

**HOT
DESKING**

**ADMIN
SIDE**

Ravi Bullock

Serena Chen

Damyn Filipuzzi

Suyash Shingare



Project Description

- **Problem:**

Individuals are unable to find available spaces to work on campus

- **Objective:**

To develop an application that will allow users to find and reserve available desks



Project Description

- Administrative components
- Administrators can
 - Manage Resources
 - Manage Users
 - Manage User Roles
 - Manage Bookings
 - Access User Statistics



Client Introduction

- **Bowen Hui**
 - Associate Head Undergraduate
 - Associate Professor of Teaching
 - Point of contact with the Faculty of Science



User Groups

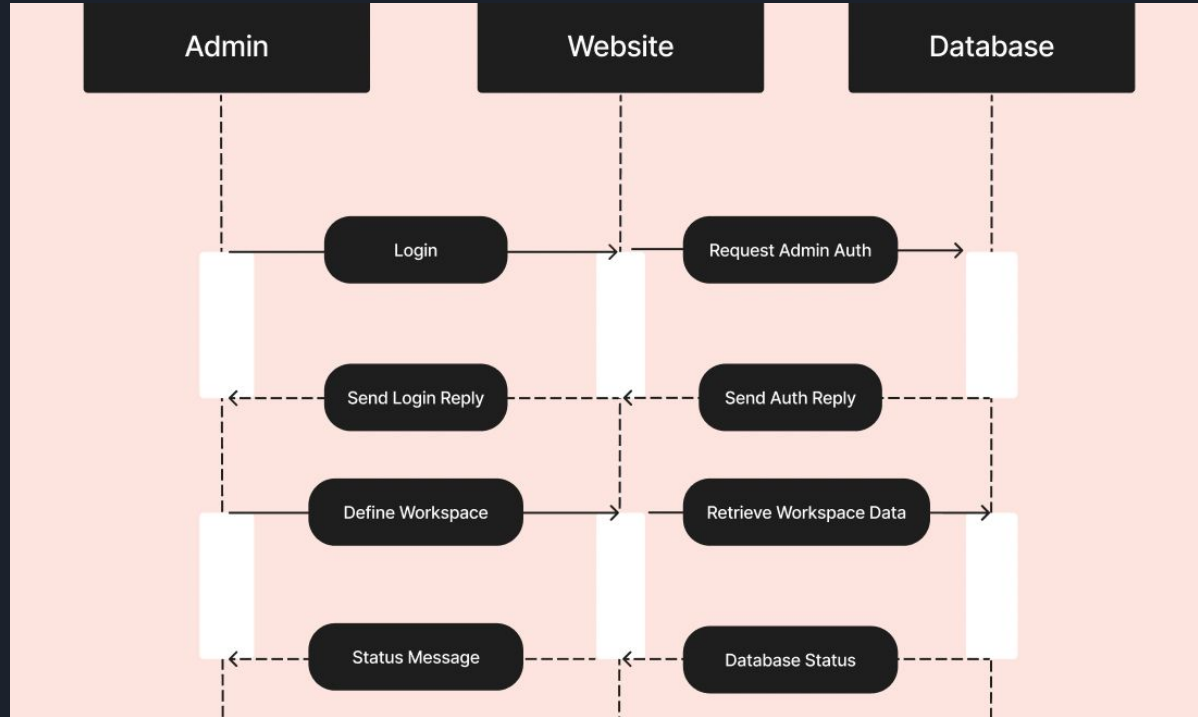
- **Administrators:**
 - Low-level technical literacy



