

# Welcome to the Johto Region

The Johto Region is a beautiful land filled with rich culture, history, and, of course, amazing Pokémons. It's home to some of the most talented trainers, exciting adventures, and legendary Pokémons that have captivated trainers from all over the world.

As a new trainer, you'll embark on a journey through vibrant cities and rugged terrain, each with its own unique charm. But, the most exciting part of your journey will be challenging the Gym Leaders, each with their own Pokémon specialties. Are you ready to collect all the Johto Gym Badges and prove your worth as the ultimate Pokémon Champion?

## Explore the Gym Leaders

Each Gym Leader is an expert in a specific type of Pokémon, and they are waiting for you to challenge them. From the Flying-type expert Falkner to the Dragon-type master Clair, these leaders will push you to your limits. With every Gym Leader you defeat, you'll grow as a trainer and gain valuable experience.

Falkner (Violet City)  
Bugsy (Azalea Town)  
Whitney (Goldenrod City)  
Morty (Ecruteak City)  
Chuck (Cianwood City)  
Jasmine (Olivine City)  
Pryce (Mahogany Town)  
Clair (Blackthorn City)

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Falkner (Violet City)  
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Jasmine (Olivine City)  
Pryce (Mahogany Town)  
Clair (Blackthorn City)

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## Your Journey Begins Now!

So, grab your Poké Balls, call your first Pokémon, and let's get started. The Johto Region awaits, full of thrilling challenges, hidden treasures, and unforgettable encounters.

Start by learning about the Gym Leaders who will test your skills along the way. The road to becoming a Pokémon Champion is long, but with determination, strategy, and a good team, you'll be ready for anything.

Pryce (Mahogany Town)  
Clair (Blackthorn City)

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**Falkner – Violet City****Specialty:** Flying**Gym Badge:** Zephyr Badge

The first Gym Leader of Johto, specializing in Flying-type Pokémon like Pidgey and Pidgeotto.



Falkner (Violet City)  
Bugsy (Azalea Town)  
Whitney (Goldenrod City)  
Morty (Ecruteak City)  
Chuck (Cianwood City)  
Jasmine (Olivine City)  
Pryce (Mahogany Town)  
Clair (Blackthorn City)

[BACK TO HOME](#)**Jasmine – Olivine City****Specialty:** Steel**Gym Badge:** Mineral Badge

The first Steel-type Gym Leader in Pokémon history. Famous for her Steelix.



Falkner (Violet City)  
Bugsy (Azalea Town)  
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Pryce (Mahogany Town)  
Clair (Blackthorn City)

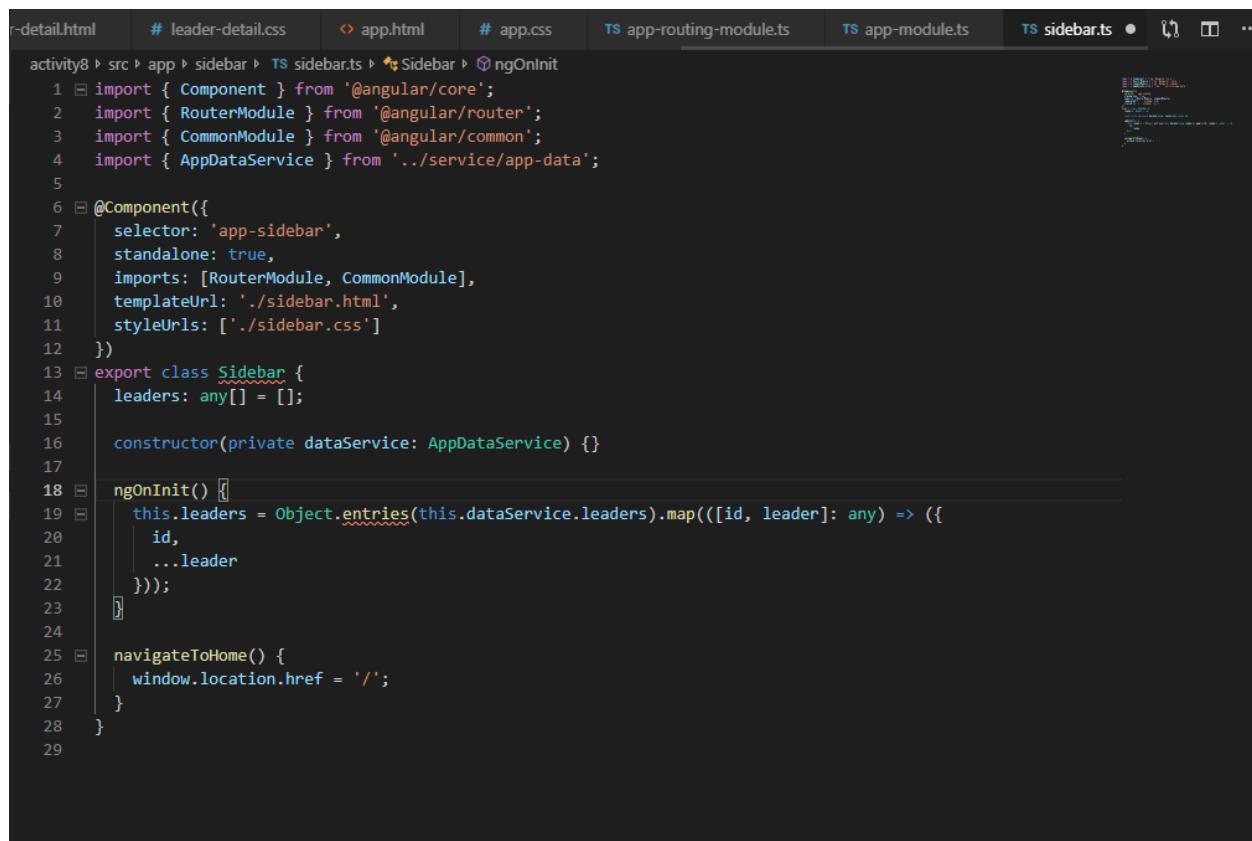
[BACK TO HOME](#)**Whitney – Goldenrod City****Specialty:** Normal**Gym Badge:** Plain Badge

Her Miltank's Rollout attack is feared by many trainers!

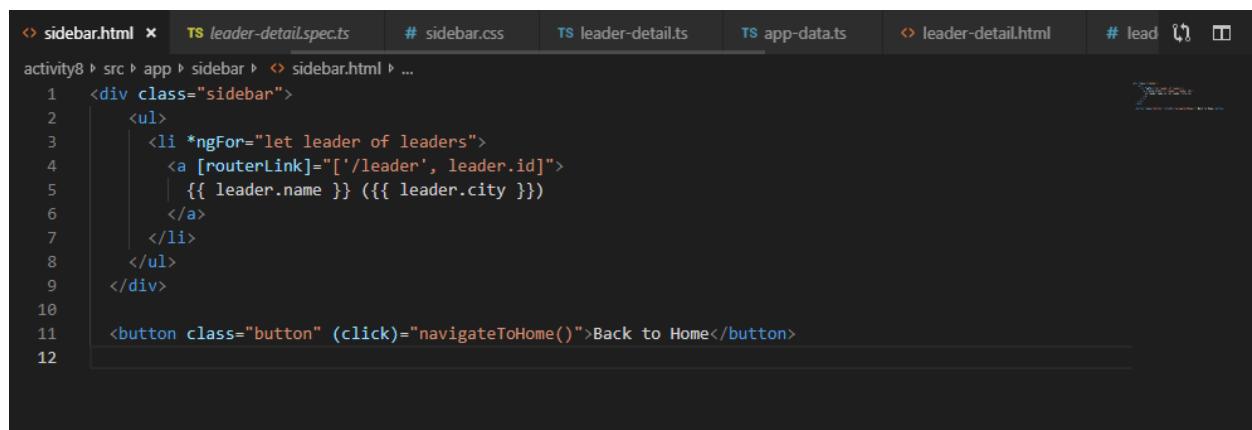


Falkner (Violet City)  
Bugsy (Azalea Town)  
Whitney (Goldenrod City)  
Morty (Ecruteak City)  
Chuck (Cianwood City)  
Jasmine (Olivine City)  
Pryce (Mahogany Town)  
Clair (Blackthorn City)

