

Software Requirements Specification

Staff Management System

Version 1.0

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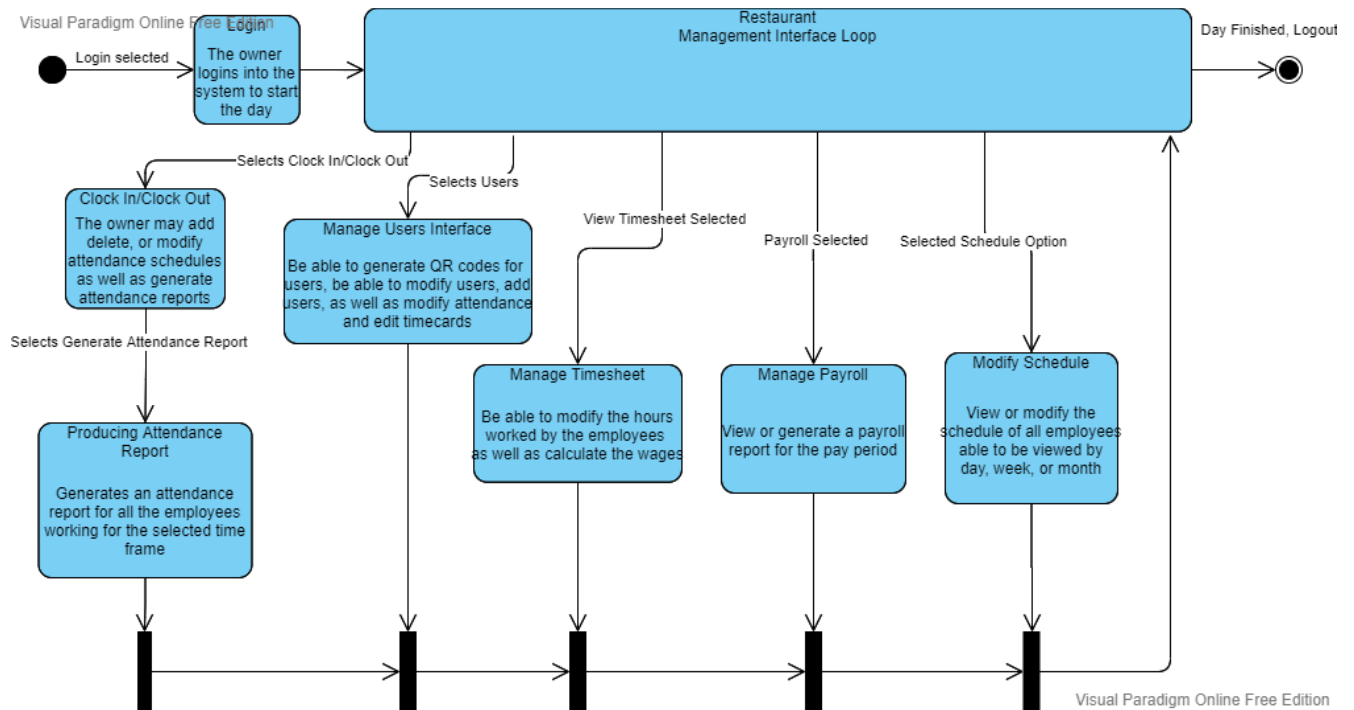
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State Chart:



Use Case Scenarios

- Login
- Clock In/Clock Out
- View Timesheet
- View Schedule
- Access Payroll Report
- Change Password
- Modify Schedule
- Modify Attendance
- Modify Payroll
- Generate QR Code
- Add User

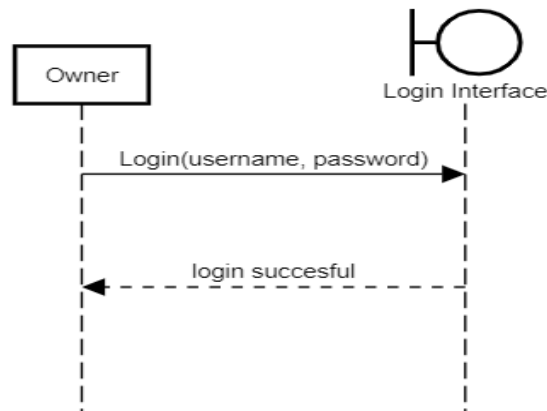
Login Example Scenario:

The owner wishes to login to begin everyone's day.

