

User Documentation

Little Bits

Spring 2018

Group number 4

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USER'S Documentation

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	1.0 General Information
1.0	GENERAL INFORMATION

A. GENERAL INFORMATION

1.1 System Overview

A restaurant automation system

- A software system based on Windows 10 Pro 64-bit English
- System name or title: Little Bits
- Has three portals:
 - Manager portal
 - Employee Portal
 - Customer portal
- Intended for use by chain restaurants
- Operational status:
 - Partially Operational
 - Under development

1.2 Project References

 $\underline{http://www.ece.rutgers.edu/{\sim}marsic/Teaching/SE/report1.html}$

 $\underline{https://github.com/SkylerMalinowski/WBSF/blob/master/5_Documentation/Report\%201/Report\%201\%2}\\ \underline{OFinal.pdf}$

http://www.ece.rutgers.edu/~marsic/books/SE/projects/Restaurant/2015-g3-report3.pdf

https://fccid.io/XOX-Z400/User-Manual/Users-Manual-2576495

https://neutrium.net/mathematics/least-squares-fitting-of-a-polynomial/

1.3 Point of Contact

Little Bits team: littlebits2018@gmail.com

1.4 Organization of the Manual

User's Manual v0.01.

2.0	System	Summary

2.0 SYSTEM SUMMARY

B. SYSTEM SUMMARY

2.1 System Configuration

We are using the flask python framework that requires python 2.7 and above to be installed on your computer whether its 32 bit or 64 bit. In most cases, the older versions of python and other software installations prevent working of the software correctly and therefore, we need to have a virtual environment installed. All packages such as numpy and pandas that were installed initially before installing virtual environment must be installed again inside the virtual environment.

Python comes with an in-built database called SQLITE3 so any additional packages need not be installed, however to create new objects and to use SQL queries from the command line, a SQLITE package needs to be downloaded into the user's folder.

2.2 Data Flows

Each python method in the main file is executed line by line, that is, python executes commands interactively. Each python method is associated with a URL. The syntax of which is written as @app.route("/name"), where the name defines the route. By default, the port number 5000 is accessed.

2.3 User Access Levels

The only users allowed access into the system are employees and managers where the login credentials are stored in the database for each user who is trying to access the database. The employees and managers have separate login systems so that the employees cannot maliciously try to gain access to the manager's system.

	3.0 Getting Started
3.0	GETTING STARTED

C. **GETTING STARTED**

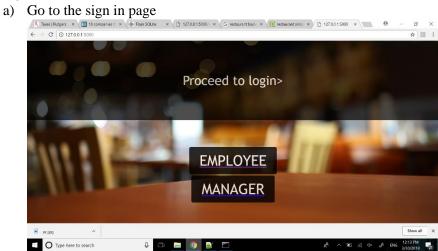
3.1 Customer

Signing in is not required.

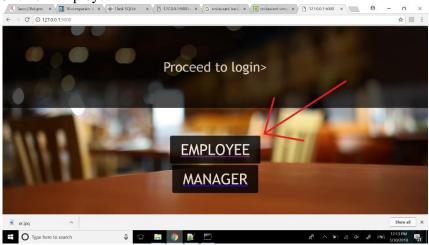
Employee 3.2

A user ID and password are required to log onto the employee portal.

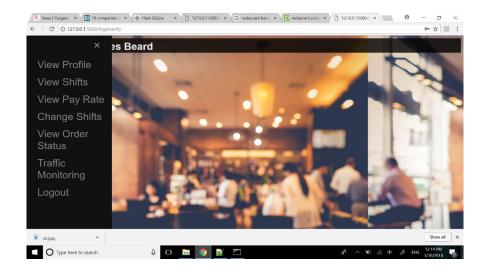
1- login:



b) Click on Employee



This will take you to the sign in page. Enter your username and password After you are signed in, you can hover over the side. A side menu will show up. You can click on the option you desire.



3.3 Manager

The sign in function isn't implemented yet.

3.4 Exit System

Click on logout.