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```
activity8 > src > app > sidebar > Sidebar.ts > Sidebar > ngOnInit
1 import { Component } from '@angular/core';
2 import { RouterModule } from '@angular/router';
3 import { CommonModule } from '@angular/common';
4 import { AppDataService } from '../service/app-data';
5
6 @Component({
7   selector: 'app-sidebar',
8   standalone: true,
9   imports: [RouterModule, CommonModule],
10  templateUrl: './sidebar.html',
11  styleUrls: ['./sidebar.css']
12 })
13 export class Sidebar {
14   leaders: any[] = [];
15
16   constructor(private dataService: AppDataService) {}
17
18   ngOnInit() {
19     this.leaders = Object.entries(this.dataService.leaders).map(([id, leader]: any) => ({
20       id,
21       ...leader
22     }));
23   }
24
25   navigateToHome() {
26     window.location.href = '/';
27   }
28 }
29
```

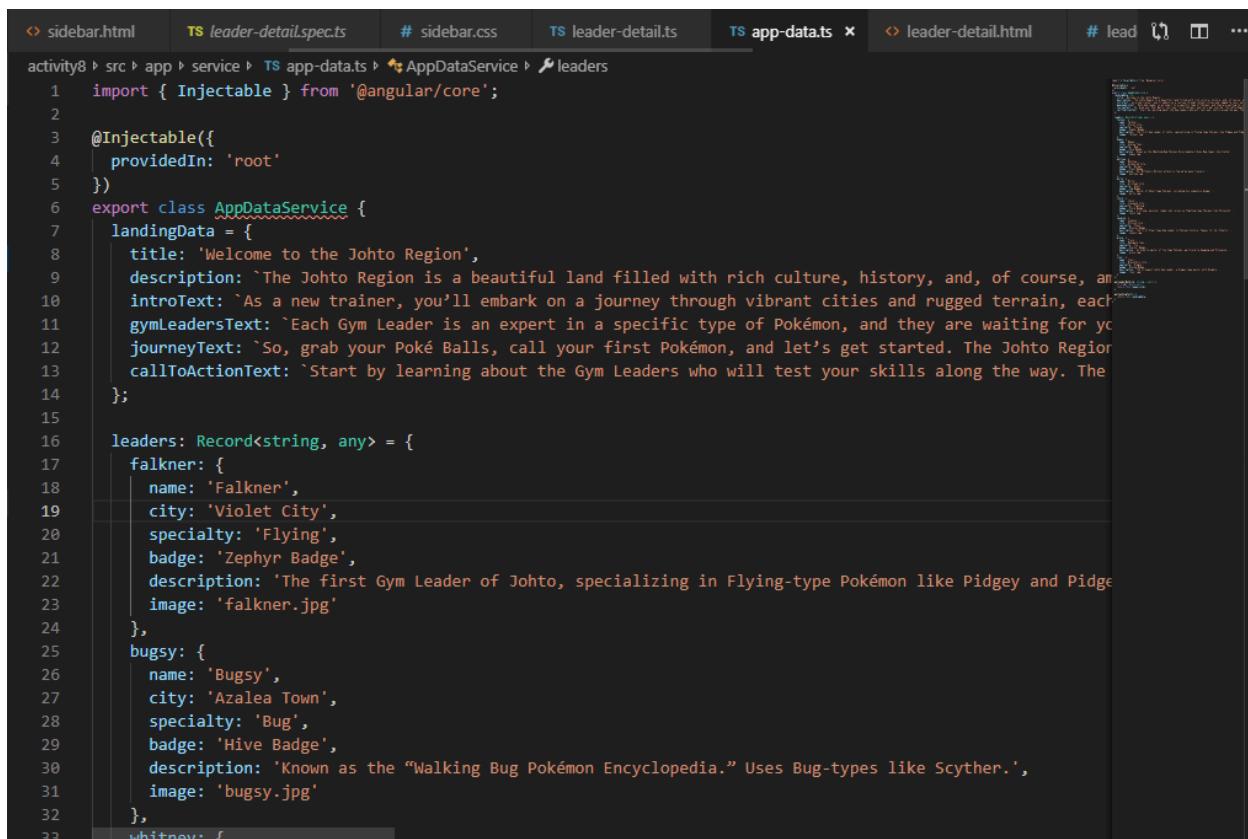