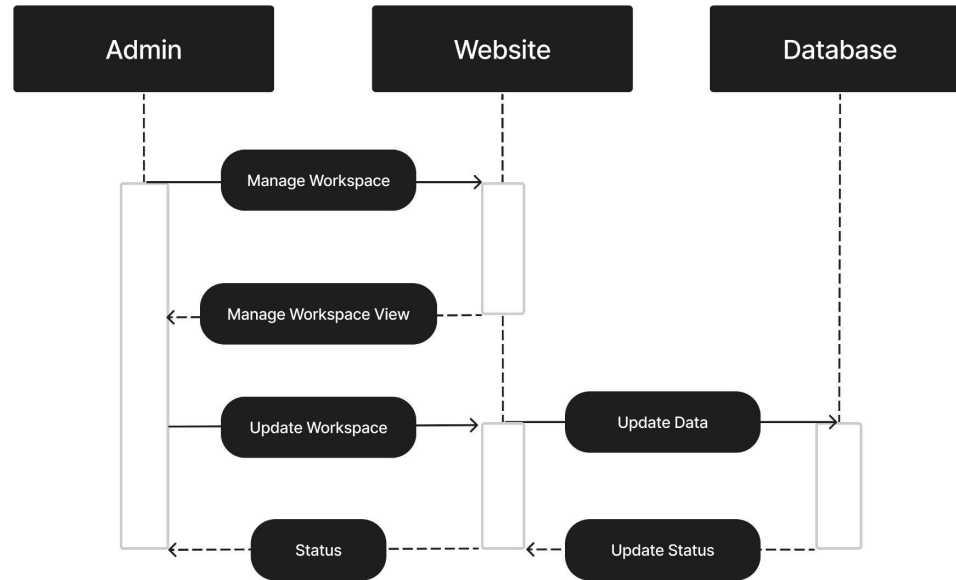
General Use Cases - sequence diagram

- Managing Bookings
- Managing Users
- Managing User Roles
- Managing Resources
 - Workspace Resources (printers, outlets, etc.)
 - Rooms

