Noah Howell Wednesday, February 17, 2021

Milestone 2 – Stakeholders and Scenario-Based Elements
Team Name: Foodie Fighters

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Stakeholders:

Project manager
Project's leader, manages the team's overall flow including planning and organizing. Maximizes efficiency throughout the project and ensures everyone is on task.

Project managing liaison
Schedule meetings, arranges the budget, plans due-dates, and makes the final decision over the project tasks' completion. In addition, he/she is the contact person the team, as well as the professor, can communicate with.

Developers
Team members, including the project manager, who implement and carry out the project.
Catch-all phrase for the programmers.
We are spending a lot of time and effort in creating this software, so obviously we are stakeholders as well.

Restaurant (Manager & Users - Client)
Specifically utilizing and executing this software product - assuming the client is Prof. Haipeng Cai.

Restaurant Customers (General Public)
Customers using the software for ordering take-out from the restaurant.

Others
Above are all the primary stakeholders, there may be secondary stakeholders such as suppliers.

Note: No investors as we are doing it for free. But we should be paid!!!

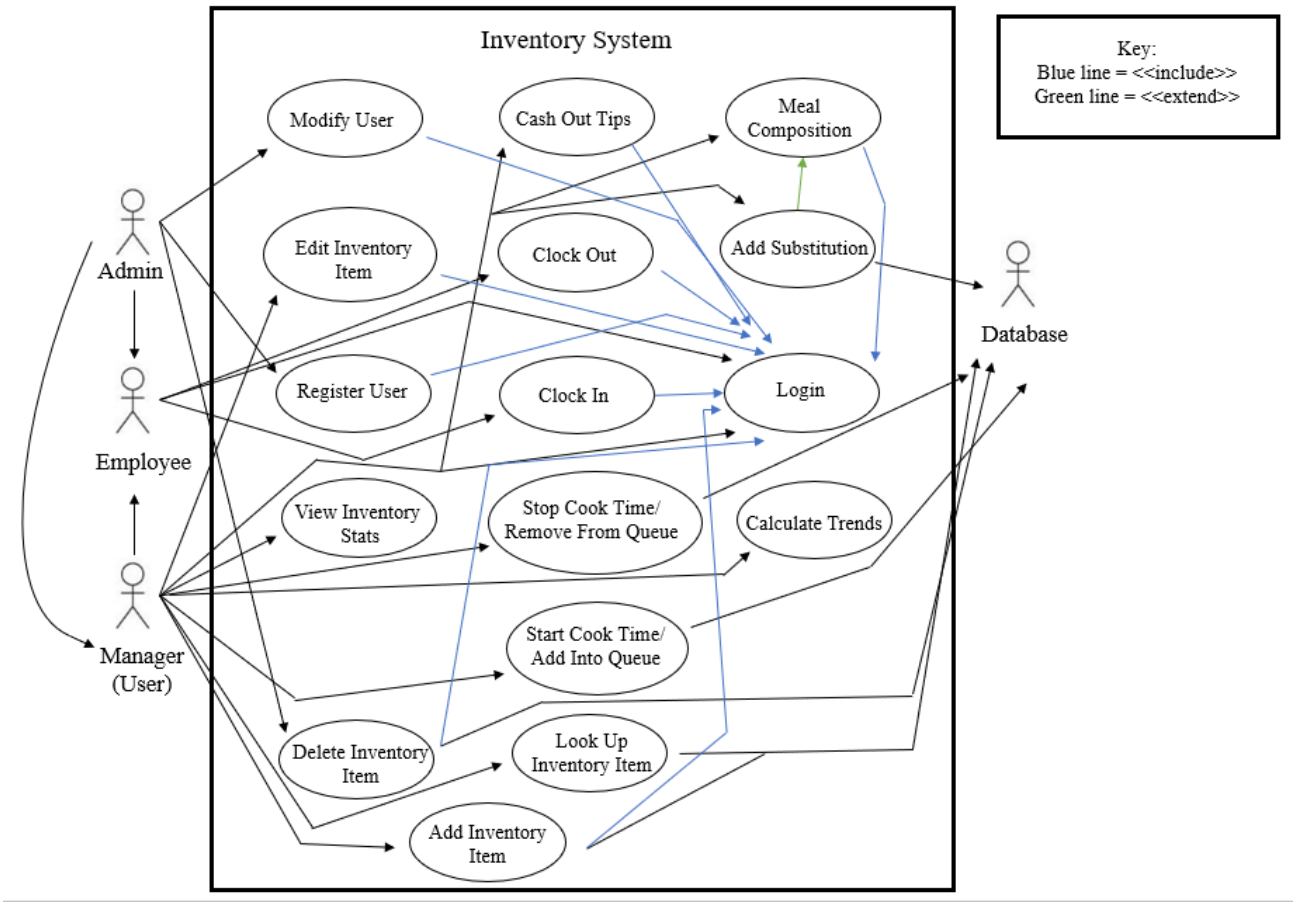

Figure 1: Use case diagram for restaurant inventory

We will be using the professional UML tool: Power Point.

