USER Documentation

Auto-Serve
Group 11

Restaurant Automation

April, 2012

USER DOCUMENTATION

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1.0   GENERAL INFORMATION

1.0 GENERAL INFORMATION

1.1 System Overview

Auto-Serve is a system to aid in the everyday activities needed in a restaurant. This system provides separate login interfaces for the manager, hostess, busboy, and waiter. A model/view/controller format for the system architecture is followed to allow for subsystem to store data, view data, and manage the user's interactions with the system through a graphical user interface.

The system is currently under development with some major components operational. The user can manage the restaurant's menu, change table statuses, and manage employee profiles including the addition and deletion of employees.

2.0   SYSTEM SUMMARY

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2.1   System Configuration

Desktop consoles will be used for in conjunction with a server. The system network is connected as shown below.
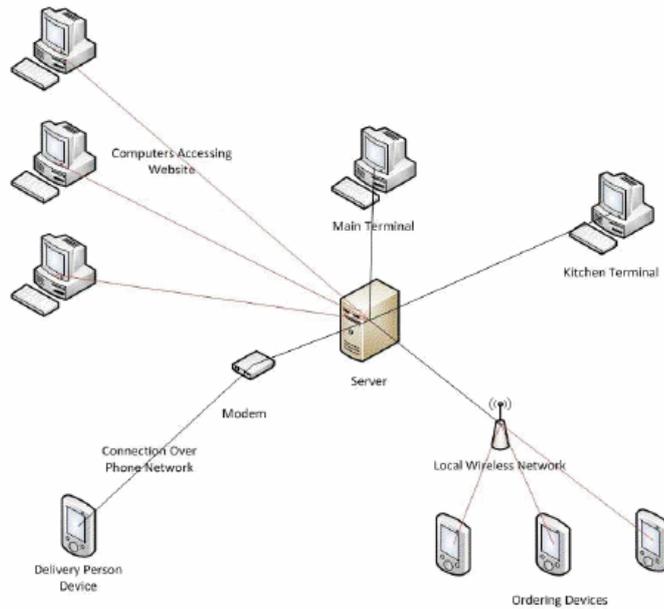
2.2   Data Flows
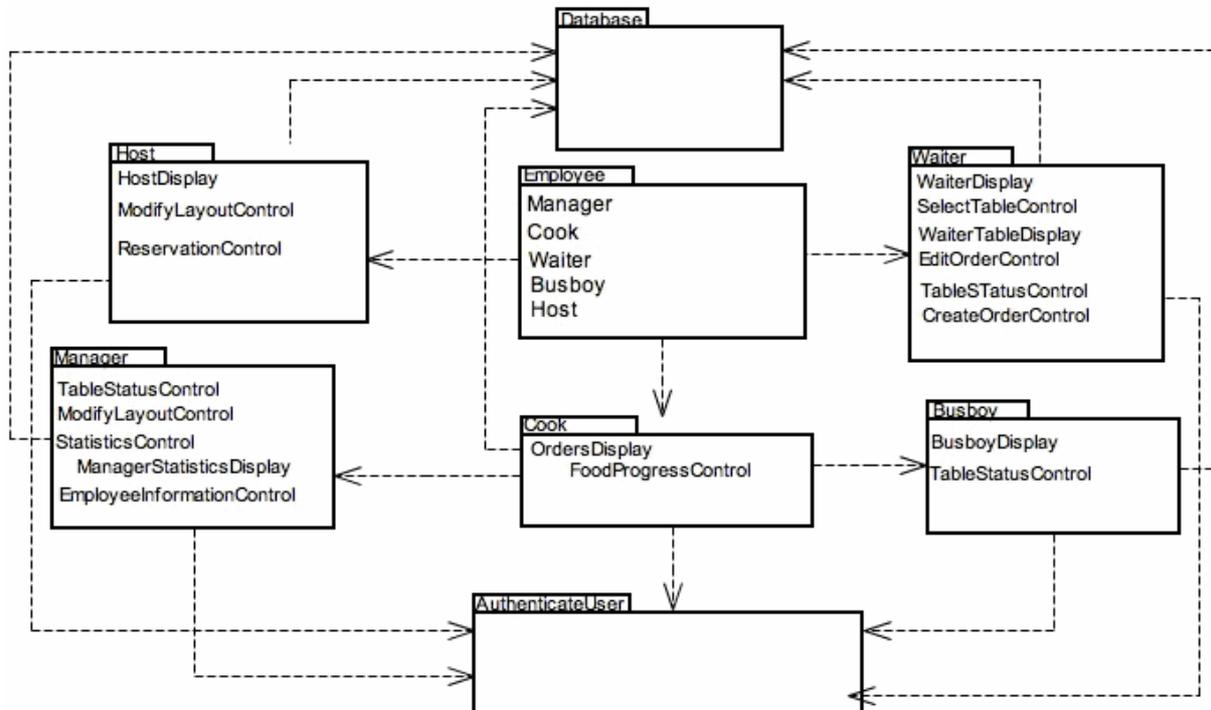
The flow of data can be described as a connection to and from the database. Initially, the user login provides input data of the username and password to the database for authentication. Afterward, depending on the user's employee status, changes to the menu, orders, restaurant statistics, and employee data are performed and submitted/retrieved to/from the database.