```
activity8 > src > app > sidebar > sidebar.html > ...
1 <div class="sidebar">
2   <ul>
3     <li *ngFor="let leader of leaders">
4       <a [routerLink]="/leader", leader.id>
5         {{ leader.name }} ({{ leader.city }})
6       </a>
7     </li>
8   </ul>
9 </div>
10
11 <button class="button" (click)="navigateToHome()">Back to Home</button>
```

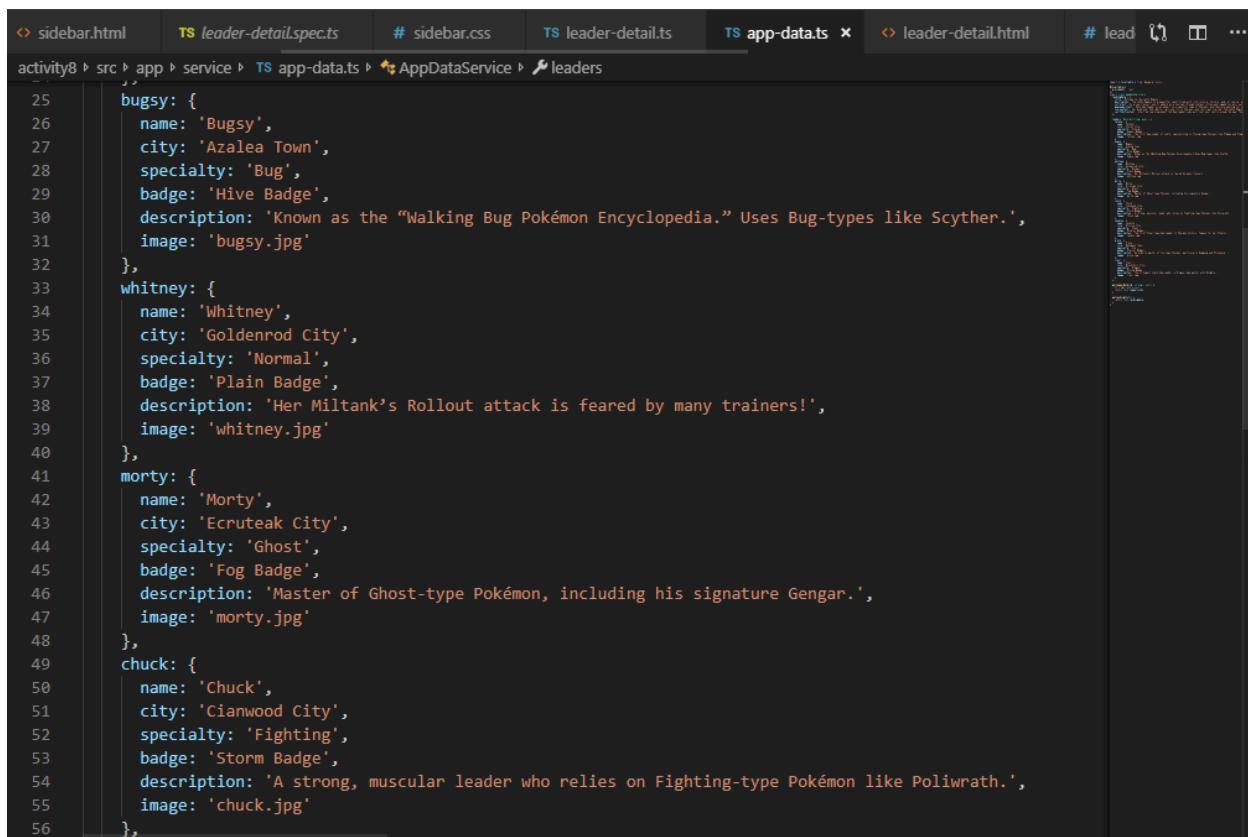
# APPDEV1 - Introduction to Application Development

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```
activity8 > src > app > service > TS app-data.ts > AppDataService > leaders
1 import { Injectable } from '@angular/core';
2
3 @Injectable({
4   providedIn: 'root'
5 })
6 export class AppDataService {
7   landingData = {
8     title: 'Welcome to the Johto Region',
9     description: `The Johto Region is a beautiful land filled with rich culture, history, and, of course, an
10    introText: `As a new trainer, you'll embark on a journey through vibrant cities and rugged terrain, each
11    gymLeadersText: `Each Gym Leader is an expert in a specific type of Pokémon, and they are waiting for yo
12    journeyText: `So, grab your Poké Balls, call your first Pokémon, and let's get started. The Johto Region
13    callToActionText: `Start by learning about the Gym Leaders who will test your skills along the way. The
14  };
15
16 leaders: Record<string, any> = {
17   falkner: {
18     name: 'Falkner',
19     city: 'Violet City',
20     specialty: 'Flying',
21     badge: 'Zephyr Badge',
22     description: 'The first Gym Leader of Johto, specializing in Flying-type Pokémon like Pidgey and Pidge
23     image: 'falkner.jpg'
24   },
25   bugsy: {
26     name: 'Bugsy',
27     city: 'Azalea Town',
28     specialty: 'Bug',
29     badge: 'Hive Badge',
30     description: 'Known as the "Walking Bug Pokémon Encyclopedia." Uses Bug-types like Scyther.',
31     image: 'bugsy.jpg'
32   },
33   whitney: {
34     name: 'Whitney',
35     city: 'Goldenrod City',
36     specialty: 'Normal',
37     badge: 'Plain Badge',
38     description: 'Her Miltank's Rollout attack is feared by many trainers!',
39     image: 'whitney.jpg'
40   },
41   morty: {
42     name: 'Morty',
43     city: 'Ecruteak City',
44     specialty: 'Ghost',
45     badge: 'Fog Badge',
46     description: 'Master of Ghost-type Pokémon, including his signature Gengar.',
47     image: 'morty.jpg'
48   },
49   chuck: {
50     name: 'Chuck',
51     city: 'Cianwood City',
52     specialty: 'Fighting',
53     badge: 'Storm Badge',
54     description: 'A strong, muscular leader who relies on Fighting-type Pokémon like Poliwrath.',
55     image: 'chuck.jpg'
56   },
57 }
```

