# **CSC154 Software Development**

# **Project Overview**

Project Name: Restaurant Centralization Software

Team Number: 10

Project Manager: Katherine Landsman

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Team Members: Carson Pribble, Chase Jamison, David Utshudiema, Mohamed Ibensilalen, Sergio Mainville

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## Project Objective:

## Allow for employees to easily interact with customers’ orders via an app and reduce miscommunication. Provide centralization of all server tables allowing servers to better manage and prioritize orders. App will help cut down on customer wait time by transmitting information directly to the kitchen.

## Project Description:

Servers will have an easy-to-read display that keeps track of things such as menu items, prices, order time, and order status. They can also view their current tables and see the current bill/tab for each table, see the average order time, and display information associated with a table. Line cooks/Chefs will see the current orders placed and the time they were placed. They can notify the server when an order is ready. The application would display the menu and allow the ability to add or edit items in an order. When viewing a table, the user can view or distribute an itemized bill to the customer.

1. Project Scope:

* App will not automatically rotate servers, this will be manually achieved by the hostess
* App will provide order capability
* App will provide order management including creating, deleting, adding, and removing items from an order.
* App will provide server management
* Managers will have upgraded admin privileges within the app to edit customer orders
* Menu items will be stored in a database
* App will keep track of volume of items sold each day for tracking purposes
* App will not have timesheet functionality. (Keeping track of hours worked)
* App will not keep track of employee’s weekly schedules.
* App will not have the functionality for communication between users (servers, managers, etc.)

1. Use Case and User Stories (Create at least 3 User Stories or Use Cases):

**Use Case Name:** Restaurant Centralization Software

**Actors:** Line cook, Server

**Basic Use Case Description:**

* Server reserve available table for the customer.
* Server sends order to the kitchen.
* Line cook receives placed order.
* Line cooks mark the order ready after preparation.
* Server got notification off the order and marked it completed after serving the order to the right table.

**User Story:**

As a server, I want to only see available tables so I can reserve it for the customers.

As a server, I want to place an order in my device and send it directly to the kitchen.

As a line cook, I want to receive notification for every new order, and have ability to mark it ready after preparation.

As a server, I want to receive notification from the kitchen on every order that is ready so I can mark it completed after serving it to the right table.

## Team Collaboration and Documentation Tools:

* GitHub
* GitHub Projects
* Microsoft Teams
* Practera
* Email

## Project Management Plan and Methodologies:

* Agile Principles
* Scrum Methodology