RentWise

**CSI2132 B**

**Faculty of Engineering**

**University of Ottawa**

**Winter 2020**

**Group 22**

**Cory Maklin  7767320**

**Xiuzhu Li 8571645**

**February 14th 2020**

a) The DBMS and the programming languages that you have used in your implementation of the application.

We used Postgresql for the database management system. Rather than installing it on the host machine, we used a Docker image. Our front-end was built using Facebook’s Javascript framework React. The back-end was written using the Node.js Express framework. The backend exposed a REST API to enable users to retrieve/insert data from/in the Postgresql database.

b) A list with the DDLs used to create your database

c) Specific steps to guide someone to install your applications.

To install the application, you need the following dependencies:

* Node.js
* Docker
* Yarn
* Postgresql

Navigate to the root of the project and run the following command to bring up a Docker container with Postgresql database.

**docker-compose up -d**

Run the following command to populate the database.

**psql -d airbnb -h localhost -U postgres -a -f airbnb.sql**

When prompted, enter the password “**postgres**”.

Change to the **back-end** directory and run the following commands to install all the dependencies and start the back-end application.

**yarn install**

**node app.js**

In another terminal window, navigate to the front-end directory and run the following commands to install all the dependencies and start front-end application.

**yarn install**

**yarn start**

A window with a URL of <http://localhost:3000/> should automatically open.