

Adding Offline Capabilities with Service Workers

Adding Service Workers

- What are **Service Workers**?
 - JavaScript is **single-threaded**, and this thread is attached to **individual HTML pages**
 - JavaScript on the browser lets us run an additional **Service Worker** thread
 - **Decoupled** from HTML pages, meaning it can run in the background
 - This thread manages **all pages** of a given **scope**
- We must add the **@angular/pwa** package
- In **AppModule**, add **ServiceWorkerModule** to the **imports** array
 - From here, use the **register** method, passing **'/ngsw-worker.js'** and **{ enabled: environment.production }** as arguments
- Upon calling the **ng build --prod** command, we get **dist/ngsw-worker.js**
- We need to use a light-weight server, such as **http-server**, to properly test this

Caching Assets for Offline Use

- Within **ngsw-config.json**, the **assetGroups** array contains configurations detailing **which static assets** should be **cached** and **how** they should be **cached**
- The **installMode** field determines if we want to **eager/lazy loading** of data
- Blah, blah, blah

Caching Dynamic Assets and URLs

- You know what? I don't really care about this. I can't even test it properly due to major Angular differences