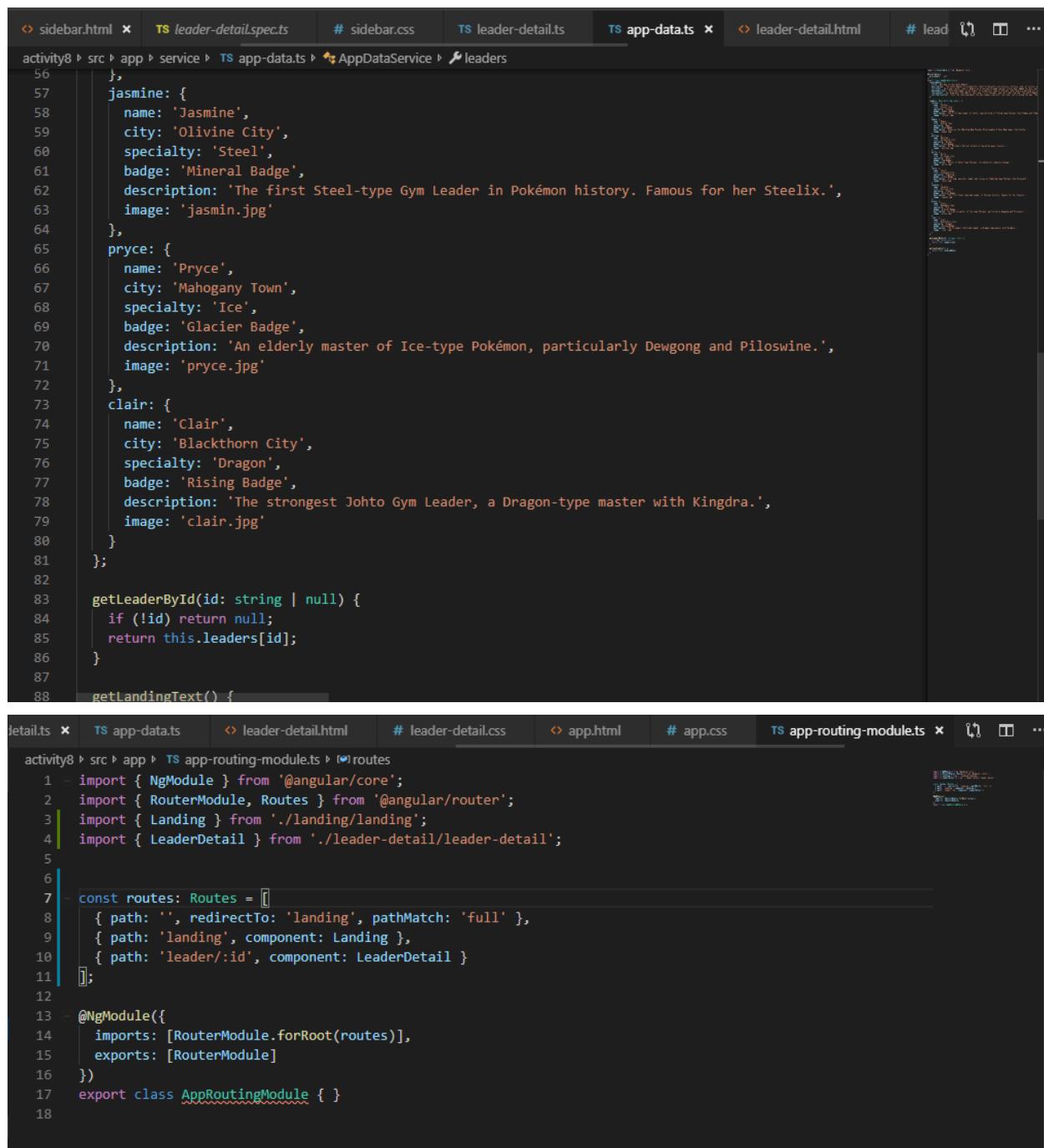


```
activity8 > src > app > service > TS app-data.ts > AppDataService > leaders
25 bugsy: {
26   name: 'Bugsy',
27   city: 'Azalea Town',
28   specialty: 'Bug',
29   badge: 'Hive Badge',
30   description: 'Known as the "Walking Bug Pokémon Encyclopedia." Uses Bug-types like Scyther.',
31   image: 'bugsy.jpg'
32 },
33 whitney: {
34   name: 'Whitney',
35   city: 'Goldenrod City',
36   specialty: 'Normal',
37   badge: 'Plain Badge',
38   description: 'Her Miltank's Rollout attack is feared by many trainers!',
39   image: 'whitney.jpg'
40 },
41 morty: {
42   name: 'Morty',
43   city: 'Ecruteak City',
44   specialty: 'Ghost',
45   badge: 'Fog Badge',
46   description: 'Master of Ghost-type Pokémon, including his signature Gengar.',
47   image: 'morty.jpg'
48 },
49 chuck: {
50   name: 'Chuck',
51   city: 'Cianwood City',
52   specialty: 'Fighting',
53   badge: 'Storm Badge',
54   description: 'A strong, muscular leader who relies on Fighting-type Pokémon like Poliwrath.',
55   image: 'chuck.jpg'
56 },
```