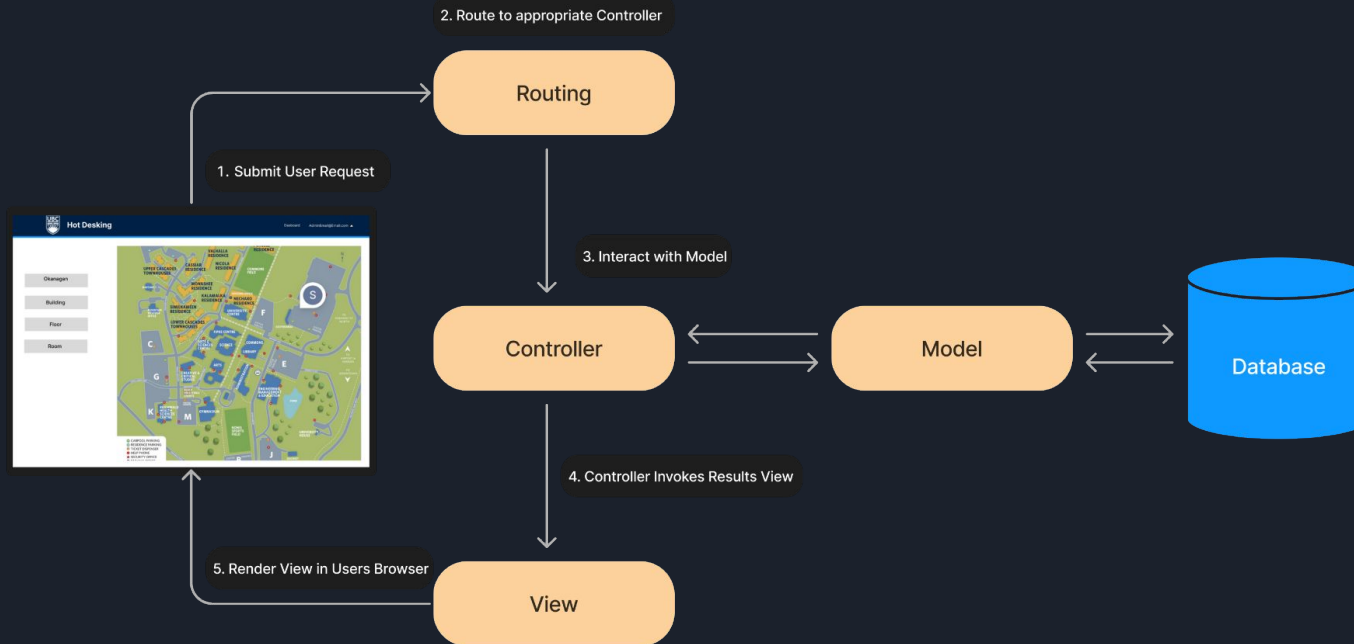
Sequence diagram



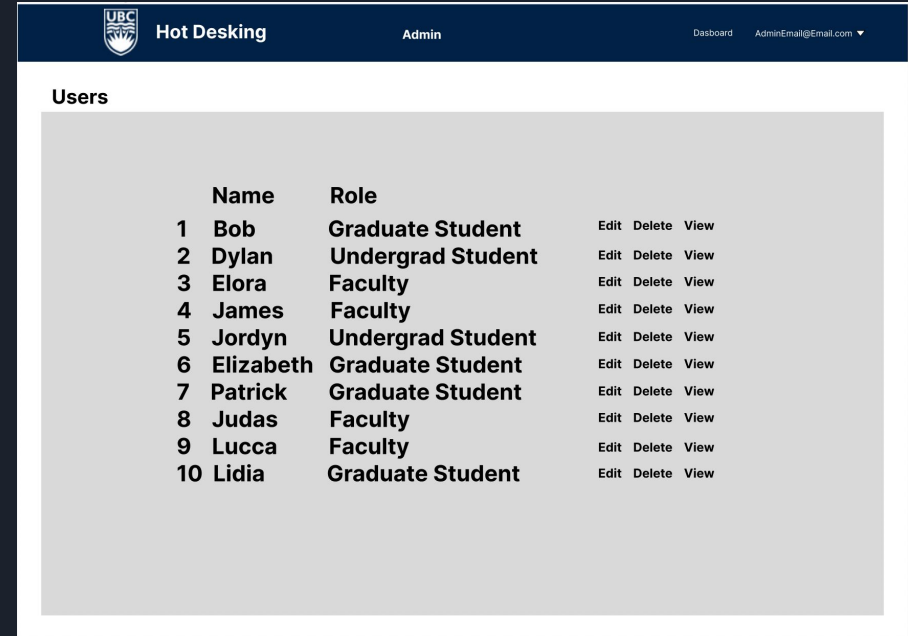
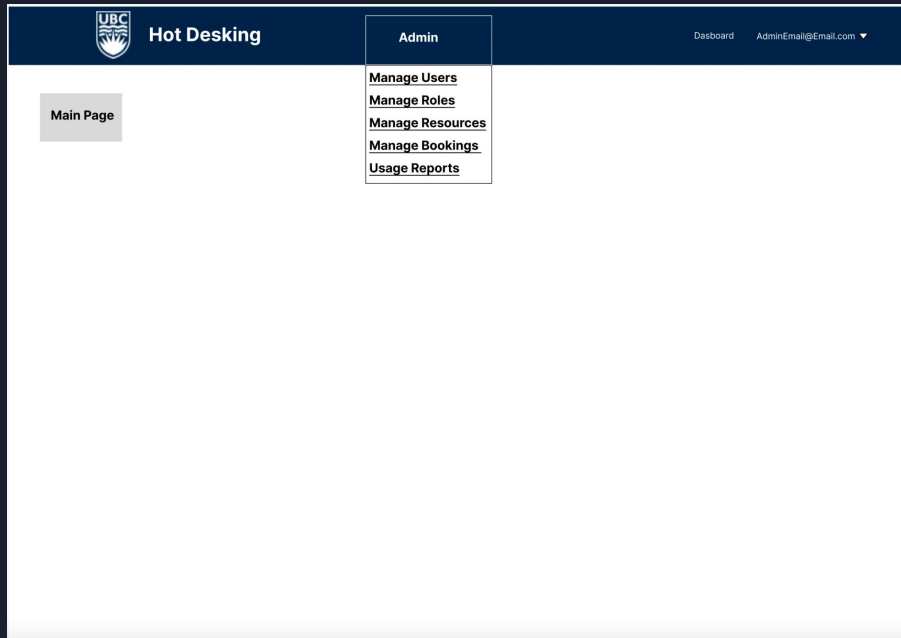
Sequence diagram: Break Down of Managing Workspaces



