



Individual contributions

Group #3

Sujay Bandarpalle, Julian Esteban, Kanav
Tahilramani, Omar El Warraky, Jonathan
Du, Paolo Umali

Software Engineering

14:332:452

The following is a list of the features implemented by each sub team.

Sujay Bandarpalle and Julian Esteban:

- Microsoft Azure database setup and interaction
- Waiter floor plan and table status settings
- Waiter order placement, allergens or undesired ingredients removal from selected menu item, menu item note for special requests
- Food queue interaction by chef and order progress percentage tracking for waiter
- Automated inventory updating and reordering, manual inventory updating and reordering
- Tracking of business statistics (revenue, expenses, and profits)
- Host interface, waiting party list, and automated seating algorithm
- Log in and user authentication of employees and customers
- User interface and user experience throughout the application (UI/UX)

Jonathan Du and Paolo Umali:

- Customer order progress portal
- Busboy interface
- Busboy floor plan
- Manager addition and removal of employees
- Research to obtain ingredients for menu items
- Bill total calculation
- Waiter interface
- Menu pages and item selection

Kanav Tahilramani and Omar El Warraky

- Employee portal
- Employee portal database
- Employee automatic scheduling algorithm and manual override for schedule changes
- Bartender Interface
- Drink Preparation Queue
- Removal of items from bill
- Removal of items from new order
- Item addition confirmation

**** ALL GROUP MEMBERS CONTRIBUTED EQUALLY! ****

	Sujay Bandarpalle	Julian Esteban	Kanav Tahilramani	Omar El Warraky	Jonathan Du	Paolo Umali
Program Code Writing	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)
Webpage Design	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)
Integration	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)
Testing Algorithms	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)
Debugging	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)
Program Documentation	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)
Designing and Maintaining Database	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)
Brochure	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)
Powerpoint Slides Preparation	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)
Project Management	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)	(100/6 %)

* Testing was conducted through the use of a Windows Phone 8.1 4.7" emulator. Since our project is a mobile application, running through use cases and user stories using an emulator was employed in lieu of using unit testing frameworks. During implementation of each feature, strenuous unit testing was conducted to ensure that each feature worked as expected. Integration testing was done by using all of our applicable user stories to ensure that expected results were yielded for both the items displayed and stored in database, and correct navigation of the application.

Project Management:

- ✓ All group members created a GitHub account to easily share files and code amongst one another.
- ✓ A shared dropbox was created and maintained between everyone.
- ✓ Organized in-person and Skype Meetings: Julian Esteban, Jonathan Du, Omar El Warraky
- ✓ Coordinated Activities including Teamviewing and Skype Screen Share: Sujay Bandarpalle, Kanav Tahilramani, Paolo Umali
- ✓ Assigning Responsibilities: All group members

- ✓ Installing and Maintaining Developer's Resources: Sujay Bandarpalle, Julian Esteban
- ✓ Combining all of the contributions into the correct files and formats: All group members
- ✓ Demo 1 Documentation: All group members
- ✓ Demo 1 Coding: All group members