

Use Case ID	UC_01
As a	User
I want	Login to the system
So that	The user can make bookings
Requirements	<ul style="list-style-type: none"> • <i>Username exists</i> • <i>Username and password matches the database</i>
Acceptance Criteria	<p>Criterion 1</p> <p><i>When a new user is meant to create a new account, but fills up the username and password, system should return username does not exist exception.</i></p> <p>Criterion 2</p> <p><i>When an existing user fills up the username and password correctly, system should return a login successful response and redirect user to the respective page.</i></p> <p>Criterion 3</p> <p><i>When an existing user accidentally types in wrong username, system should return a username does not exist exception.</i></p> <p>Criterion 4</p> <p><i>When an existing user accidentally types in wrong password, system should return an incorrect password exception.</i></p> <p>Criterion 5</p> <p><i>When an existing user forgets its password, system should allow reset it through its email account.</i></p>

Use Case ID	UC_02
As a	Customer
I want	Register for an account
So that	The user has an account for the system/application
Requirements	<ul style="list-style-type: none"> • <i>Unique username</i> • <i>All required input fields must be in the correct format</i>
Acceptance Criteria	<p>Criterion 1</p> <p><i>When a customer registers with a username that already exists in the system, the system should then return registration failed.</i></p> <p>Criterion 2</p> <p><i>When a customer registers with a mobile number in incorrect format, the system should return registration failed.</i></p> <p>Criterion 3</p> <p><i>When a customer fills up the form completely and correctly, and the username is unique in the system, the system should return registration succeeded.</i></p>

Use Case ID	UC_03
As a	Customer
I want	Make a booking
So that	The customer can make a booking at a specific time
Requirements	<ul style="list-style-type: none"> • <i>Authenticated customer</i> • <i>Booking availability in a specific business</i> • <i>Booking time entered is within business working hours</i>
Acceptance Criteria	<p>Criterion 1</p> <p><i>When a correctly authenticated customer makes an available booking within the business working hours. The system should reserve and make unavailable such time slot in the selected business.</i></p> <p>Criterion 2</p> <p><i>When a customer that has not logged in yet attempts to make a booking, this transaction will not go ahead and the system will redirect the customer to the login page as only authenticated customers are allowed to make bookings.</i></p> <p>Criterion 3</p> <p><i>When a correctly authenticated customer attempts to book a table outside of the business working hours, it will not be allowed by the system. The system should prevent it by restricting time slots bounding them within the business working hours only.</i></p> <p>Criterion 4</p> <p><i>When a correctly authenticated customer attempts to book an unavailable time slot, it will not be allowed by the system. The system should prevent it, by displaying only available tables at the time of booking.</i></p>

Use Case ID	UC_04
As a	Customer
I want	Check available booking slots
So that	The customer can make a booking
Requirements	<ul style="list-style-type: none"> • <i>Authenticated customer</i> • <i>Booking availability</i> • <i>Time entered is within business working hours</i> • <i>Valid date (must not be later than 1 month beyond current date nor in the past)</i>
Acceptance Criteria	<p>Criterion 1</p> <p><i>When a correctly authenticated customer selects a valid date. The system should display available time slots within the business working hours.</i></p> <p>Criterion 2</p> <p><i>When a customer that has not logged in yet attempts to check available tables, this transaction will not go ahead as only authenticated customers are allowed check booking availability. The system will redirect the customer to the login page.</i></p> <p>Criterion 3</p> <p><i>When a correctly authenticated customer selects an invalid date to check tables. The system should throw an invalid date exception and it should display a message to inform the customer.</i></p>

Use Case ID	UC_05
As a	Business Owner
I want	Add a new employee
So that	New employees can be added to the business
Requirements	<ul style="list-style-type: none"> • <i>Authenticated business owner</i> • <i>New employee information: name, TFN, mobile number, activity and availability.</i> • <i>Employee unique TFN</i>
Acceptance Criteria	<p>Criterion 1</p> <p><i>When a correctly authenticated business owner adds an employee providing valid employee personal information and TFN. The system should add the new employee into the database.</i></p> <p>Criterion 2</p> <p><i>When an unauthenticated business owner attempts to add a new employee, the system should prevent this transaction and redirect them to the login page as only authenticated business owners are allowed to add employees.</i></p> <p>Criterion 3</p> <p><i>When a correctly authenticated business owner attempts to add a new employee, but providing invalid employee information. The system should raise an invalid employee information exception and prevent any database update.</i></p> <p>Criterion 4</p> <p><i>When a correctly authenticated business owner attempts to add a new employee by providing an existing TFN. The system should raise an existing employee TFN exception and prevent any database update.</i></p>