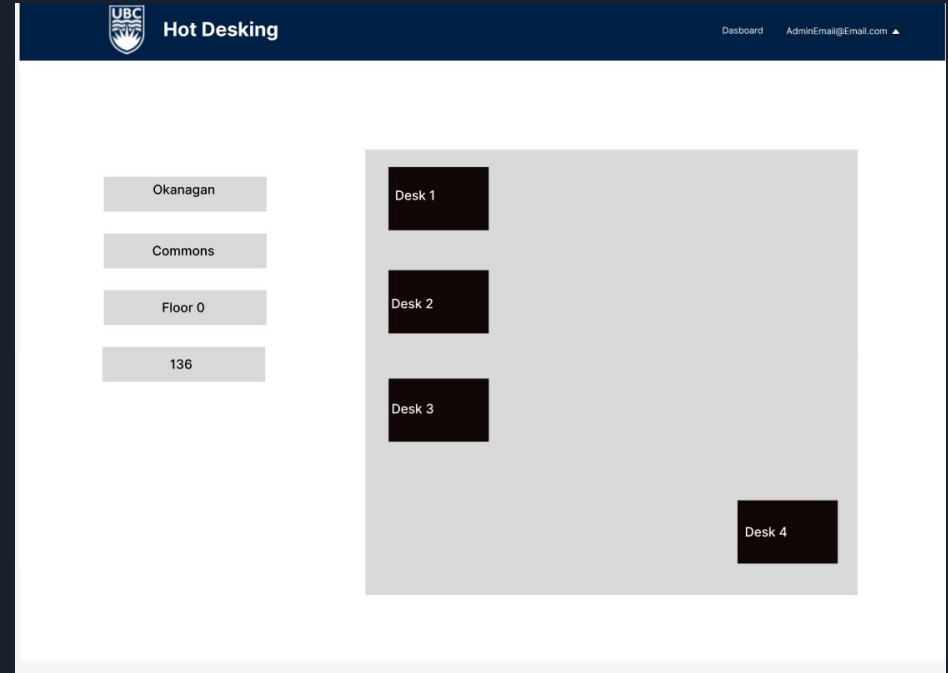
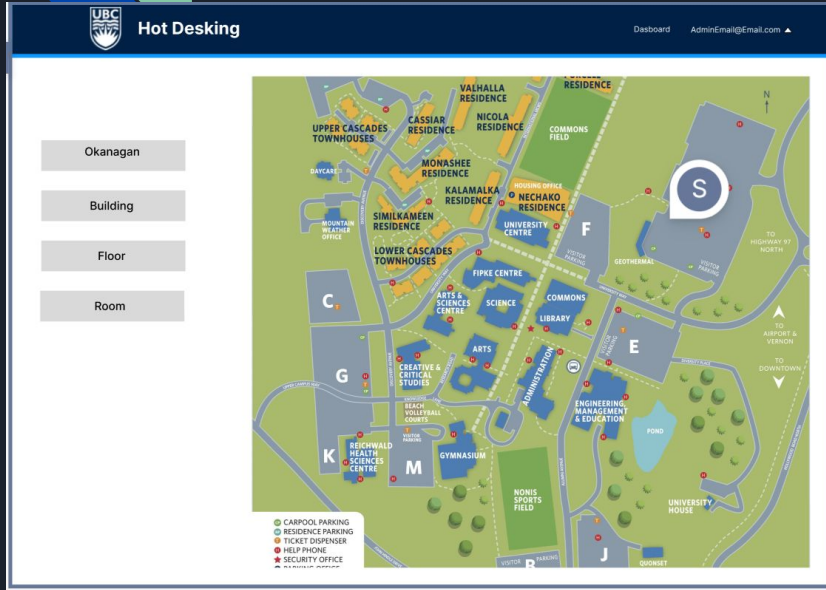
System Architecture - MVC