2.3   User Access Levels

The users include manager, chef, waiter, hostess, and busboy.

The manager, with the greatest permissions will be able to access the restaurant statistics along with the management of the menu and employees, and viewing/editing the restaurant table statuses and arrangements.
The chef is allowed to view the orders placed and change the progress of the orders being cooked as needed. Also, inventory stocks shall be available to the chef.
The waiter is allowed to place orders and view the tables assigned to the specified waiter. In addition, waiters are given the permission to edit the tables as needed.
The hostess is given access to all aspects related to table control to allow for seating customers and receives/processes bill payments.
The busboy only has the permission to view the tables and change their statuses to clean as needed.

3.0   GETTING STARTED

3.0   GETTING STARTED

3.1   Logging On
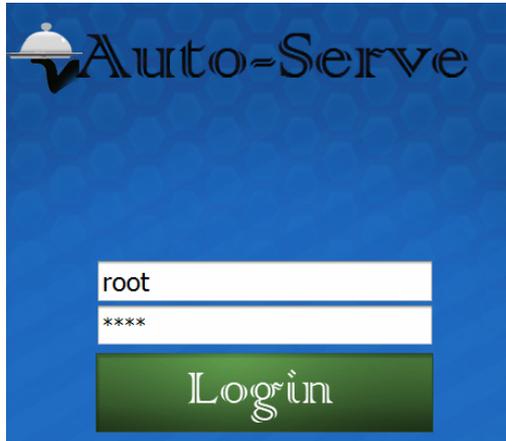
To log into the system, a username and password are needed. These are provided to the user by manager or systems administrator. Once the username is typed in the first field and the password is typed into the second field, the "Login" button is pressed. The corresponding user interface for the employee type is displayed (manager, busboy, etc.).

3.2   System Menu

3.2.1   Payroll

Allows the manager to add/delete/edit employee profiles and along with the login information.

3.2.2   Restaurant Stats

Allows the manager to view the most ordered food item in the restaurant along with customer turnover and other statistics.

3.2.3   Table Status

Allows the manager, waiter, hostess, or busboy the view/edit table layout and status (clean, occupied, dirty, reserved)

3.2.4   Place Order

Allows the manager or waiter to place an order according to the customers demands.

3.2.5 View Stocks

Allows the manager and chef to view the current inventory stocks to know when to restock on certain items.

3.2.6 Edit Menu

Allows the manager to add/delete items to/from the restaurant menu.

3.3   Changing Username and Password

If the user is not the manager, a request must be sent to the manager to have a password changed.

The manager is allowed to change the username and password of the employees through the payroll system menu. Once the manager logs in and clicks on the payroll menu option, a specified employee may be chosen from the given list of current restaurant personnel. Once an employee is selected, and the "Select Employee" button pressed, all fields related to that employee may be edited. The username and password fields are changed as necessary and the "Edit Employee" button is pressed to update the system and allow for changes to take place.

3.4   Exit System

When in a system menu, the back button in the lower left corner of the screen will bring the user back to the main menu. Once at the main menu, click the "Log Out" button to log out of the employee's account and leave the system.

