**Youssef Darwich**

**Tutorial**

**Utilities:**

The project uses ionic 6.18.1 for frontend with the Router, Storage, and HttpClient modules installed.

The project uses PHP 7.3.21 for the backend connected to a MySQL database using mysqli(). The backend was run and tested on a WAMP localhost server.

**Navigation:**

The app folder contains all the **pages** used in the application: add-task, home, login, signup, and task-info. Inside the app folder, there is a **components** folder that contains any components used throughout the project: card-component and popover. The folder also contains the **services** that are used to communicate with the backend. The **icons** used in the application are placed in the assets folder.

**Running the application:**

For the frontend, open the command prompt and navigate to the project folder that contains the “src” folder. Run the command **“ionic lab”** in order to start the application on IOS and Android devices. The frontend was designed and tested in the ionic lab and might not look the same on a web browser. When the application starts, the login page will be displayed for signing in. To create a new account, press on the sign-up button and enter your credentials. Afterwards, you will be able to sign in and test the functionalities of the application

For the backend, the APIs must be placed in a folder accessible to the localhost. The application runs on <http://localhost:80/MobileProjectAPIs/>. A database dump is provided with the SQL code for the table definitions. The “connection.php” file in the APIs contains the information about opening up the database in WAMP such as server, username, password, and database name.