**Project Identification**

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| --- | --- |
| **Project:** | Group #20 – Online Quiz Application |
| **Prepared By:** | James Tory |
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**Referenced Documents**

This document refers to the following materials

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version number** | **Title** | **Author** | **Date** | **Source / Location** |
| 0.3 | *F22 T20 Personas and User Stories* | Emmanuel Ko | 2022/10/02 | Team OneDrive |

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version Number** | **Revision Date** | **Summary of Changes** | **Modified by** |
| 0.1 | 2022/10/07 | First draft | James Tory |
| 0.2 | 2022/10/10 | Added additional backlog items | James Tory |
| 0.3 | 2022/10/11 | Created sprint 1 backlog | James Tory |

Table of Contents

[Product Backlog 3](#_Toc116413513)

[Sprint Backlog 5](#_Toc116413514)

# Product Backlog

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Priority | Product Backlog Item | User Story # | Sprint # | User Story | Story Points |
| 1 | Database Creation | 4 | 1 | As a high school teacher, I want a to use an online tool that stores all information online to so that a distributing and marking quizzes takes less time. | 30 |
| 2 | Quiz Creation Interface | 5 | 1 | As a high school teacher, I want an interface for creating quizzes so I my students can take quizzes online. | 60 |
| 3 | Quiz Marking Backend | 2 | 1 | As a high school teacher, I want to not have to deal with long hours of marking, so that I can spend as much time as I can with my family. | 25 |
| 4 | Quiz Response Interface | 14 | 2 | As a student, I want to be able to access my homework on a portable device, (laptop/smartphone) so that I can do work when I am outside school or home. | 60 |
| 5 | Quiz Score Page | 17 | 2 | As a student, I want instant marking feedback when taking quizzes so I can immediately understand what areas I need to focus on studying. | 20 |
| 6 | User Registration | 11 | 2 | As a student, I want to be able to log into the quiz application with an account so I can take quizzes. | 20 |
| 7 | Class Invite Page | 9 | 3 | As a teacher, I want to be able to invite all my students in a class to use the application with a list of emails to make the integration faster.” | 30 |
| 8 | User Profile | 10 | 3 | As a teacher, I want a profile page where I can view all my classes and the quizzes that I have assigned so that it I can organize my work between the different classes. | 30 |
| 9 | Quiz Library | 7 | 3 | As a high school teacher, I want to be able to save quizzes I have created so I can re-use them later. | 40 |
| 10 | User Grade Page | 15 | 4 | As a student, I want to be able to see my grades from previous quizzes so I can track my progress throughout the class. | 30 |
| 11 | Instructor Grade Page | 8 | 4 | As a teacher, I want to be able to view and export the grades for all my students so I can incorporate the results into their overall assessment. | 50 |
| 12 | User Schedule Page | 16 | 4 | As a student, I want to be able to see my upcoming quizzes so that I can plan my study time effectively. | 20 |
| 13 | Quiz Code Invite | 21 | 5 | As an HR manager, I want to be able to invite applicants to join a quiz using a unique code so that I can host quizzes without creating a class. | 40 |
| 14 | Email Reminder | 18 | 5 | As a student, I want to receive email reminders for upcoming quizzes so that I will not miss any assessments. | 25 |

# Sprint 1 Backlog

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Product Backlog Item | User Story # | Tasks | Total Points | Points Rem. | Status |
| Database Creation | 4 |  | 30 | 30 |  |
|  |  | Create database model (ER diagram) based on system requirements |  |  | To-Do |
|  |  | Create new SQL server |  |  | To-Do |
|  |  | Create tables based on ER diagram |  |  | To-Do |
|  |  | Implement classes for object-relation database mapping |  |  | To-Do |
|  |  | Test database relationships by entering dummy data |  |  | To-Do |
| Quiz Marking Backend | 5 |  | 25 | 25 |  |
|  |  | Create dummy quiz in database for testing purposes |  |  | To-Do |
|  |  | Implement backend classes for receiving question response from the user and comparing with the correct response |  |  | To-Do |
|  |  | Implement command line interface for testing purposes |  |  | To-Do |
|  |  | Store quiz results in database table |  |  | To-Do |
|  |  | Test interface using CLI to find any bugs |  |  | To-Do |
| Quiz Marking Backend | 3 |  | 60 | 60 |  |
|  |  | Create wireframe for quiz creation interface |  |  | To-Do |
|  |  | Create backend classes that handle storing created quiz question in the database |  |  | To-Do |
|  |  | Implement wireframe design with frontend framework |  |  | To-Do |
|  |  | Test interface by creating quizzes and verifying the data was correctly saved in the database |  |  | To-Do |