Angular Installation + Setup

The Angular portion of this project was generated using the Angular CLI (<https://angular.io/cli>). To compile this project, you must have it installed. By running the command **ng new,** you can create a new Angular project, and then replace the generated files with the ones that have been provided. The following files have not been given:

* /dist - output of compiled Angular code. The contents of this directory are what is placed on the server
* package.json - generated with ng new
* package-lock.json - generated with ng new
* /node\_modules - holds all npm modules

Dependencies

Below is a list of dependencies that should be installed and appear in your package.json file. Many of these will be automatically created with ng generate, but you will need to install the following separately:

* Bootstrap (npm i bootstrap)
* bootstrap-icons (npm i bootstrap-icons)
* @angular/service-worker (npm i @angular/service-worker)
* @angular/cdk (npm i @angular/cdk)
* @angular/material (npm i @angular/material)

"dependencies": {

    "@angular/animations": "^15.2.0",

    "@angular/cdk": "^15.2.0",

    "@angular/common": "^15.2.0",

    "@angular/compiler": "^15.2.0",

    "@angular/core": "^15.2.0",

    "@angular/forms": "^15.2.0",

    "@angular/material": "^15.2.0",

    "@angular/platform-browser": "^15.2.0",

    "@angular/platform-browser-dynamic": "^15.2.0",

    "@angular/router": "^15.2.0",

    "@angular/service-worker": "^15.2.0",

    "bootstrap": "^5.3.0-alpha1",

    "bootstrap-icons": "^1.10.3",

    "rxjs": "~7.8.0",

    "tslib": "^2.3.0",

    "zone.js": "~0.12.0"

  },

  "devDependencies": {

    "@angular-devkit/build-angular": "^15.2.0",

    "@angular/cli": "~15.2.0",

    "@angular/compiler-cli": "^15.2.0",

    "@types/jasmine": "~4.3.0",

    "jasmine-core": "~4.5.0",

    "karma": "~6.4.0",

    "karma-chrome-launcher": "~3.1.0",

    "karma-coverage": "~2.2.0",

    "karma-jasmine": "~5.1.0",

    "karma-jasmine-html-reporter": "~2.0.0",

    "typescript": "~4.9.4"

  }

SASS Compiler

To make changes to bootstrap, you will need to use a SASS compiler. The compiler that was used for this project was the Live Sass Compiler VSCode extension by Glenn Marks (<https://marketplace.visualstudio.com/items?itemName=glenn2223.live-sass>). With this extension enabled and active, any changes made in the custom.scss file will be compiled into the custom.css file.

Environment Variables

The following environment variables must be provided:

* API\_URL – the base url of the api
* VAPID\_PUBLIC – the public key generated using web-push (see api read me file)

Testing/Compiling

To run the client without notification support (service worker disabled), use the command **npm start**. This will run the application locally, and any changes made in the code will be immediately reflected in the browser. To run with notifications, use the command **ng build --configuration production**. This will compile the code and place it in the dist folder. The contents of this folder can then be hosted locally or sent to the server.