

## 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
  - the 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**