		4.0 Using the System (Online)
	4.0	USING THE SYSTEM
	•••	
User's Manual		

D. USING THE SYSTEM

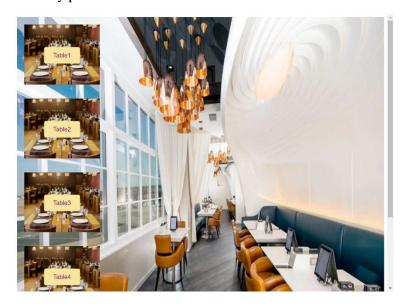
4.1 Customer

4.1.1 RESERVATION TABLET

a) Upon arrival at the restaurant the customer comes up to a tablet with the following screen. This screen allows the customer to make a reservation for their desired group size.

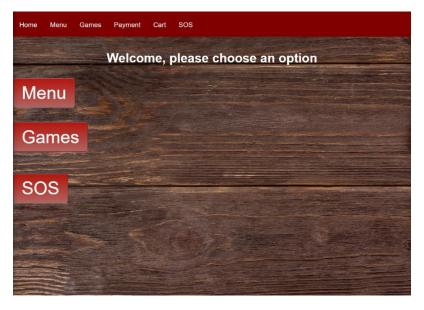


b) After selecting the party size, the customer is able to select where they prefer to sit, in the case that they prefer a booth over a table or vice versa.

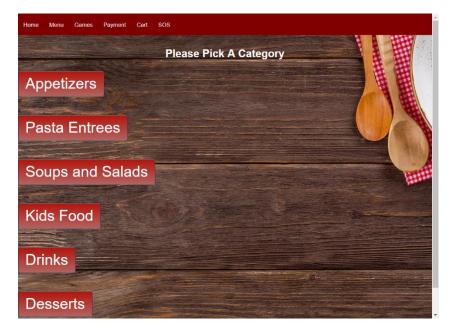


4.1.2 TABLE TABLET

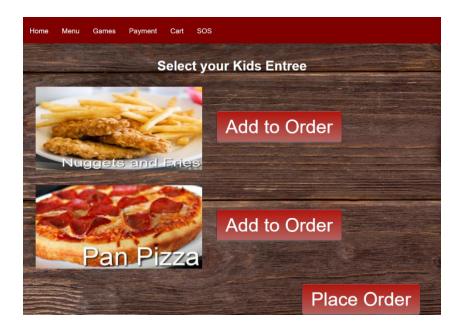
a) Customer is presented with this screen on the tablet located at their table.



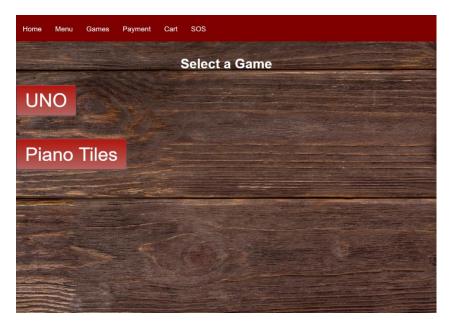
b) Upon selecting the Menu option, the customer is able to select what type of food category they want to view food or drinks from.



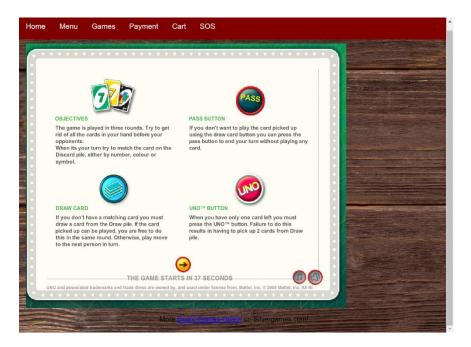
c) For example, if the customer wished to view kids entrees then the customer could select "Kids Food". Then they are redirected to this screen with options of what food they would like to order. Here the customer is able to select which items they would like to order by selecting "Add to Order" and selecting "Place Order" once they are done selecting items in this category.