4.0   USING THE SYSTEM

4.0 USING THE SYSTEM

4.1 Payroll

4.1.1 Remove Employee

Click on an employee from the list provided. Once chosen, click the *Remove Employee* button to remove the employee's profile from the restaurants system.

4.1.2 Add Employee

Enter into the fields on the right of the user interface the new information for an employee to add to the restaurants system. Once done, the *Add Employee* button will become active. Click the *Add Employee* button the add the inputted profile information for an employee into the system.

4.1.3 Edit Employee

Click on an existing employee from the list provided. Click *Select Employee*, which will fill in the fields on the right of the user interface with the respective information for the selected employee. Replace the fields with updated information as needed. Click *Edit Employee* to save all changes to the employee profile.

4.2 Restaurant Stats

Currently Under Construction

4.3   Table Status

Currently Under Construction with some functionality as seen below:
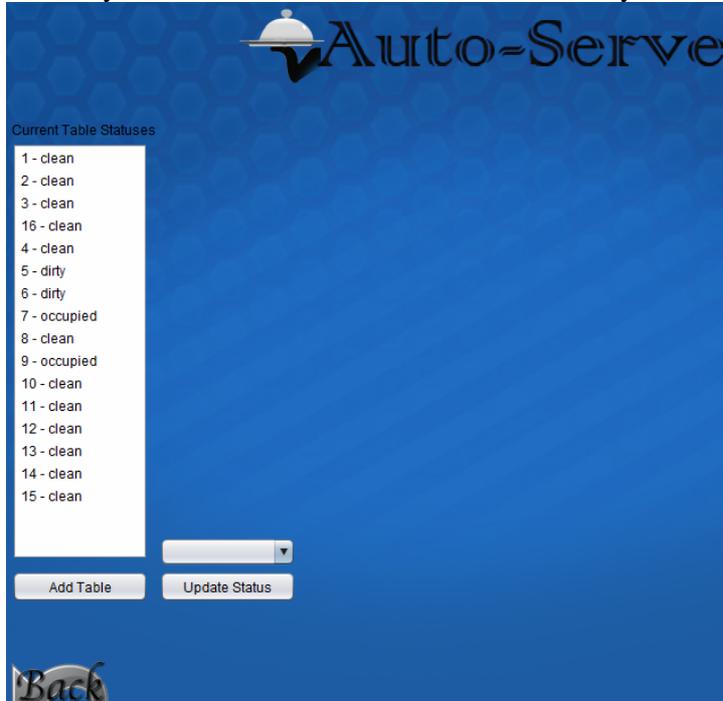
4.3.1 Edit Table Status

To change a specified table's status, click on the table from the provided list.. Click on the drop down next to the list and select the status to change the table to. Click on the *Update Status* button to update the table status.

4.3.2 Add Table

Click the *Add Table* button to add a table. By default, the table added will have the status of clean. To change the status, see section 4.3.1.

4.4   Place Order

Currently Under Construction

4.5   View Stocks

Currently Under Construction

4.6 Edit Menu

4.6.1 Remove Menu Item

Click on a menu item currently on the menu from the provided list. Once selected, click on the *Remove Item* button to remove the item from the menu.

4.6.1 Add Menu Item

If there is currently anything in the Menu Editor, click the *Clear* button. Type in a Name, Price, and Description in the respective fields for the menu item to be added. Type in additions (extra cheese, extra tomatoes, etc.) and click *Add Addition* after every addition as needed.

4.6.1 Edit Menu Item

Click on a menu item currently in the menu from the list provided. Click the *Edit Item* button the edit the selected food item. The menu editor will be filled with the current information corresponding to the selected menu item. Change the input fields as needed and then click the *Update Item* button to save any changes made.

4.7 Special Instructions for Error Correction

When in invalid username and/or password is entered in to the system login, the error message:
"Authentication Failed! Please enter a valid username and password."
is displayed. This is fixed by entering a correct username and corresponding password. If either is forgotten, place contact the manager.

When inputting or editing a menu item, all three of name, price, and description are required to add/edit the menu item. Also, the price must consist of numerical input.