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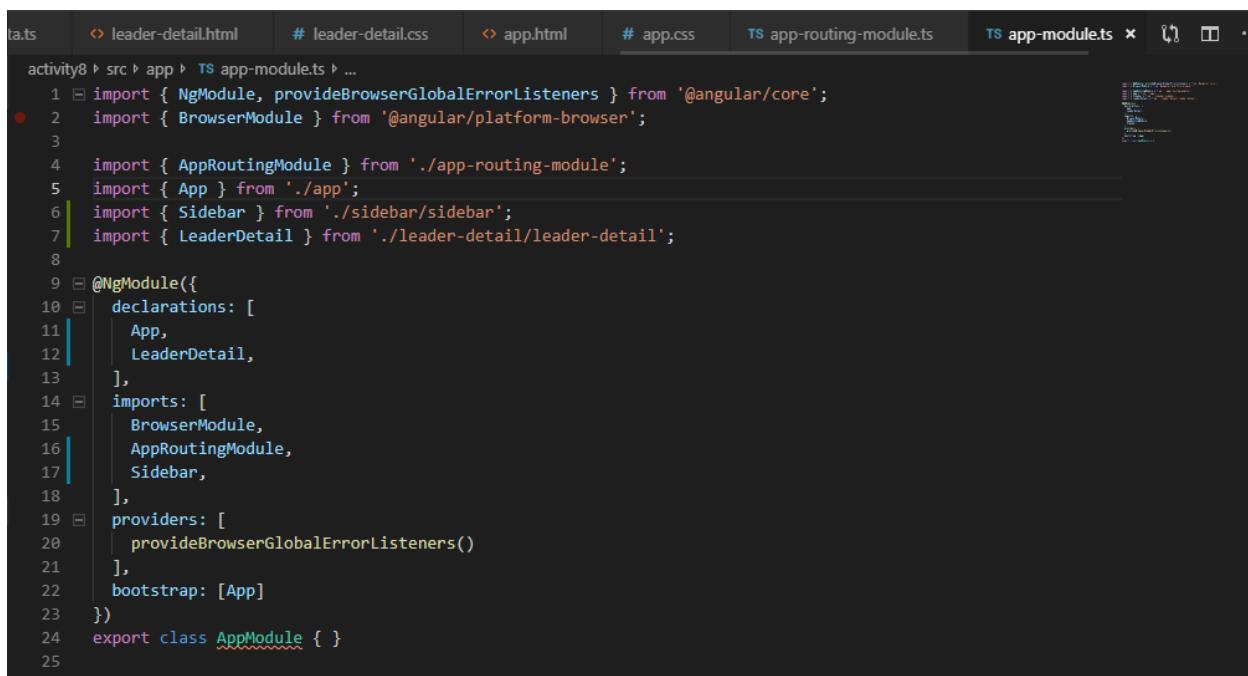
```
activity8 ▶ src ▶ app ▶ service ▶ TS app-data.ts ▶ AppDataService ▶ leaders
56 },
57 jasmine: {
58   name: 'Jasmine',
59   city: 'Olivine City',
60   specialty: 'Steel',
61   badge: 'Mineral Badge',
62   description: 'The first Steel-type Gym Leader in Pok  mon history. Famous for her Steelix.',
63   image: 'jasmin.jpg'
64 },
65 pryce: {
66   name: 'Pryce',
67   city: 'Mahogany Town',
68   specialty: 'Ice',
69   badge: 'Glacier Badge',
70   description: 'An elderly master of Ice-type Pok  mon, particularly Dewgong and Piloswine.',
71   image: 'pryce.jpg'
72 },
73 clair: {
74   name: 'Clair',
75   city: 'Blackthorn City',
76   specialty: 'Dragon',
77   badge: 'Rising Badge',
78   description: 'The strongest Johto Gym Leader, a Dragon-type master with Kingdra.',
79   image: 'clair.jpg'
80 }
81 };
82
83 getLeaderById(id: string | null) {
84   if (!id) return null;
85   return this.leaders[id];
86 }
87
88 getLandingText() {
```

```
detail.ts ▶ TS app-data.ts ▶ leader-detail.html ▶ # leader-detail.css ▶ app.html ▶ # app.css ▶ TS app-routing-module.ts ▶
1 - import { NgModule } from '@angular/core';
2 import { RouterModule, Routes } from '@angular/router';
3 import { Landing } from './landing/landing';
4 import { LeaderDetail } from './leader-detail/leader-detail';
5
6
7 - const routes: Routes = [
8   { path: '', redirectTo: 'landing', pathMatch: 'full' },
9   { path: 'landing', component: Landing },
10  { path: 'leader/:id', component: LeaderDetail }
11 ];
12
13 - @NgModule({
14   imports: [RouterModule.forRoot(routes)],
15   exports: [RouterModule]
16 })
17 export class AppRoutingModule { }
```

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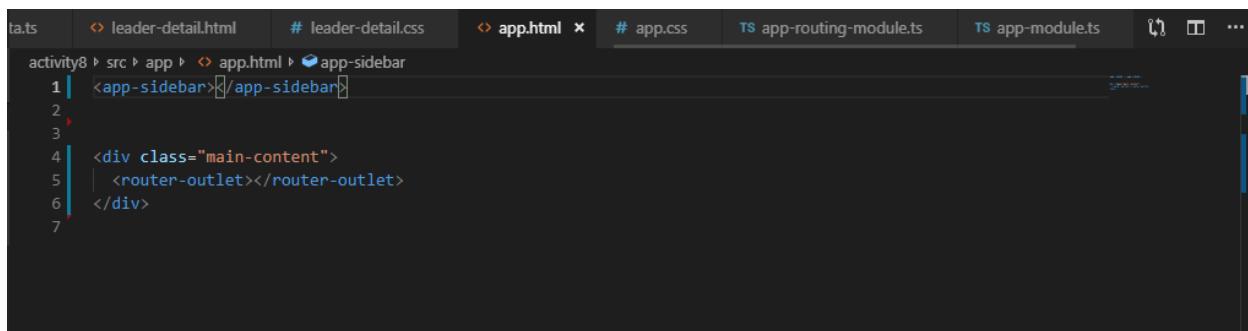
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A screenshot of a code editor showing the file `app.module.ts`. The code defines an Angular module named `AppModule` with the following configuration:

```
activity8 > src > app > TS app-module.ts > ...
1 import { NgModule, provideBrowserGlobalErrorListeners } from '@angular/core';
2 import { BrowserModule } from '@angular/platform-browser';
3
4 import { AppRoutingModule } from './app-routing-module';
5 import { App } from './app';
6 import { Sidebar } from './sidebar/sidebar';
7 import { LeaderDetail } from './leader-detail/leader-detail';
8
9 @NgModule({
10   declarations: [
11     App,
12     LeaderDetail,
13   ],
14   imports: [
15     BrowserModule,
16     AppRoutingModule,
17     Sidebar,
18   ],
19   providers: [
20     provideBrowserGlobalErrorListeners()
21   ],
22   bootstrap: [App]
23 })
24 export class AppModule { }
```