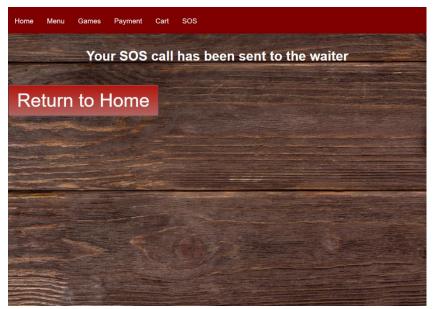
d) If the customer wishes to play a game while they wait for their food to be prepared, they can select the "Games" option on the top menu list or go back to the "Home" page and select "Games" there.



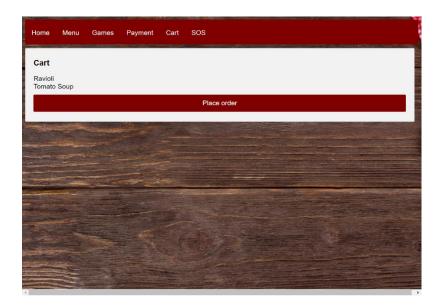
e) If the customer selects a game then they are able to play the game while they wait for their food, and leave the game at any time.



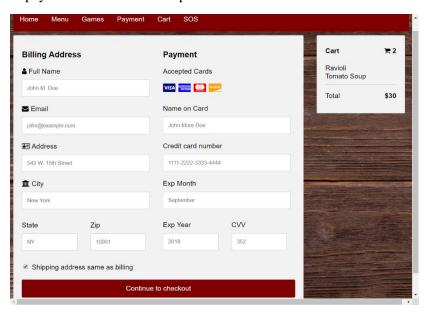
f) If the customer is in need of the waiter's attention for any reason they can select the "SOS" button. This option is located in the top menu list and on the home page. Selecting this button sends an alert to the waiter that the table requires their attention as soon as possible.



g) Selecting the "Cart" option allows the customer to view what is in their cart and make changes if needed.



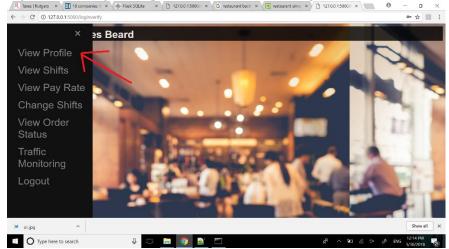
h) Selecting the "Payment" option allows the customer to input their credit card information in order to pay for their meal on the spot.



4.2 **Employee**

4.2.1 **View Profile**

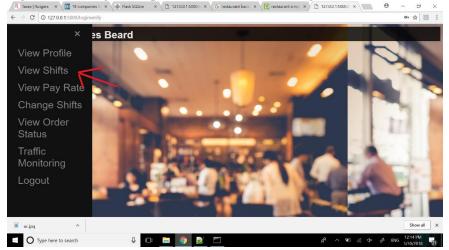
a) Sign in following the steps described in the "Getting Started" section. Click on "View Profile"





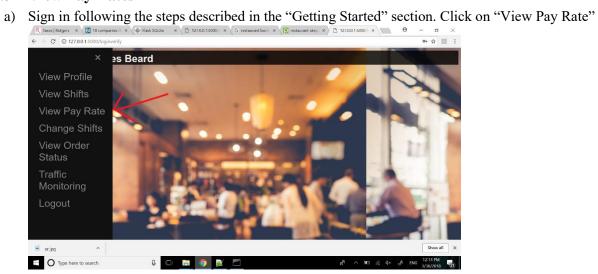
4.2.2 View shifts

a) Sign in following the steps described in the "Getting Started" section. Click on "View Shifts"



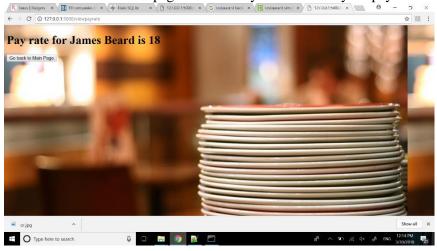


4.2.3 View Pay Rates



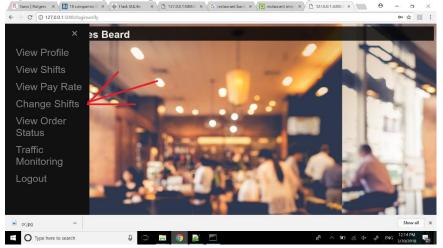
b) You will be directed to a page that shows your name and your pay rate.

