

4. Summary

Math Match Up has had extensive testing done. We have done unit tests to ensure that all functions produce the expected output. These tests allowed us to work on the front end application with a lot less stress.

Our integration tests allowed us to test how different pages of our application communicated with each other. Through these tests, we were able to successfully determine how data was transferred from and to different files and pages. These tests were valuable in making sure persistent data was present across all pages.

Validation tests helped us determine the quality with which we were delivering with our required features.

Finally, our system tests allowed us to find bugs that were system-specific to the Windows OS.

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Term	Definition
Unit Tests	Tests for the back-end classes of the program
Integration Tests	Tests for testing interactions between aspects of the software
System Tests	Testing between different operating systems (MacOS, Windows)
JUnit Tests	Testing software implemented in Java; used for Unit tests
Integration Testing	Starting from the top level of software and testing down
Validation Tests	Tests to test all functional requirements