A screenshot of a code editor showing the file `app.html`. The template contains a single component named `app-sidebar`:

```
activity8 > src > app > app.html > ↗ app-sidebar
1 <app-sidebar></app-sidebar>
2
3
4 <div class="main-content">
5   <router-outlet></router-outlet>
6 </div>
7
```

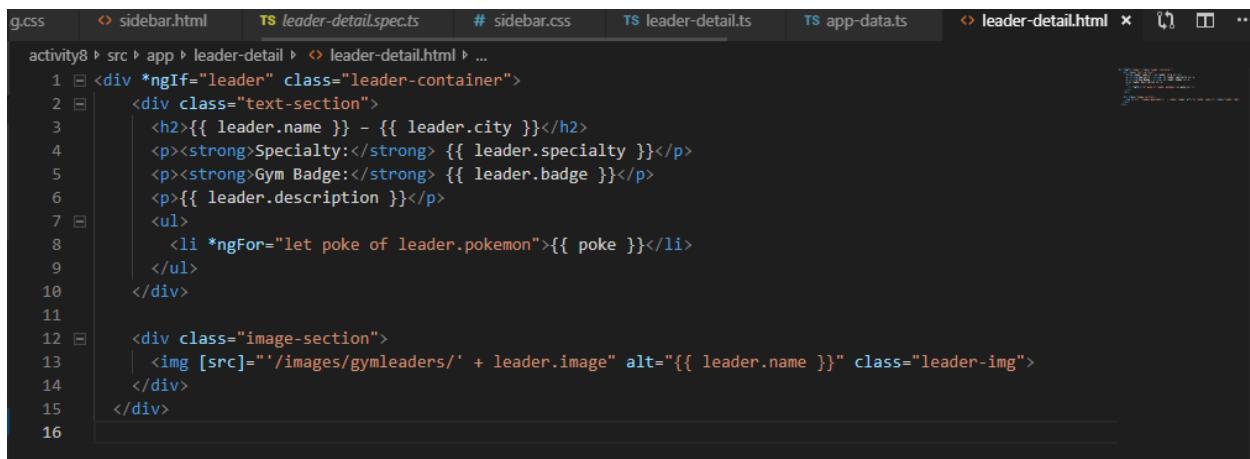
```
ts landing.ts x landing.html # landing.css sidebar.html ts leader-detail.spec.ts # sidebar.css ts leader-detail.ts ⚡ ...  
activity8 > src > app > landing > landing.ts > Landing > journeyText  
1 import { Component } from '@angular/core';  
2 import { AppDataService } from '../service/app-data';  
3  
4 @Component({  
5   selector: 'app-landing',  
6   standalone: true,  
7   templateUrl: './landing.html',  
8   styleUrls: ['./landing.css']  
9 })  
10 export class Landing {  
11   title = '';  
12   description = '';  
13   introText = '';  
14   gymLeadersText = '';  
15   journeyText = '';  
16   callToActionText = '';  
17  
18   constructor(private appData: AppDataService) {}  
19  
20   ngOnInit() {  
21     const landing = this.appData.getLandingText();  
22     this.title = landing.title;  
23     this.description = landing.description;  
24     this.introText = landing.introText;  
25     this.gymLeadersText = landing.gymLeadersText;  
26     this.journeyText = landing.journeyText;  
27     this.callToActionText = landing.callToActionText;  
28   }  
29 }  
30
```

```
ts landing.ts x landing.html # landing.css sidebar.html ts leader-detail.spec.ts # sidebar.css ts leader-detail.ts ⚡ ...  
activity8 > src > app > landing > landing.html > div.landing  
1 <div class="landing">  
2   <h1>{{ title }}</h1>  
3   <p>{{ description }}</p>  
4  
5   <p>{{ introText }}</p>  
6  
7   <h2>Explore the Gym Leaders</h2>  
8   <p>{{ gymLeadersText }}</p>  
9  
10    
11  
12  <h2>Your Journey Begins Now!</h2>  
13  <p>{{ journeyText }}</p>  
14  
15  <p>{{ callToActionText }}</p>  
16  
17 </div>  
18
```