R loom [Rulger N] Intermediate N] [1/2/0.015000. N] [1/2/0.01500. N] [1/2/0.015000. N] [1/2/0.01500. N]



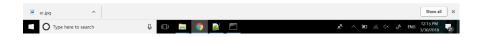
4.2.4 Change shifts

a) Sign in following the steps described in the "Getting Started" section. Click on "Change Shifts"



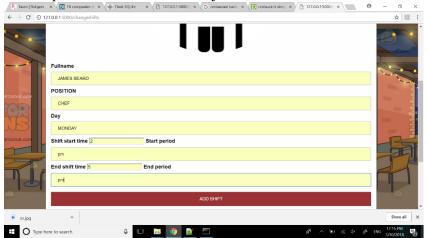
b) Click on add or delete shift depending on what you would like to do





Please note that by adding or deleting shifts, you are submitting a request to the manager that may or may not be approved.

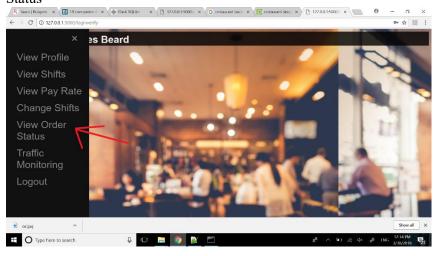
c) Enter the required information in the adjacent fields then click "ADD SHIFT"



4.2.5 View Order Status:

If you are a chef, you can use this tab to update the status of the orders.

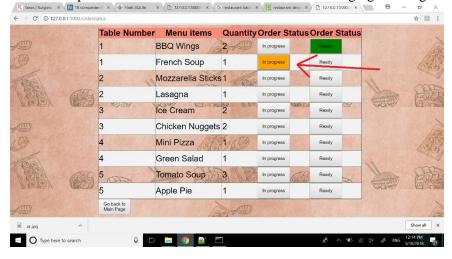
a) Sign in following the steps described in the "Getting Started" section. Click on "View Order Status"



b) You will be directed to the order status page. The page shows the table number, the menu items, their quantity and the order status.



c) When you start working on an order, click on the "In Progress" button next to the name of the item. For example, click on the button the arrow is pointing to when you start preparing the French Soup. You will notice the color of the button changing to orange.



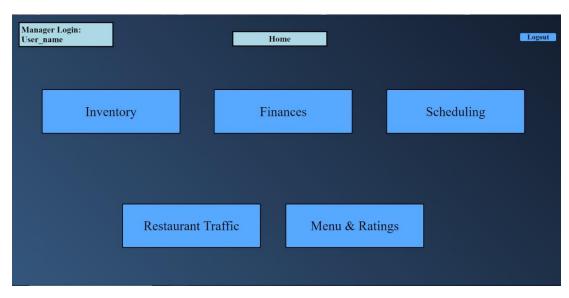
d) When the order is ready, click on the "Ready" button next to the name of the item. For example, click on the button the arrow is pointing to when the BBQ Wings are ready. You will notice the color of the button changing to green. This will send a notification to the chef to pick the order up and deliver it to the customer.



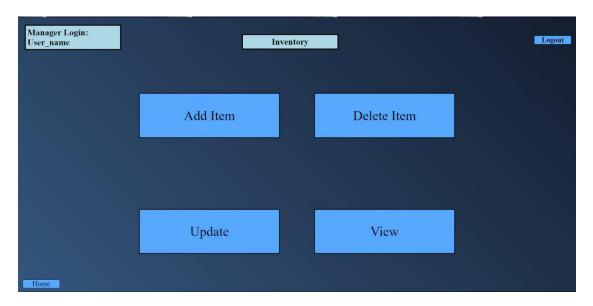
4.3 Managers

4.3.1 User Information:

In order of a user to complete a task starting from the home menu and return back to the home menu, they must take the following steps for each operation:



4.3.2 INVENTORY:



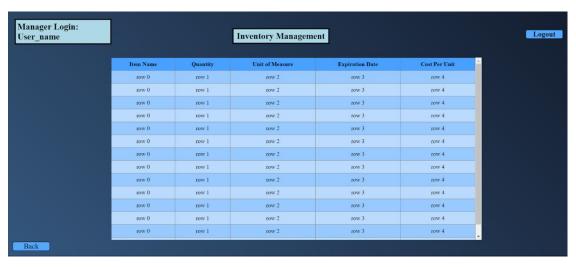
a) ADD: Inventory>>Add item>>(user inputs item information)>>submit>>back>>home



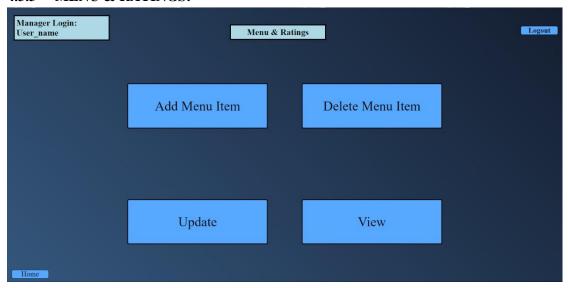
b) DELETE: Inventory>>delete item>>(user inputs item information)>>submit>>back>>home



c) VIEW: Inventory>>view>>back>>home



4.3.3 MENU & RATINGS:



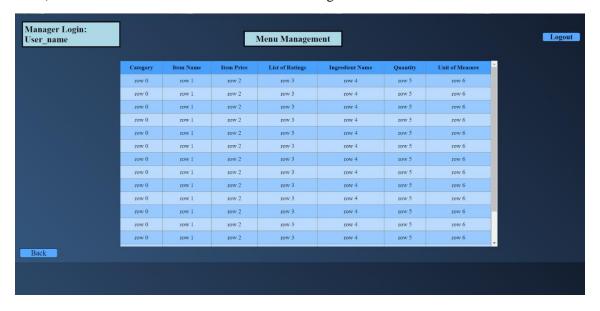
a) ADD MENU ITEM: Menu & Ratings>>Add Menu Item>>(User I puts item information)>>submit>>back>>home



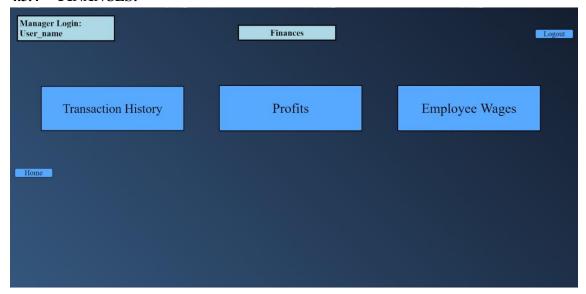
b) DELETE MENU ITEM: Menu & Ratings>>Delete Menu Item>>(User I puts item information)>>submit>>back>>home



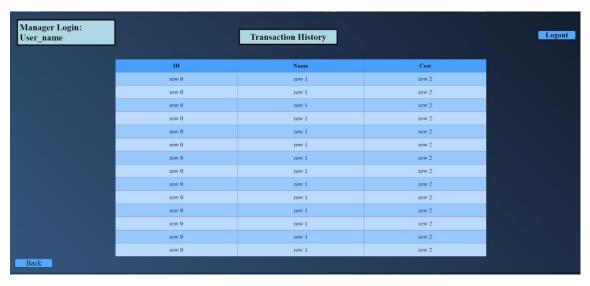
c) VIEW MENU & RATINGS: Menu & Ratings>>View>>back>>home



4.3.4 FINANCES:



a) VIEW TRANSACTION HISTORY: Finances>>Transaction History>>back>>Home



b) EMPLOYEE WAGES: Finances>>Employee wages>>back>>home

