Logo

Description automatically generated

**Course Name:** Computing with Software Development

**Year/Group:** Year 4

**Module Title:** Final Year Project

**Project Topic:** Virtual Learning Environment (VLE)

**Project Coordinator:** Margaret Finnegan

**Project Supervisor:** Ben Walsh

Feature Log

**Student Name:** Keneith June Atillo

**Student Number:** X00190944

**Student Email:** X00190944@mytudublin.ie

Table of Contents

[Feature Log Table 3](#_Toc182064209)

[Status Legend 3](#_Toc182064210)

[Iterations 4](#_Toc182064211)

[Iteration 1 4](#_Toc182064212)

# Feature Log Table

## Status Legend

* **Pending**: The feature is scheduled for development but has not started yet.
* **In Progress**: The feature is currently being developed.
* **Complete**: The feature has been fully developed and integrated into the project.
* **Wishlist**: The feature is considered for future development if time permits but is not currently prioritised.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Name** | **Description** | **Priority** | **Status** |
| F00 | Application Prototype | Basic demonstration of sending and retrieving data. Includes basic input fields in Angular application using ASP.NET Core API that fetches data from database to display in the UI. | High | Complete |
| F01 | User Registration | Allow new users to create accounts | High | In Progress |
| F02 | User Login | Allow registered users to login to their accounts | High | Pending |
| F03 | User Logout | Allows logged in users to log out | High | Pending |
| F04 | Course/Module Creation | Allows admins/instructors to create and configure course/module | High | Pending |
| F05 | Course/Module Enrolment | Allows students to browse, search, and enrol in courses/modules | High | Pending |
| F06 | Content Delivery | Allows instructors to upload and manage course/module materials | High | Pending |
| F07 | Assignment Creation | Allows instructors to create assignments | High | Pending |
| F08 | Assignment Submission | Allows students to submit assignments | High | Pending |
| F09 | Quiz Creation | Allows instructors to create quizzes | Medium | Pending |
| F10 | Quiz Auto-Grading | Automatically grades multiple choice quizzes after completion | Medium | Pending |
| F11 | Dashboard Analytics | Displays metrics on user dashboard | Medium | Pending |
| F12 | Real-Time Notification | Sends real-time notifications such as new contents and assignments, grades, and deadlines | Medium | Pending |
| F13 | Chat System | Provides real-time messaging between users | Low | Wishlist |
| F14 | User Profile | Allows users to create/update their own profile and view user profiles | Low | Wishlist |
| F15 | Gamification | Implements gamification such as badges and leaderboards | Low | Wishlist |

# Iterations

## Iteration 1

|  |  |
| --- | --- |
| **Iteration 1** |  |
| Date of Milestone | 09/11/2024 |
| Features in Scope | Application Prototype (Angular UI, ASP.NET Core API) |
| Features Implemented | Application Prototype (Angular UI, ASP.NET Core API) |
| Features in Deficit | N/A |
| Iteration Comments & Summary | A simple Angular UI is created with a couple of fields for user input. Basic API (GET and POST) is also created which is used to send data to the database and retrieve it to display in the UI. Database is in local but will be migrated to Azure SQL at later stage of the development. Database schema currently being planned then moving on to next features. |