

International School

**Capstone Project 2**

CMU-SE 451 – C2SE.28

**User Story**

**Version 1.0**

**Date: March 16th, 2025**

**Classroom Teaching and Trivia Platform**

**Created by C2SE.28**

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**PROJECT INFORMATION**

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| **Project acronym** | **NQUIZ** | | |
| **Project Title** | Classroom Teaching and Trivia Platform | | |
| **Start Date** | 16 Mar 2025 | **End Date** | 18 May 2025 |
| **Lead Institution** | International School, Duy Tan University | | |
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**REVISION HISTORY**

|  |  |  |  |  |
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| **Version** | **Date** | **Comments** | **Author** | **Approval** |
| 1.0 | March 16th, 2025 | Initial Release | All members |  |

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1. **User Stories** **for user**
   1. **Admin**

**Table 1.** User stories for admin

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **As a/an** | **I want to ...** | **so that ...** | **Acceptance Criteria** |
| 1 | Admin | Manage information user | I can add new user to the website / add, delete, edit accounts | Must login correct email admin password |
| 2 | Admin | Log in with my username and password | The system can authenticate me and I can trust it | Enter the correct email and password |
| 3 | Admin | View dashboard | I can have an overview of the users and activity on the system | Must login correct email admin password |

* 1. **User**

**Table 2.** User stories for user

| **ID** | **As a/an** | **I want to ...** | **so that ...** | **Acceptance Criteria** |
| --- | --- | --- | --- | --- |
| 1 | User | Register by creating a username and password | The system can remember me and my data. | -The registration form requires a valid username and password.  -After successful registration, the system automatically logs the user in. |
| 2 | User | Log in with my username and password | The system can authenticate me and I can trust it | -The system authenticates the login credentials correctly.  -If incorrect, the system shows an error message. |
| 3 | User | Generate quiz questions using AI | Save time and ensure high-quality questions | -The system allows the user to choose a topic and question format.  -AI generates relevant, high-quality questions for the quiz. |
| 4 | User | Choose different question types | Make quizzes more engaging and flexible | -The system lets users select various question types (e.g., multiple choice, true/false).  -The selected question type is implemented correctly in the quiz. |
| 5 | User | Host and join quizzes in real-time | Participate in interactive learning sessions | -The user can host or join a quiz session in real-time.  -A unique game PIN or QR code is provided for participants to join. |
| 6 | User | Access quizzes at my own pace | Learn independently without a live session | -Users can access and take quizzes asynchronously.  -The system tracks and saves progress automatically. |
| 7 | User | View reports on my participation and scores | Track progress and improve learning outcomes | -After completing a quiz, the system shows a detailed report of scores and participation.  -The report includes performance data, such as correct/incorrect answers. |
| 8 | User | Join quizzes using a game PIN or QR code | Quickly access quizzes without account setup | -A unique PIN or QR code is generated for each quiz session.  -Users can join the quiz by entering the PIN or scanning the QR code. |
| 9 | User | See real-time feedback, leaderboards, and rewards | Stay engaged and motivated | -Real-time feedback is shown during the quiz.  -A leaderboard is updated live, displaying top participants and rewards are given after the quiz. |
| 10 | User | Get AI-generated questions that adjust dynamically | Have a personalized learning journey | -AI generates questions that adjust based on user performance.  -Questions become harder or easier depending on the user's performance. |
| 11 | User | Use the platform on desktop, mobile, and tablets | Access quizzes from any device | -The platform is fully accessible on desktop, mobile, and tablet devices.  -The interface adapts to different screen sizes without losing functionality. |

1. **System Architecture**

Reference to C2SE.28\_ArchitectureDesign\_NQUIZ\_ver1.0

1. **Product Backlog**

Reference to C2SE.28\_ProductBacklog\_NQUIZ\_ver1.0

1. **References**

[1]. Scrum Process: A gentle introduction - https://scrumguides.org/

[2]. Scrum Guide - https://scrumguides.org/scrum-guide.html

[3]. https://en.wikipedia.org/wiki/Scrum\_(software\_development)