

A. Build

1. **Docker setup.** In order to be build the application, *docker* and *docker-compose* to be installed on the running machine. If docker and docker-compose are not installed on the machine, fallow the detailed steps of the installation instructions bellow, to setup the build environment:
 - <https://docs.docker.com/engine/install/>
 - <https://docs.docker.com/compose/install/>
2. **Configuration.** By default the project is setup to listen on port 8081 for the web server and 5433 for the database. Make sure that this ports are not in use. If they are not free the default settings can be changed by editing the hidden file *.env* located in the root directory of the project (Where *docker-compose.yml* is located). Open *.env* file for editing and change:
 - the value assigned to the POSTGRESDB_LOCAL_PORT for the database server's port
 - he value assigned to the SPRING_LOCAL_PORT for the web server's port
3. **Build Command.** Open the system console (terminal):
 - navigate to the root directory of the project (Where *docker-compose.yml* is located) by typing the command:
 - *cd FULL_PATHE_OF_THE_DIRECTORY*
 - to start the application type the command and wait the process to finish:
 - *docker compose up*

B. Run

1. **Open the application.** After the build the web server will be started. After the build the web server will be started. Start the web browser and go to:
 - **`http://localhost:{{PORT}}/index.html`** Where **`{{PORT}}`** is the value assigned to the SPRING_LOCAL_PORT