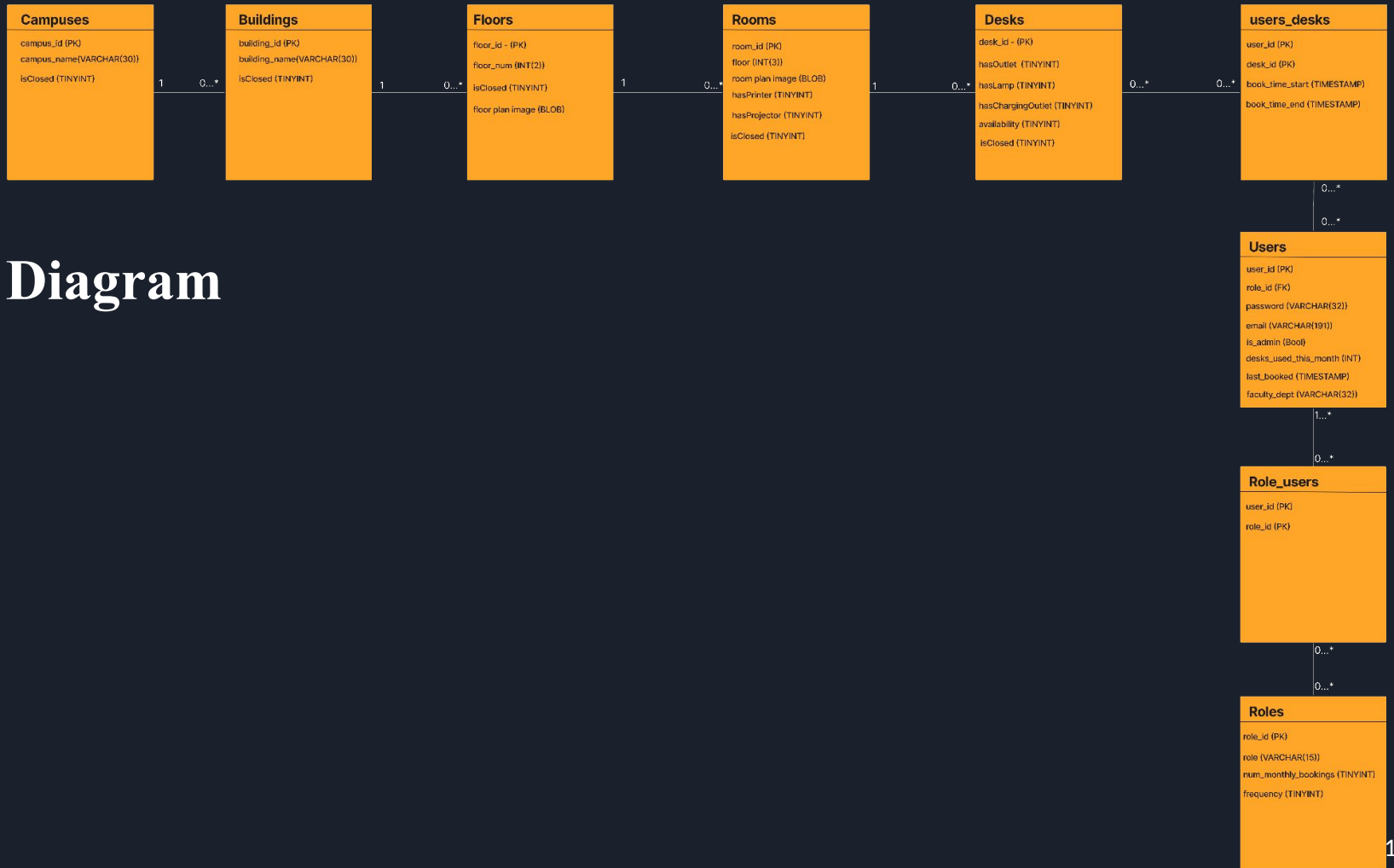
UI Mockup



UI Mockup (contd.)

