Framework—Flask

HTML
CSS
JavaScript
PHP—Python
JSON

References:

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

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

http://www.ece.rutgers.edu/~marsic/books/SE/book-SE_marsic.pdf

https://www.tutorialspoint.com/software_testing_dictionary/big_bang_testing.htm

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

https://onlinecourses.science.psu.edu/stat501/node/324

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

Teams of Work

Customer Team: Esraa A., Hagar E., Lakshmi G.

Employee Team: Manvi A., Zachary J., Dafna S.

Manager Team: John A., Kevin H., Fareen P.

Project Website:

https://sites.google.com/scarletmail.rutgers.edu/restaurantautomation2018/home?authuser=1

Little Bits

Group 4

Esraa Abdelmotteleb

Manvi Agarwal

John Alcantara

Hagar Elshentenawy

Lakshmi Sai Nithya Garudadri

Kevin Honeker
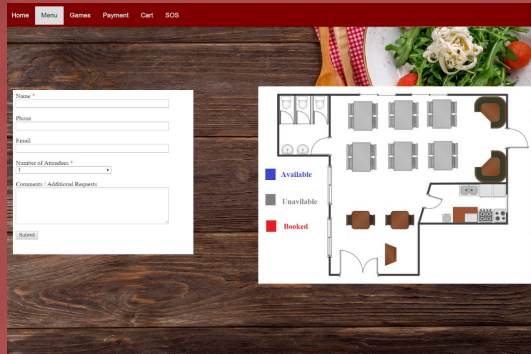
Zachary Joseph
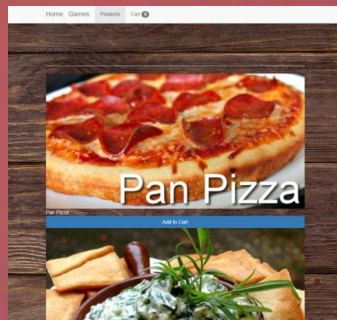
Fareen Pourmoussavian

Dafna Shochat

May 2, 2018

Customer Functionalities

Customer is able to select their preferred table location.

Customer is able to order food and drinks at the table without waiting for the waiter to free up.

Changes Made:

- Customer can choose to pay with gift card or cryptocurrency as options
- Customer can place take-out order and receiver confirmation number and time estimations for the food.

Employee Functionalities

Employees are able change their schedules as they see fit.

Employees are able to check the status of orders, and able to be notifies by the customer in case of an issue.

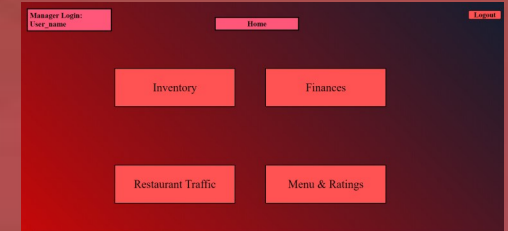| Table Number	Menu items	Quantity	Order Status	Order Status
1	BBQ Wings	2	In progress	Ready
1	French Soup	1	In progress	Ready
2	Mozzarella Sticks	1	In progress	Ready
2	Lasagna	1	In progress	Ready
3	Ice Cream	2	In progress	Ready
3	Chicken Nuggets	2	In progress	Ready
4	Mini Pizza	1	In progress	Ready
4	Green Salad	1	In progress	Ready
5	Tomato Soup	3	In progress	Ready
5	Apple Pie	1	In progress	Ready

Go back to Main Page

Changes Made:

- View shift, Add shift, and Delete Shift algorithms added
- Employee chat system implemented.
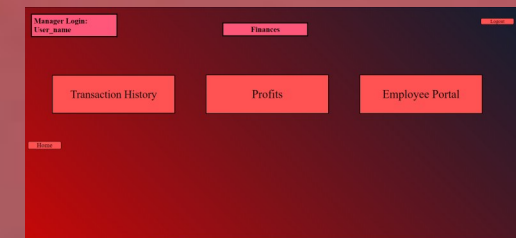- Website security improved with changes to employee sign in

Manager Functionalities

Manager is able to access functionalities such as: Inventory, Scheduling, and Restaurant Traffic.

Manager is able to add new items to the menu.

Manager is able to keep track of finance history, profits, and the employee portal.

Changes Made:

- Updated functions such as updateMenu and addEmployee
- Employee portal updated to add and delete employees