

Sprint 3:

1. What are the goals for the sprint 3? Create a list (backlog) of user stories (at least for this sprint, corresponding to the milestone 3 features of the requirements document): A short description of functionality from the user's perspective:

As a customer	I want to enter my name, phone number, and party size	So the restaurant can contact and validate who I am.
As a customer	I want to choose a time to schedule my reservation.	So I can make a reservation.
As a manager	I want to set the total number of reservations	So the restaurant remains at capacity.
As a manager	I want to view reservations made for each time slot.	So I could track table availability

2. Technology choices (hardware and software) and tools for program development (design, implementation, testing, version control, etc).

- Flask: Lightweight Python server with all essential features for this project.
- SQLite: Lightweight database that can be used with the Flask server to store data.
- JavaScript/HTML/CSS: Frontend interface for the application.

SET_TOTAL_RESERVATIONS

- IDENTIFIER: SET_TOTAL_RESERVATIONS
- TEST CASE:
 1. Managers set the total number of reservations when editing the restaurant's details
- PRECONDITIONS: LOGIN
- INPUT VALUES: A valid integer
- EXECUTION STEPS: The manager logs in and enters the total number of reservations for the time slot for the restaurant.
- OUTPUT VALUES: Alert that restaurant was updated successfully.
- POSTCONDITIONS: Redirected to the home page.

SCHEDULE_TIME

- IDENTIFIER: SCHEDULE_TIME
- TEST CASE:
 1. Customers choose a time slot for a reservation
- PRECONDITIONS: View_Time_Slots
- INPUT VALUES: Button press
- EXECUTION STEPS: The user chooses a time slot on their home page
- OUTPUT VALUES: Redirected to that slot's page

- POSTCONDITIONS: The user gets redirected to the reservation page with a form for their party size, name, and phone number.

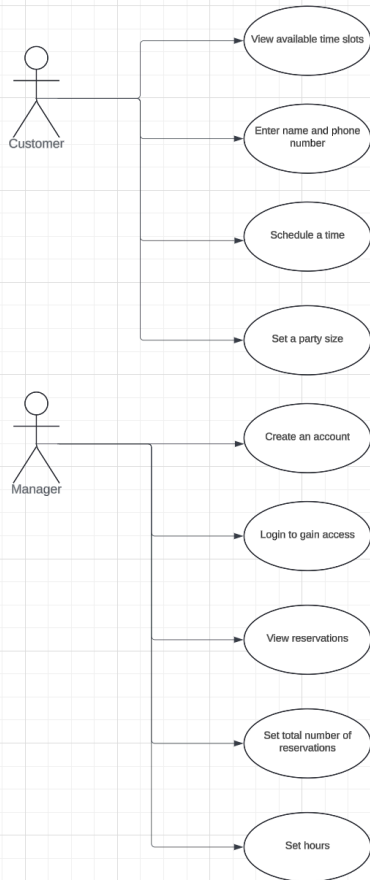
RESERVATION_DETAILS

- IDENTIFIER: RESERVATION_DETAILS
- TEST CASE:
 - Customers enter their name, phone number, and party size.
 - If these entries are valid, the server will update the database to include this as a reservation.
- PRECONDITIONS: VIEW_RESERVATIONS
- INPUT VALUES: Name, phone number, and party size.
- EXECUTION STEPS: The user will choose a time slot on the home page, they will then be redirected to a form to enter their username, phone number and party size
- OUTPUT VALUES: Alert that the reservation has been set
- POSTCONDITIONS: The reservation will be set in the database and the user will be redirected to the home page

VIEW_RESERVATIONS

- IDENTIFIER: VIEW_RESERVATIONS
- TEST CASE:
 - Managers can view all reservation details made and their associated time slots.
- PRECONDITIONS: RESERVATION_DETAILS, LOGIN
- INPUT VALUES: N/A
- EXECUTION STEPS: Login and view the list of time slots, reservations and their associated details
- OUTPUT VALUES: All reservation details including names, phone numbers, and party size.
- POSTCONDITIONS: N/A.

- Documentation level: what kinds of documentation do you plan to do?
 - UML Diagram to visualize goals and sprints.
 - User manual/Readme to show users how to use the application.



Customer

- As a customer, I want to view available time slots to make a reservation.
- As a customer, I want to schedule a time to book a table.
- As a customer, I want to enter my name and phone number so the restaurant can contact me.
- As a customer, I want to enter my party size so I can reserve for others as well.

Manager

- As a manager, I want to create an account with a username and password.
- As a manager, I want to log in to the account to access reservations.
- As a manager, I want to view reservations to manage the restaurant.
- As a manager, I want to set a total number of reservations to keep the restaurant from overcrowding.
- As a manager, I want to set the hours available to show the opening and closing hours.

Sprint 1

- Set up registration and login for managers.
- Managers can set total number of reservations.

Sprint 2

- Managers can set the hours.
- Available time slots will be displayed hourly.

Sprint 3

- Customers can select a time slot and enter their name, phone number, and party size.
- Managers can view reservations for hour slots.

Sprint 4

- CSS and styling.