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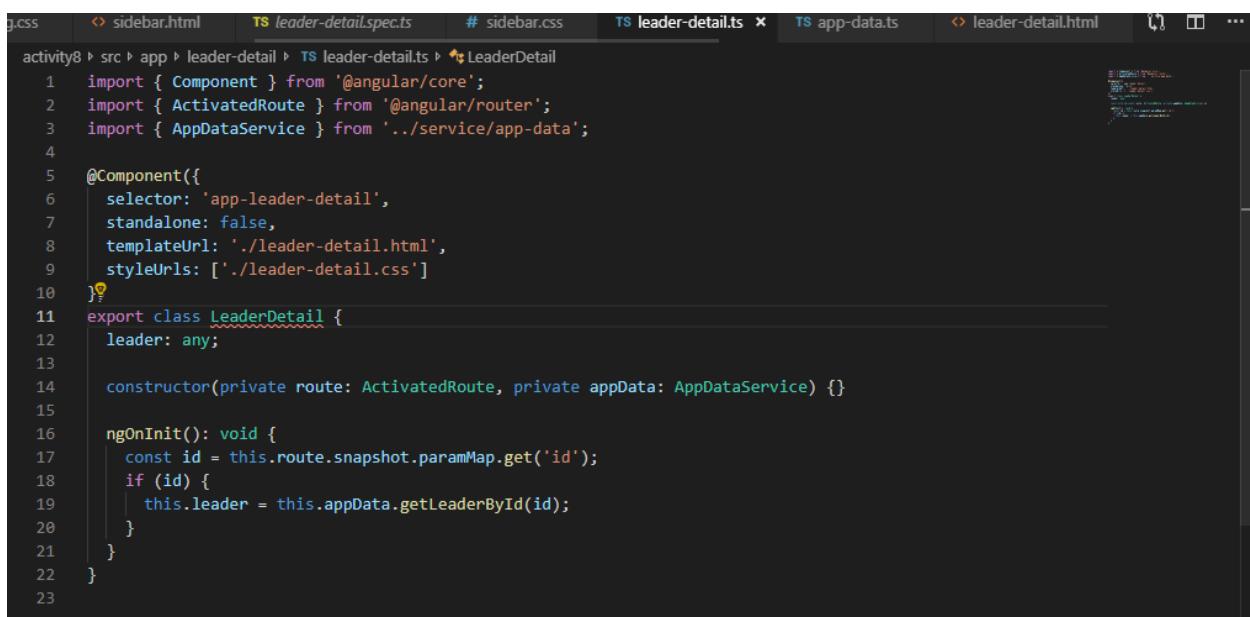
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A screenshot of a code editor showing a component template. The file is named 'leader-detail.html'. The code uses Angular syntax, including \*ngIf and \*ngFor directives. It displays a leader's name, specialty, badge, and a list of their pokémon. A preview window on the right shows the rendered HTML.

```
g.css sidebar.html TS leader-detail.spec.ts # sidebar.css TS leader-detail.ts TS app-data.ts leader-detail.html
```

```
activity8 src app leader-detail leader-detail.html ...
1 <div *ngIf="leader" class="leader-container">
2   <div class="text-section">
3     <h2>{{ leader.name }} - {{ leader.city }}</h2>
4     <p><strong>Specialty:</strong> {{ leader.specialty }}</p>
5     <p><strong>Gym Badge:</strong> {{ leader.badge }}</p>
6     <p>{{ leader.description }}</p>
7     <ul>
8       <li *ngFor="let poke of leader.pokemon">{{ poke }}</li>
9     </ul>
10   </div>
11
12   <div class="image-section">
13     <img [src]="'/images/gymleaders/' + leader.image" alt="{{ leader.name }}" class="leader-img">
14   </div>
15 </div>
```



A screenshot of a code editor showing a component class definition. The file is named 'leader-detail.ts'. It defines a component named 'LeaderDetail' with a selector of 'app-leader-detail'. It injects 'ActivatedRoute' and 'AppDataService' and has a constructor that takes them. It also has an 'ngOnInit' method that retrieves a leader by ID from the service. A preview window on the right shows the rendered component.

```
g.css sidebar.html TS leader-detail.spec.ts # sidebar.css TS leader-detail.ts ✘ TS app-data.ts leader-detail.html
```

```
activity8 src app leader-detail TS leader-detail.ts LeaderDetail
1 import { Component } from '@angular/core';
2 import { ActivatedRoute } from '@angular/router';
3 import { AppDataService } from '../service/app-data';
4
5 @Component({
6   selector: 'app-leader-detail',
7   standalone: false,
8   templateUrl: './leader-detail.html',
9   styleUrls: ['./leader-detail.css']
10 })
11 export class LeaderDetail {
12   leader: any;
13
14   constructor(private route: ActivatedRoute, private appData: AppDataService) {}
15
16   ngOnInit(): void {
17     const id = this.route.snapshot.paramMap.get('id');
18     if (id) {
19       this.leader = this.appData.getLeaderById(id);
20     }
21   }
22 }
```