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*