Night Gaming Café
Project Description

Business Context and Opportunities

The Night Gaming Café (NGC) is a type of internet café which mainly provides a service for people to play online pc games using our up to date Gaming Desktop PCs. It maintains its service by offering a variety of Gaming Desktop PC rooms and a main lobby with a total of 90 Gaming Desktop PCs seats. With the rise and demand for gaming social hubs that is participated by mostly youth, NGC have started its business in Toronto Ontario.

Most revenue would be mainly generated with in the café itself by offering gaming pc services, allowing the members to play online games as well as café events.

Project Result Goals

NGC is confident that there is a high demand for their services. If members of the café could make a booking for a gaming room or seats in the main lobby via an online web application form, sales would exponentially increase. There is also a need for an efficient booking management system, which would help the employee of the café to provide the best and appropriate live service according to the booking day. As well, the seats in the main lobby and other gaming rooms would be track in real-time to check the availability and prepare to be reserve by the members that book on a daily basis.

List of Operations and Capabilities of System

All of the following operations would be available upon first release.

Operations related to Web Application:

- Registration
    a. Create Online Account
    b. Create Member Account
        - Profile

- Authentication
    a. Log In
    b. Log Out

- Booking Management
    a. Add/Update/Delete Booking

- System Support
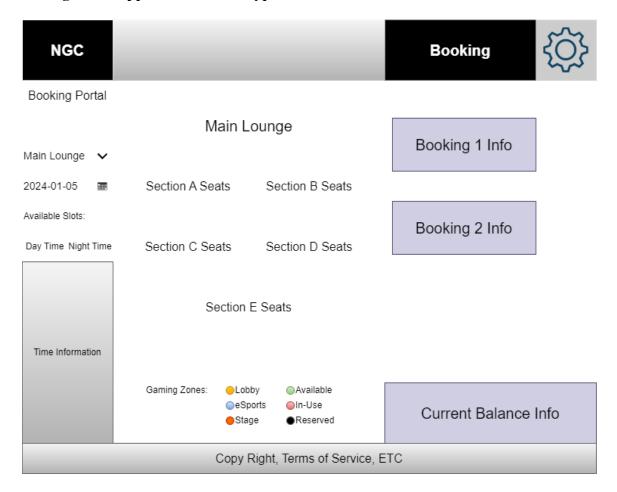   a. Update Member Account
        - Profile

Operations related to API via Management App:

- Booking Management
    a. Add/Update/Delete Booking
    b. Check/Sort Booking
    c. Count Booking

- Room Management
    a. Add/Update/Delete Room
    b. Check Room Availability

- Seat Management
    a. Add/Update/Delete Seat
    b. Check Seat Availability

- System Support
    a. Add/Update Role
    b. Add/Update Employee
    c. Add/Update Member

The following main operations that will always have maintenance, improvements and frequent update in the future depending on the current situations of the café may include:
- Booking Management
- Room Management
- Seat Management

Management App Basic UI Prototype

| NGC | | Booking | ⚙ |

Booking Portal

Main Lounge

Main Lounge ˅

Booking 1 Info

2024-01-05 ▦   Section A Seats   Section B Seats

Available Slots:

Booking 2 Info

Day Time Night Time   Section C Seats   Section D Seats

Section E Seats

Time Information

Gaming Zones: 🟡 Lobby   🟢 Available
                 🔵 eSports   🔴 In-Use
                 🟠 Stage   ⚫ Reserved

Current Balance Info

Copy Right, Terms of Service, ETC

Tables associated with operations

Operations	Supporting Entities

1. Registration
   a. Create Online Account
   b. Create Customer Account
     - Profile
	Account
	Member

2. Authentication
   a. Log In
   b. Log Out
	Account

3. Booking Management
   a. Add/Update/Delete Booking
   b. Check/Sort Booking
   c. Count Booking
	Booking
	Member
	Room
	Cafe

4. Room Management
   a. Add/Update/Delete Room
   b. Check Room Availability
	Room
	Room Type
	Section
	Cafe

5. Seat Management
   a. Add/Update/Delete Seat
   b. Check Seat Availability
	Room
	Room Type
	Seat
	Seat Type
	Section
	Cafe

6. System Support
   a. Add/Update Role
   b. Add/Update Employee
   c. Add/Update Member
	Employee
	Role
	Member