1. The owner enters their username and password into the system.
2. The system checks with its database to verify it is the owner

3. Successful verification allows the owner to login.

Login Sequence Diagram



Sequence Diagram:

Clock In/Clock Out Example Scenario:

An employee wishes to clock in for the day and then later clock out for the day.

1. The employee selects the clock in/clock out button on his user interface.
2. The employee provides their personal access code to verify it is them.
3. The system records the time of day of clock in.
4. Once their day is over, the employee selects the option to clock out.
5. The system records the time of day they have clocked out.

Sequence Diagram:

View Timesheet Scenario:

The manager or owner wishes to see the attendance of all their employees for a certain week.

In addition, they wish to double check with the times on the timesheet that they are paying their employees the proper wage.

1. The manager logs into the system and selects to view the timesheet for their employees.
2. The system provides a table of all the employees working, which the manager or owner may select individually at their discretion as well as do some simple calculator math to verify pay.

Sequence Diagram:

View Schedule Scenario:

A manager got conflicting reports about a particular employee working the wrong hours this week. The manager wishes to view the schedule and verify these claims as accurate or false.

1. The manager logs into the system, provides their access code, and then selects to view the schedule for the week.
2. Once verified, the system presents the manager the schedule for the week for every employee.

Sequence Diagram:

Access Payroll Scenario:

It is the first week with this management system. The owner is still unsure if everything is going smoothly so decides to access the payroll to see if the system is paying the proper amount to each employee.

1. The owner logs into the system and selects to see the payroll option.
2. The system verifies it is the owner, then presents the planned pay for the employees.

Sequence Diagram:

Change Password Scenario:

A rival restaurant has decided to do some illegal things to get an advantage. It bribed a current employee to share their login information. However, the employee had regrets and informed the owner. The owner accepts the change of heart and just wants to change the employee's password.

1. The owner enters a new password for this selected employee.
2. The database of the system updates with this new password associated with the employee's login.

Sequence Diagram:

Modify Schedule Scenario:

A hurricane warning has been issued for the county the restaurant is located in. Not wanting to risk the business or the employee's safety, the owner has decided to modify the schedule so that everyone gets a week off.

1. The owner logs into the system.
2. The owner enters new data for the schedule.
3. The system updates the information for everyone's work days.

Sequence Diagram:

Modify Attendance Scenario:

An urgent call came for an employee. The manager now wants to update the employee's attendance in accordance.

1. The manager opens up the employee's attendance record and updates it with a new clock out time.
2. The system records the new information and calculates the pay and other related stats.

Sequence Diagram:

Modify Payroll Scenario:

An employee accidentally came into work on a scheduled day off and clocked in for their shift. The employee realized they were approved to be off on this day. They notified the owner of the mix up and the incorrect clock in.

1. The owner deletes the employee's clock-in for the day.
2. The system stores this new information, recalculating the pay for the week and other variables in the database.

Sequence Diagram:

Generate QR Code Scenario:

For a more secure login. instead of any arbitrary login, the owner gives his employees a QR code to uniquely identify them in the system.

1. The owner inputs a set of values into the system to create a QR code.
2. The system then generates the QR code.
3. The system stores the QR code as a login identifier for the assigned employee.

Sequence Diagram:

Add User Scenario:

A new employee has been hired by the owner. The owner needs to add this employee to the system so that they can view their schedule as well as start getting paid.

1. The owner enters in the necessary information about the new employee.
2. Owner uses Generate QR Code Scenario to create QR Code.
3. The system updates its database of users and allows the new employee access to clock in/clock out and start getting a paycheck.

Sequence Diagram: