Washing Machine Application

Installation guide

Introduction

This guide describes the process of installation of the Washing Machine Application.

Version: 0.1

Release date: Dec. 15, 2021

Preconditions

The following preconditions must be met to successfully install the application:

* Server:
  + Docker
  + Gradle
  + Java 15+
* Client:
  + Python3

Deployment overview

Graphical user interface, application

Description automatically generated

The web application will run on the server, where the application makes request to get information. The server hosts the database where all the data is stored and can run in all environments and be available for any of the standard web browsers (some issues in firefox on a unix platform may accrue).

The server uses a postgres database which is already connect and located in the docker environment and is automatically generated when turned on.

Database access

Information may be added directly to the database itself by the server the server through the sql file:

1. Accessing file – [washing-machine-project](https://gitlab.fit.cvut.cz/yehudnoa/washing-machine-project/tree/master)\[Second Iteration](https://gitlab.fit.cvut.cz/yehudnoa/washing-machine-project/tree/master/Second%20Iteration)\[Washing\_machine](https://gitlab.fit.cvut.cz/yehudnoa/washing-machine-project/tree/master/Second%20Iteration/Washing_machine)\[server](https://gitlab.fit.cvut.cz/yehudnoa/washing-machine-project/tree/master/Second%20Iteration/Washing_machine/server)\[sqls](https://gitlab.fit.cvut.cz/yehudnoa/washing-machine-project/tree/master/Second%20Iteration/Washing_machine/server/sqls)\data.sql
2. Inserting data into that file (current examples are in the file)

How to Install

This section describes the steps to install the system in the prepared environment.

1. Copy the whole **Washing\_machine** folder from **washing-machine-project/Second Iteration** onto your machine.
2. Run the server:
   1. Through IDE:
      1. In the terminal go to the **server** directory.
      2. Run command - sudo docker volume create --name=postgres\_wm\_data
      3. Run command - sudo docker-compose up
      4. Run server though IDE
   2. Through terminal:
      1. In the terminal go to the **server** directory.
      2. Run command - sudo docker volume create --name=postgres\_wm\_data
      3. Run command - sudo docker-compose up
      4. Run command - gradle wrapper
      5. Run command - ./gradlew build
      6. Run command - ./gradlew bootRun
3. Copy the whole **frontend** folder from **washing-machine-project/Second Iteration Client** onto your machine.
4. Run client:
   1. In the terminal go to the frontend directory
   2. Run command - python3 -m http.server