# ASSESSMENT 1

# Team Report

## Group 9

The purpose of the project “eRestaurant Online System” is to exclusively provide a web application which is user friendly and reliable. The application has two modules one for administration and one for customer. The administration module allows the admin of to make changes to website such as updating the menu or managing customer invoices and the customer module allow customers to login into their to view available tables with date and time and making bookings.

## Stakeholder Analysis

## A stakeholder analysis is a process of identifying people involved with the project before the project begins; grouping them according to their levels of participation, interest, and influence in the project; and determining how best to involve and communicate each of these stakeholder groups throughout.

## Release Backlog

The goal of a given release is to deliver a subset of the product backlog, known as the releasebacklog. After identifying which user stories will go into a particular release, the user stories become part of a releasebacklog.

## Release & Iteration Plan

For the release and Iteration plan The team pulls the stories into the sprint backlog from the product backlog and groups them into independent tasks of fewer 8 hours each. From doing this the team should have a detailed map of which user stories will be completed in which sprint.

## Use Case Model

Diagram

Description automatically generated

## Use Case Narratives (Iteration 1 / Sprint 1 only)

**Use Case Name:**Register

|  |  |
| --- | --- |
| **Use Case ID** | U-101 |
| **User Story** | Customer wants to register their account. |
| **Goal** |  |
| **Priority** | High |
| **Actors** | Customer |
| **Pre-conditions** | Customer needs to have a valid email or phone number to register. |
| **Post-conditions** | Customer account will be created. |
| **Trigger** | Customer clicking register button on the website or app. |
| **Main Flow** | 1. Customer goes on restaurant website or app. 2. Customer clicks on register account. 3. System displays register profile page. 4. Customer enters first and second name. 5. Customer enters their email. 6. Customer enters their phone number. 7. Customer enters home address. 8. System sends validation email to customer. 9. Systems creates customer account. |
| **Exceptions** | 8.1 – If customer fail to validate their email address their account would not be created. |
| **Includes/Extends/Inherits** |  |
| **Supporting Information** |  |
| **Non-functional Requirements** | * As a customer I want to be able to register into my account from iOS, Android and Brower |

|  |  |
| --- | --- |
| **Alternate Flow 1** | 1. Customer goes on restaurant website or app. 2. Customer clicks on register account with google or Facebook. 3. System redirects customer to Facebook login page. |
| **Trigger** | Customer clicking on register with Facebook button. |
| **Step** | 1. Customer enters their login details with Facebook page. 2. Systems closes login page redirects customer to their account. |
| **Post-conditions** |  |
| **Exceptions** | * Customer unable to login into their Facebook account. |

**Use Case Name:**Login

|  |  |
| --- | --- |
| **Use Case ID** | U-201 |
| **User Story** | Customer wants login into their account. |
| **Goal** | To make a booking or update their details. |
| **Priority** | High |
| **Actors** | Customer |
| **Pre-conditions** | Customer must an account. |
| **Post-conditions** | Customer gets access to their account. |
| **Trigger** | Customer Clicks on login button on website or app. |
| **Main Flow** | 1. Customer clicks on login button. 2. System displays login page. 3. Customer enters email and password. 4. Customer clicks on login button. 5. System verifies their account. 6. Customer gets access to their account. |
| **Exceptions** | 1. Customer enters wrong email. 2. Customer enters wrong password. 3. Customer doesn’t have an account. |
| **Includes/Extends/Inherits** |  |
| **Supporting Information** |  |
| **Non-functional Requirements** | * As a customer I want to be able to login into my account from iOS, Android and Brower |

|  |  |
| --- | --- |
| **Alternate Flow 1** | 1. Customer goes on restaurant website or app. 2. Customer clicks on login account with Facebook. 3. System redirects customer to Facebook login page. |
| **Trigger** | * Customer clicks on login with Facebook. |
| **Step** | * Customer is redirected to Facebook login page. * Facebook verifies their login details. * System redirects customer to their account. |
| **Post-conditions** |  |
| **Exceptions** | * Customer unable to login into their Facebook account. |

**Use Case Name:**Menu

|  |  |
| --- | --- |
| **Use Case ID** | U-401 |
| **User Story** | Customer wants to view the menu. |
| **Goal** |  |
| **Priority** | High |
| **Actors** | Customer |
| **Pre-conditions** | * Customer must have logged on (see login use case) |
| **Post-conditions** | * Customer views the menu. * Customer can filter the menu based on the ingredients. |
| **Trigger** | Customer clicks on menu button from their account |
| **Main Flow** | 1. Customer clicks on menu button. 2. Systems displays the menu page. 3. Customer filters their preferred ingredients. 4. Systems updates the menu according with customer’s preferred ingredients. |
| **Exceptions** | * Customer fails to login into their account (see login use case) |
| **Includes/Extends/Inherits** | * Includes use case 4.4 Menu use case. |
| **Supporting Information** |  |
| **Non-functional Requirements** | * As a customer I want to able print the menu |

## Non-Functional Requirements (NRF’s)

Describe and list the non-functional requirements of the project.

## Architecture Solution Options & Evaluation

Architecture used for Data and Application.

Application and Data architecture refers to how the organization's software applications are assembled as part of its overarching enterprise architecture and how those applications interact with each other to meet business or user requirements.

## Architecture Solution Model Diagram

A diagram of the chosen architecture solution for the project with how the different parts of the architecture are connected and related (See Canvas for an example).

3 levels of architecture required:

* Project
* Release
* Iteration

## Technology Stack, Proposed Solution

The application is buildup of following tech stacks.

For website

* HTML is used for the structure of the website and its content.
* CSS is used for website style like its color, font, sizes and positioning.
* JavaScript is used to make the website work in the backend.

For iOS and Android

* Swift is used for iOS application.
* Java is used for android application.

For Server Side

* SQL is used for the database of application.

## Contribution Table

|  |  |
| --- | --- |
| **Student Number** | **Completed Tasks** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |