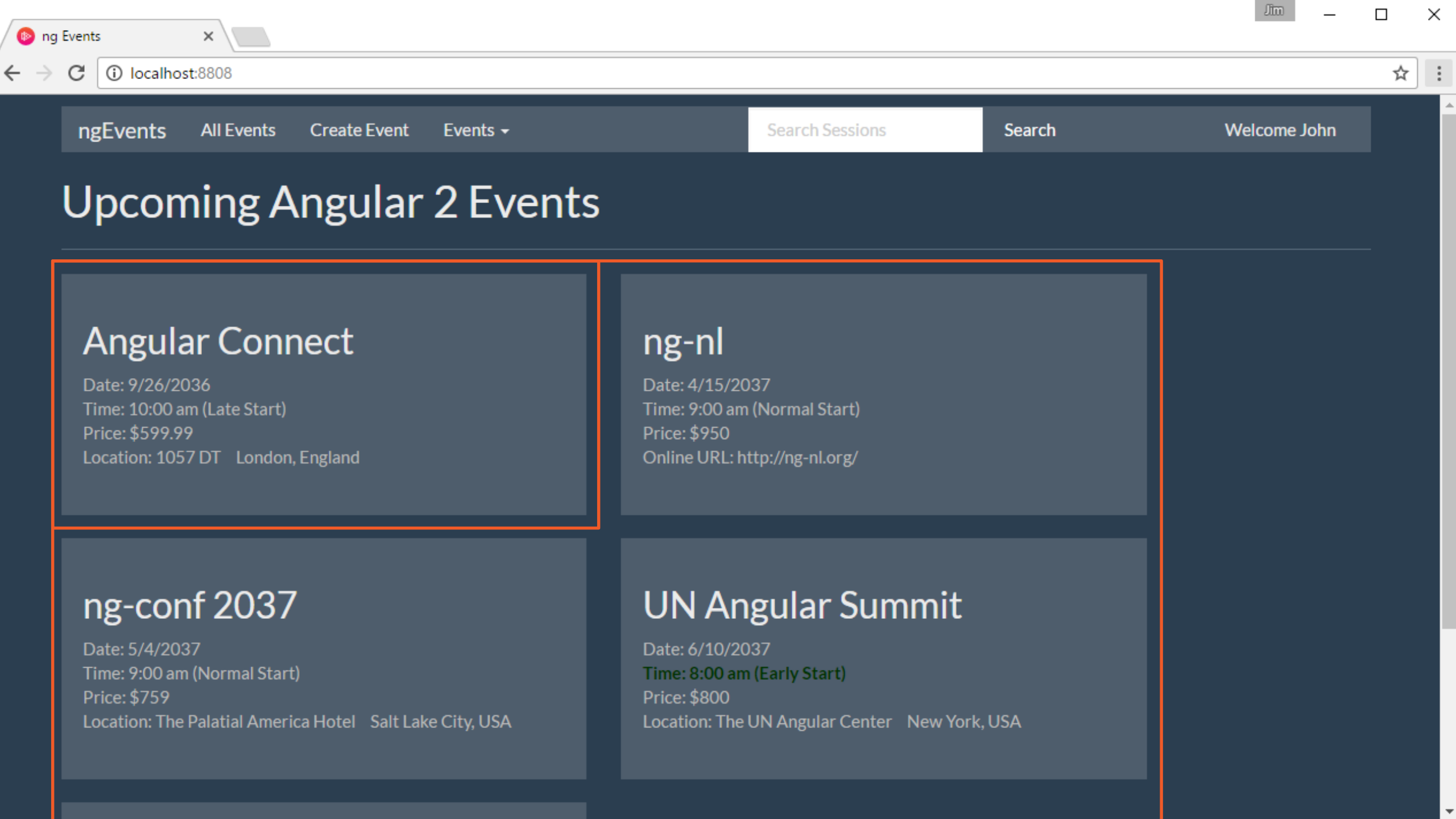


Why are Services Necessary?









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

EXPLORER

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



Summary



Why Services are Necessary

Dependency Injection

Creating Services

Wrapping 3rd-Party Libraries