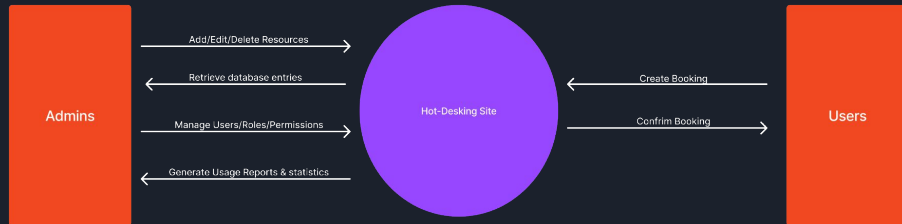


ER Diagram

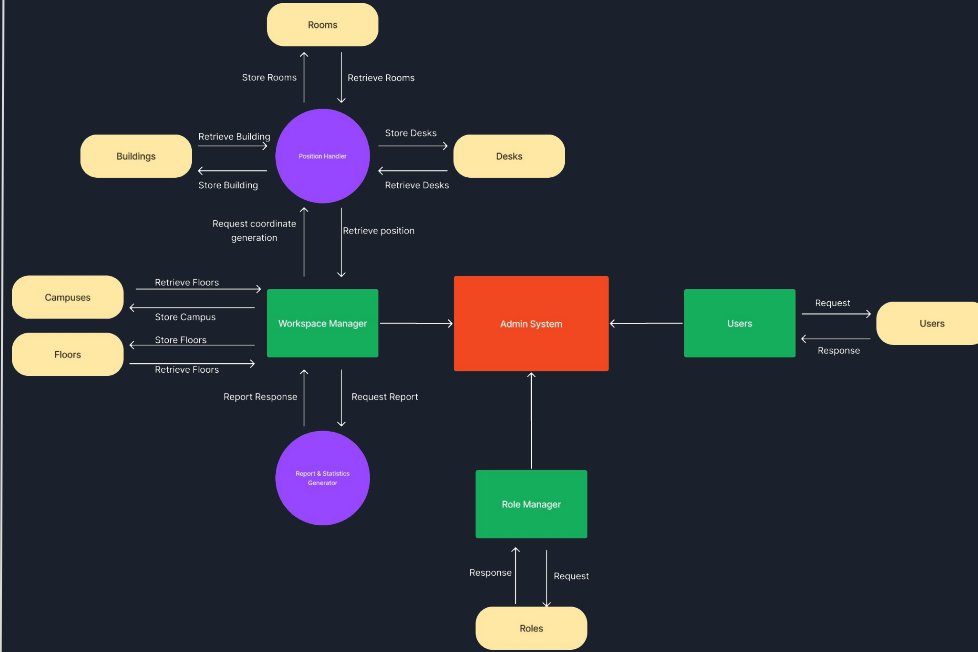


Data-Flow-Diagram

Level 0:

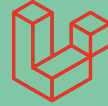


Level 1:



Tech Stack

Laravel



PHP



PHPUnit



Bootstrap



Javascript



PostgreSQL





Test plan

- Unit Testing
- Integration Testing
- System Testing
- Acceptance Testing
- User Testing



Test plan

- **Unit Testing**

- When: throughout the development of the system
- Example: matching database queries

- **Integration Testing**

- When: components are being integrated
- Example: authentication



Test plan

- **System Testing**
 - When: after the system is built
 - Example: system's response time
- **Acceptance Testing**
 - When: throughout the development of the system
 - Example: meets client's expectations



Test plan

- **User Testing**
 - When: after the system is built
 - Example: feedback on completing certain tasks



Thank You!