<u>User Story</u>

Requirement: Implement Sign Up, Log-in and CRUD functionality.

Admin:

Epic	User Story	Acceptance Criteria
As an **Admin**, I want to be able to securely login to the system so that my information can only be accessed by me.	As an **Admin**, I want to login with a give username and password so that I can approve /reject a user request	1. Given that I am an **Admin** and logged out, if I go to the log in page and enter my username and password and click on Log in, then the data associated to my user should be accessible. 2. Given that I am an **Admin** and logged out, if I go to the log in page and enter my username but an incorrect password and click on Log in, then log in fails with an error message that specifies that the username or password was wrong.
As an **Admin**, I want to be able to manage the seats available in the office environment.	As an **Admin** I can add, edit or delete new users, floor and seats numbers.	1. Given that I am an **Admin**, I can add new users and seats. 2. Given that I am an **Admin**, I can edit the existing user details. 3. Given that I am an **Admin** I can delete the users and seats.
	As an **Admin**, I want to be able to manage the seat reservations of employees in the office, so that I can ensure social distancing guidelines are followed and the office capacity is not exceeded.	Given that as an **Admin**, I should be able to generate reports on seat utilization, occupancy rates, and other key metrics to help optimize office space usage and improve employee productivity.
As an **Admin**, I have the ability to view, approve, or reject seat reservation requests from employees, and manage seat availability in real-time based on employee schedules and office capacity.	As an **Admin** I can view the details of every user	Given that as I am **Admin**, I can download the log details of the users based on weekly and daily reports so that we can view their complete user status.

As an Admin, I can manage the parking slot for users.		1. Given that as an Admin, When I log in to the parking management system, I should be able to view the availability of parking slots for each day and time. From there, I can select the desired time and parking slot for the employee.
	As an **Admin** in an office, I want to be able to book parking slots for users so that I can ensure that all parking spaces are utilized efficiently and distributed.	2. If there are any conflicts or double bookings, the system should provide alerts and offer alternative options. Additionally, the system should allow me to view and edit all parking bookings and generate reports for future reference.

By having this feature, I can manage the office's parking resources more effectively and reduce parking-related issues and complaints from employees. |

Security User:

Epic	User Story	Acceptance Criteria
As a **Security user**, I want to be able to securely login to the system so that I can validate the seat bookings of the users.	As a **Security user**, I can login with my username and password	1. Given that I am a **Security user** and logged out, if I go to the log in page and enter my username and password and click on Log in, then the data associated to my user should be accessible. 2. Given that I am a **Security user** and logged out, if I go to the log in page and enter my username but an incorrect password and click on Log in, then log in fails with an error message that specifies that the username or password was wrong.
As a **Security user**, I have the access to scan the QR code/security key and verify the user booking details	As a **Security user**, I want to be able to monitor the seat reservations of employees in the office, so that I can ensure the safety and security of the workplace.	Given that I am a **Security user** so I can verify the users and monitor the user's login timings.
	As a security user, I can enter the generated the OTP/security key of the user.	Given that as **security user**, if the scanner is not working then the user can generate the secret key and verify the user details.

User:

Epic	User Story	Acceptance Criteria
As a **User**, I want to be able to securely login to the system so that I can book the seats.	As a **User**, I can login with my username and password	1. Given that I am a **User** and logged out, if I go to the log in page and enter my username and password and click on Log in, then the data associated to my user should be accessible. 2. Given that I am a **User** and logged out, if I go to the log in page and enter my username but an incorrect password and click on Log in, then log in fails with an error message that specifies that the username or password was wrong.
As a **User**, I can book seats by selecting the criteria of weekly and daily basis.	As a **User**, I want to be able to book a seat in advance so that I can ensure I have a comfortable and convenient workspace when I come into the office.	1. I can view the available seats in the office 2. I can view my current and upcoming seat reservations 3. I receive a confirmation email once I have successfully booked a seat.
	As a **User**, I want to be able to select the date and time that I will be in the office so that I can book a seat for that specific day.	1. Given that, I can select a seat based on my preferences, such as location, proximity to colleagues, or equipment required. 2. I can book a seat for a specific day and time
As a **User**, I can view and select the seats based on the booking details.	As a **User**, I can see view the available seats and book it.	Given that as a logged user I can view the available seats and can select and book the seat on the layout
As a **User**, I can select the same seat based on the previous bookings.	As a **User**, I must be able to view my previous booking history.	1. Given that I am a logged user, should be able to view the previous booking logs and if needed can directly book the same seats if it is vacant. 2. If the previously booked seat is unavailable then again, I can book another vacant seat.

As a **User**, I can edit or delete booked seat.	As a **User**, I can modify my previously booked seat.	Given that I am a logged user, when I click on edit option, the user must be able to modify his/her booking seat.
	As a **User**, I can delete the selected seat	Given that I am a logged user, when I click on delete option, the user must be able to delete the booked seats.
As a **User**, I can verify my booking through the QR code or OTP.	As a **User**, I must be able to verify my bookings by displaying the generated QR code/OTP to the security user.	1. Given that I am a logged User as soon as the booking is successful the QR code/OTP gets generated. 2. The QR code or OTP must be verified by the security user and get scanned when I enter the office.
As a **User**, I can edit or delete booked seat.	As a **user** in an office, I want to be able to book a parking slot for my vehicle so that I can have a guaranteed parking space when I arrive at work.	1. Given that as a user, When I log in to the parking management system, I should be able to view the availability of parking slots for each day and time. From there, I can select the desired time and parking slot for my vehicle. 2. If the parking slot I want is already booked, the system should provide alerts and offer alternative options. Additionally, the system should allow me to view and edit my parking bookings and cancel them if needed. By having this feature, I can ensure that I have a parking space when I arrive at work and avoid any inconvenience or frustration related to parking issues.

Requirements:

Admin Modules: -

1. Login Page
2. Registration Page for User and Security User
3. Manage Bookings [Accept, Reject & Pending]
4. Download Log Reports
5. CRUD operations for User.
6. Floor Management
7. Seat Management
8. Parking Management

Security User Module: -

1. Login Page
2. Display User Details
3. View User Details
4. Enter OTP/Security Code

User Module: -

1. Login Page
2. View Dashboard
3. View Profile
4. Settings
5. Notification
6. View available seat.
7. Rebooking the previous seat
8. Flexible Seat booking
9. Book Parking slots.
10. Booking seat based on daily/weekly criteria.
11. Generate QR code/ Security Key.
12. Generate OTP.