How to build your first Angular 🅰 project?

Introduction

Angular is a popular front-end web development framework used for building single-page applications. In this lab, we will go through the steps of building your first Angular project.

Prerequisites

Before we start building our Angular project, we need to make sure we have the following tools installed:

- Node.js and npm: You can download and install them from the official website: https://nodejs.org/en/

- Angular CLI: You can install it by running the following command in your terminal:

```
npm install -g @angular/cli
```

Creating the Project

Once we have the required tools installed, we can create our Angular project. Follow the steps below:

1. Open your terminal and navigate to the directory where you want to create your project.

2. Run the following command to create a new Angular project:

```
ng new my-first-angular-project
```

3. The Angular CLI will prompt you to answer a few questions to configure your project. You can choose the default options by pressing Enter for each question.

4. Once the project is created, navigate to the project directory by running the following command:

```
cd my-first-angular-project
```

Running the Project

Now that we have created our Angular project, we can run it to see it in action. Follow the steps below:

1. Run the following command in your terminal to start the development server:

```
ng serve
```

2. Open your web browser and navigate to http://localhost:4200. You should see the default Angular app running.

Modifying the App

Let's modify our app to display a message. Follow the steps below:

1. Open the project in your favorite code editor. We recommend using Visual Studio Code.

2. Open the file `src/app/app.component.html` and replace its contents with the following code:

   ```
   <h1>Welcome to my first Angular project!</h1>
   ```

3. Save the file.

4. Open your web browser and navigate to http://localhost:4200. You should see the updated message displayed.

Conclusion

Congratulations! You have built your first Angular project. In this manual, you learned how to create an Angular project, run it, and modify its contents. Keep exploring Angular and its features to build more advanced web applications.