Use Case ID	UC_06
As a	Business Owner
I want	Add working times/dates for employees
So that	Employees will be allocated working times/shifts
Requirements	<ul style="list-style-type: none"> • <i>Authenticated business owner</i> • <i>Valid employee.</i> (Registered employee working by the business in question) • <i>Valid date/time (employee availability)</i>
Acceptance Criteria	<p>Criterion 1</p> <p><i>When a correctly authenticated business owner adds an employee shift for next month providing a valid employee and date/time. The system should add the specified shift (date/time) for the given employee into the database.</i></p> <p>Criterion 2</p> <p><i>When an unauthenticated business owner attempts to add working times for an employee, the system should prevent this transaction and redirect them to the login page as only authenticated business owners are allowed to roster employees.</i></p> <p>Criterion 3</p> <p><i>When a correctly authenticated business owner attempts to add a shift for an employee, but providing an invalid employee. The system should raise an invalid employee information exception and prevent any database update.</i></p> <p>Criterion 4</p> <p><i>When a correctly authenticated business owner attempts to add a shift for an employee providing invalid date/time information. The system should raise an invalid shift date/time exception and prevent any database updates.</i></p>

Use Case ID	UC_07
As a	Business Owner
I want	Check the businesses' booking summaries
So that	The business owner can better manage resources and employees
Requirements	<ul style="list-style-type: none"> • <i>Authenticated business owner</i>
Acceptance Criteria	<p>Criterion 1</p> <p><i>When a correctly authenticated business owner checks booking summaries. The system should display all the bookings that were made within a monthly period. Every booking should contain at least: date/time booking and the customer details.</i></p> <p>Criterion 2</p> <p><i>When an unauthenticated business owner attempts to checks booking summaries, the system should prevent this transaction and redirect them to the login page as only authenticated business owners are allowed to check booking summaries.</i></p>

Use Case ID	UC_08
As a	Business Owner
I want	Check employees' availability in the next 7 days
So that	The business owner can allocate working times for employees
Requirements	<ul style="list-style-type: none"> • <i>Authenticated business owner</i>
Acceptance Criteria	<p>Criterion 1</p> <p><i>When a correctly authenticated business owner checks employees' availability. The system should display all employees' availability for the next 7 days.</i></p> <p>Criterion 2</p> <p><i>When an unauthenticated business owner attempts to check employees' availability for the next 7 days, the system should prevent this transaction and redirect them to the login page as only authenticated business owners are allowed to check employees' availability.</i></p>

Use Case ID	UC_09
As a	Business Owner
I want	Make a booking for a registered customer
So that	Such customer can have a booking at a specific time for the business in question
Requirements	<ul style="list-style-type: none"> • <i>Authenticated Business Owner</i> • <i>Registered Customer</i> • <i>Booking availability in a specific business</i> • <i>Booking time entered is within business working hours</i>
Acceptance Criteria	<p>Criterion 1</p> <p><i>When an authenticated business owner books available time slot(s) within the business working hours for a registered customer. The system should reserve and make unavailable such time slot(s) selected by the business owner.</i></p> <p>Criterion 2</p> <p><i>When a business owner that has not logged in yet attempts to make a booking, this transaction will not go ahead and the system will redirect the business owner to the login page as only authenticated users are allowed to make bookings.</i></p> <p>Criterion 3</p> <p><i>When an authenticated business owner attempts to book available time slot(s) on behalf of an unregistered customer, it should not be allowed by the system. The system should prevent it, by displaying only existing customers.</i></p> <p>Criterion 4</p> <p><i>When an authenticated business owner attempts to make a booking for customer outside of the business working hours, it will not be allowed by the system. The system should prevent it by restricting time slots bounding them within the business working hours only.</i></p> <p>Criterion 4</p> <p><i>When an authenticated business owner attempts to book an unavailable time slot on behalf of a customer, it should not be allowed by the system. The system should prevent it, by displaying only available time slots at the time of booking</i></p>