

A5 - Test Report

Software name: Crowd Quizmaker

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Scope:

Our software (Crowd Quizmaker) will be a cross-platform (Windows, MacOS, iOS, Android) web application that lecturer (or quiz admin) can create a quiz topic and students (or anyone - as quiz contributor) can contribute to a quiz - create, answer and review. Any users can be quizzes admin and/or quiz contributor and quizzes topic doesn't need to be academic purpose. Quizzes admin can specify what can quizzes contributor do.

Test Scope:

- Item to be tested
 - Desktop UI
 - Sign up function
 - Log in function
 - Create Quiz Topic function
 - Create Quiz (multiple choice format) function
 - Setting allowance of Quiz function
 - Manage Quiz function
 - Delete Quiz function
 - Attempt Quiz function
 - Log out function

- Item not to be tested
 - Cross platform UI
 - Review Quiz function
 - Create Quiz (Subjective format) function
 - Multiple correct choice function
 - Quiz Info show function

Test exit criteria:

- Login and sign up authentication are working correctly
- UI and UX are satisfying the user
- Completing all specified types of testing with minimum number of errors, failures etc.
- Achieving a specified number of successful test cases

Test overviewed:

- Unit Testing
- System Testing
- Integration Testing
- Acceptance Testing

Test Types:

- Unit Testing
 - Test techniques : White Box Testing
 - Description : Each unit tested by the developer to test that unit working correctly.
 - Tester : Developer

- System Testing
 - Test techniques : Black Box Testing
 - Description : Done by the testing team by setting input randomly to check the return is according to requirement.
 - Tester : Testing Team

- Integration Testing
 - Test techniques : Big-bang testing
 - Description : Done by the testing team by running applications and trying all functions that integrate.
 - Tester : Testing Team

- Acceptance Testing
 - Test techniques : Alpha Testing, Beta Testing
 - Description :
 - Alpha testing is done by testing team by run a real-time scenario of quiz contributor and student
 - Beta testing done by TA
 - Tester : Testing Team, TA

Result:

- Unit Testing :
 - Found some bugs and the developer already fixed it.
- System Testing :
 - No holes detected, Already fix all holes.
- Integration Testing :
 - All linked modules work normally.
- Acceptance Testing :
 - Alpha test application works almost normally but still has some bugs in some functions.
 - Beta test application working normally.

Recommendation:

Base on the results of the testing effort, the following recommendation are provided:

- Tester team should provide more testing techniques and more tests to verify the quality and reliability of the software.
- Tester team should provide more clear information to the developer team. This can be improved by providing more meetings or making a minor test document.

Summary:

The software testing effort for Crowd Quizmaker has been completed and the results are summarized in this report.

The overall results of testing indicate that the software performs well. However, several defects were identified during testing, which have been documented and reported to the developer to fix the problem.

The testing process was conducted using only manual testing techniques, including unit testing, system testing, integration testing and acceptance testing.

The testing team encountered several challenges during the testing process, including lack of communication, diversity in the testing environment and inadequate testing, which affected the testing effort.

Overall, the testing effort was successful in identifying defects and areas for improvement in the software.