05/30/2016

Release Notes: weat v1.0

Features:

1. Signup & Account Management
    a. Create new accounts (as a business user or a consumer)
    b. Login/logout
    c. Update personal account information

2. Menu Management
    a. Create new menus, update, and delete them
    b. Create categories within menus, update and delete them
    c. Create meals or food items within menu categories, update and delete them

3. Business View of Orders
    a. View orders as they come into a restaurant, mark them as canceled or completed

4. Data Analytics
    a. View customer's data (e.g. email, name, age)
    b. View graph of customer ordering
    c. View graph of most popular ordered food items

5. Customer Ordering
    a. Search for restaurants
    b. Add items/meals to an order
    c. Complete an order

Features not Included:

1. Image uploading: business users are not able to upload images of their restaurant or food items. Each item/restaurant will be given a default image. There is a technical work around if you'd like a custom image:
    a. For food items:
        i. Add an image to the "/public/images/<restaurant name>" folder (may have to create the folder)

ii. Update the database (fooditems) and set the imgPath attribute to "/public/images/<restaurant name>/<image name>"

b. For a restaurant:

i. Add an image to the "/public/images" folder

ii. Update the database (restaurants) and set the imgPath attribute to "/public/images/<image name>"

How to run:

1. Install Node and NPM (htttps://nodejs.org/en/)

2. Open CMD line

3. Run <npm install -g bower> to install bower on your machine

4. Run <npm install -g nodemon> to install nodemon on your machine

5. Clone the github repository (instructions for cloning at https://help.github.com/articles/cloning-a-repository/).

6. Github repo can be found at https://github.com/kpu23/weat

7. Navigate to the checked out directory on the CMD line

8. Run <npm install>

9. Run <bower install>

10. Run <nodemon> to build the project (make sure you're in project directory still)

11. Nodemon will recompile source files as they change and refresh the server

12. Navigate to localhost:3000 in your browser and the weat homepage should appear

Note 1: text between carrots (e.g. <text>) are verbatim CMD line commands

Note 2: without data, the website will have very little functionality. At the bottom of this document there are instructions to populate the database with test data.

Explanation of Basic Architecture:

Weat is a web-based online ordering system. It is based on the MEAN stack, meaning we run MongoDB, Express.js, front-end javascript (knockout.js), and Node.js. MongoDB is the

database, Express.js is a back-end javascript framework for communication with the server, knockout.js is a front-end javascript framework (that we are using instead of Angular, the "A" in "MEAN"), and Node.js runs a server and includes package management capabilities.

Database Script:

To run this database script:

1. Open the command line
2. Type <mongo> to enter mongo shell
3. Type <use weat> to access the correct db (this will create the db if it's the first time)
4. Open any text viewer file and locate the file "03-11_1_PopulateMongoDatabase.txt" in the root directory of the weat source code
5. Copy the entire script into the command line and run it
6. Type <show collections;> to verify the script ran successfully. The print out should look like:

```
> show collections;
fooditems
menucategories
menus
restaurants
system.indexes
>
```

7. Type <exit> to quit the mongo shell. You should now be able to use the website's full functionality.