Modify User

Actors:	Admin
Goal:	To edit user permissions and user data
Preconditions:	User must exist
Scenarios:	Need to “delete user” Need to change user permissions User info to be updated User needs to be unlocked after being locked out
Exceptions:	None

Edit Inventory Item

Actors:	General User
Goal:	To edit inventory item
Preconditions:	User is logged in Inventory item exists in database
Scenarios:	Mark to delete Mark to make notes Mark to change fields
Exceptions:	Item is no in the database

Register User

Actors:	Admin
Goal:	To add a new user to the system
Preconditions:	Must be admin User does not already exist
Scenarios:	User need to be created Fill appropriate fields Set appropriate permissions
Exceptions:	If changing username make sure new name does not already exist

View Inventory Stats

Actors:	User
Goal:	To query database with appropriate filters
Preconditions:	None
Scenarios:	User chooses view inventory stats option System display inventory items information User selects filters organize item information
Exceptions:	None

Delete Inventory Item

Actors:	Admin Database
Goal:	To remove an inventory item
Preconditions:	User is logged in Item exists in database
Scenarios:	If item was added to inventory by mistake User looks up inventory item manually System brings up information User selects delete item System removes item from database
Exceptions:	Item was never in the database

Add Inventory Item

Actors:	User Database
Goal:	To add a new inventory item to the database/system
Preconditions:	User is logged in Item is not currently in database
Scenarios:	Item is scanned or manually looked up System show editable information and user selects and changes information User saves information, or exits without saving Any saved information is updated in the database
Exceptions:	Item is already in database

Look Up Inventory Item

Actors:	User Database
Goal:	To obtain the data of a specific inventory item in the database
Preconditions:	User is logged in Item exist in database
Scenarios:	User scans item by entering manual search mode (search by item name, type, code, etc.) System retrieves item information if found Retrieves multiple items and user selects correct one No item match system displays message

Exceptions:	Item is not in the database

Start Cook Time/Add Into Queue

Actors:	User Database
Goal:	Countdown until food item should be read
Preconditions:	Meal is purchased Meal is comped
Scenarios:	Keep track of cook times and wait times for order to be prepared. Keeps track of how many orders need to be prepared.
Exceptions:	Order canceled

Stop Cook Time/Remove From Queue

Actors:	User Database
Goal:	Stop clock on order when finished. Notifies waiters when meal is to be delivered.
Preconditions:	Meal has been prepared
Scenarios:	Keep track of cook times and wait times for order to be prepared.
Exceptions:	Order canceled

Clock in

Actors:	Employee Users
Goal:	To monitor employee's arrival at shift
Preconditions:	Employee must login using username/passwords Must be scheduled to work
Scenarios:	Login screen launched Employee input work username/password credentials Upon clock in, work time begins
Exceptions:	Multiple invalid attempts of username/password

Clock out

Actors:	Employee users
Goal:	Allow to accumulate employee work time from start to end
Preconditions:	Employee must be logged in
Scenarios:	Employee is logged in At the end of each shift employee clock out of their account After clock out, total hours of a shift are recorded
Exceptions:	Employee did not clock in correctly and unable to clock out

Cash Out Tips

Actors:	User
Goal:	To take out the floating cash the waitresses/waiters are holding that's used to make change for the customers.
Preconditions:	Employee must be logged in and have floating cash
Scenarios:	Employee is logged in End of employee day Employee has made tips
Exceptions:	Employee is not clocked in and has no tips

Meal Comp

Actors:	User
Goal:	To zero out the price
Preconditions:	Karen being a Karen
Scenarios:	Hair or other things that should not be found in food Under cooked food Over cooked food Being a Karen
Exceptions:	Manager saying no

Add substitution

Actors:	User Database
Goal:	To add substitution into system
Preconditions:	Customer changes mind Customer makes a mistake
Scenarios:	The food that the customer ordered before is hasn't started to be cooked yet Tell the kitchen the order has been changed

	Make sure the old purchase is changed
Exceptions:	There is no old order

Login

Actors:	Employee Manager
Goal:	Be able to access the register
Preconditions:	User exists in database
Scenarios:	Sign in and password screen is launched Success and fail screens
Exceptions:	Username password combo does not exist, Login attempted incorrectly to many times

Calculate trends

Actors:	Manager
Goal:	To see what meals are being ordered more than others
Preconditions:	Meals being ordered
Scenarios:	Certain meals being ordered in abundance
Exceptions:	Meal has never been ordered