First Sprint Plan:

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

As a manager	I want to create an account	So I could manage and monitor my restaurant.
As a manager	I want to sign in to my account	So I could monitor and manage my restaurant

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.

    Register

    ■   IDENTIFIER: REGISTER
    ■   TEST CASE:
        ● User enters invalid username, no valid email address: Shows alert name is invalid.
        ● User enters valid username and password: Account is created in the database.
    ■   PRECONDITIONS: Nothing
    ■   INPUT VALUES: Username and password
    ■   EXECUTION STEPS: Enter username and password and enter the form.
    ■   OUTPUT VALUES: Status 200: Account created successfully
    ■ POSTCONDITIONS: Successful login, redirected to restaurant page, and new user added to database.

    Login

    ■   IDENTIFIER: LOGIN
    ■   TEST CASE:
        ● User enters invalid username and password: Alert displayed that username or password is invalid.

- User enters valid username and password: Login and redirected to restaurant page
  - PRECONDITIONS: REGISTER
  - INPUT VALUES: Username and password
  - EXECUTION STEPS: Enter username and password and enter the form.
  - OUTPUT VALUES: 200: Login successful
  - POSTCONDITIONS: Successful login and redirected to restaurant page. View reservations, create time slots, and set hours.

- 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

View available time slots

Enter name and phone number

Schedule a time

Set a party size

Manager

Create an account

Login to gain access

View reservations

Set total number of reservations

Set hours

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.