Haircut Delivery Reservation Website

Technical Document

1. Dependencies

Before being able to run the client and server, you need to have the following dependencies installed:

1. Node Js (v12.12.0):

Node Js (v12.12.0) can be downloaded from the following link:

https://nodejs.org/download/release/v12.12.0/node-v12.12.0-x64.msi

This link will download a Microsoft installer file, which you can then run to install Node Js. Go ahead and run the installer with the default configurations, and after successfully installing Node Js restart your computer so the environmental variables update.

2. MongoDB:

MongoDB can be downloaded from the following link:

https://fastdl.mongodb.org/win32/mongodb-win32-x86_64-2012plus-4.2.6-signed.msi

This link will download a Microsoft installer file, which you can then run to install MongoDB. Go ahead and run the installer with the default configurations. After installation, to ensure the Mongo database is running, navigate to your default installation folder (should be C:\Program Files\MongoDB\) and follow this path: \Server\%VERSION%\bin. During development, version 4.2 was used and therefore the

appropriate path is "C:\Program Files\MongoDB\Server\4.2\bin". Now go ahead and execute the

mongod.exe application to open up a shell that will launch MongoDB if it isn't already running.

2. **Installation**

After installing both Node Js and MongoDB, we can go ahead and download our node modules. To do this, navigate to the Haircut Delivery Reservation folder location (C:\%path%\%to%\haircut_delivery) and go into the resources folder. In the resources folder, run the client_node_modules batch file and let it run through the command prompt. This should install all of the node modules for the client folder.

After installing the client node modules, run the server_node_modules batch file just like you did previously. This should install all of the node modules for the server folder.

After you install all of the node modules, you can go ahead and run the run_client batch file. This wil mount the client through port 8080.

Afterwards, run the run_server batch file. This will mount the server in port 5000.

3. **Importing dummy data.**

   Included in the application folder is dummy data so that you can test the front and back-end. The data is located in two files under the resources folder: reservations_data and users_data. To insert the data into the database, you must run the import_data batch file in the resources folder. This will only run if your mongoDB application folder is in the following path: 'C:\Program Files\MongoDB'. If this is not the case, edit the import_data batch file to update the location of MongoDB directory. Once you run the batch file with the appropriate path, the dummy data should load into the database (no user or password defined).

4. **Opening Home Page**

   Once all of the previous steps have been completed, you can once again navigate to your resources folder in the application's folder. There will be a browser shortcut named Home. If you double click

this file you should be re-directed to the home page of the web-application. For more information about the application, please refer to the user guide.

5. **References**

It is important to note that during the creation of this full-stack web application, the developer relied heavily on the YouTube tutorial series *Full Stack Web App using Vue.js & Express.js* by freeCodeCamp.org located at:

https://www.youtube.com/watch?v=Fa4cRMaTDUI&list=PLWKjhJtqVAbnadueQ-C5keMQQiQau_i0D

Also referenced during development was the node modules reference documents, such as Bootstrap-Vue documents: https://bootstrap-vue.org/docs/components

Finally, the full-stack web application is based off on Prof. Fardosht Amirpanahi's lectures and powerpoint slides.