

## **Testing Document**

### **Initial Project idea Testing**

We initially proposed developing an AI model to assist in diagnostics, aiming to alert doctors to potential diseases and reduce the risk of critical conditions being overlooked. This would ultimately improve patient outcomes and increase healthcare efficiency. However, during the testing phase, we encountered several challenges. We struggled to find reliable testing data for training the AI model, and we were uncertain about the model's accuracy. Additionally, we realized that without industry partners to provide feedback and help refine the project, our application might not be widely adopted. Given these uncertainties, it became clear that the initial idea faced significant roadblocks, leading us to pivot to a new concept inspired by the guest speakers.

### **Test Strategy**

At this stage we are validating the architecture and certain elements of the user interface of our project. Our current goal is to ensure that our user interface looks like our Figma prototypes that we have designed. In the future we will be testing to make sure that students can create and login to their accounts to make a character. Additionally, we want to make sure that the admin (teacher) can create guilds by adding and removing students. It is also important to confirm that students can view their current level, experience, gold, and hearts. We want to make sure that the leaderboard functions properly and displays the correct information. Furthermore, we will test and verify that the reward shop functions properly by allowing the admin to set the rewards and prices and allowing the students to

purchase these rewards. At our current stage, user testing will be prioritized over unit testing to verify that the overall user experience flows well so far. We will also take into consideration the user feedback and use it to iterate our design to meet our client's needs. For now, the main goal is to confirm that the scaffolding will support the functionality that we outlined in our project's scope.

### **Test Scenario**

Right now, we are verifying that our requirements meet our clients' expectations. Additionally, we want to make sure that the architecture for the main sections of our project is established and that elements of our user interface align with the designs in our Figma prototypes.

### **Test Case and Results**

We conducted a meeting with our two clients, who are elementary school teachers, to review our requirements documentation. They have told us that they are satisfied with how the project is progressed and have confirmed that everything looks great so far. As of right now, we have just developed a dashboard page. The login, logout, settings leaderboard, reward shop, admin, and random event page are still pending implementation.