Table 1: Revision History

Date	Developer(s)	Change
Oct. 26, 2016	Christopher, Varun	Initial test plan

SE 3XA3: Test Plan
Spann

Team 8
Christopher Stokes — stokescd
Varun Hooda — hoodav

1   Structural Tests

In order to ensure our application functions as expected we will perform structural or white-box testing. Since our application has two major parts, the front end UI and the back end server, we will need different ways to test each.

To test the front end, structurally, we will make use to XXXXX. This will allow us to be confident our front end JavaScript code is functioning as we indent it to and identify any flaws or bugs ??therein??.

To test the back end, functionally, we will make use of XXXX. XXXX will allow us to be confident our back end C# code and SQL queries are functioning as we indent and identify any flaws or bugs ??therein??.

2   Functional Tests

Testing the front end and back end code using a white-box testing approach allows us to validate our code, but in order to test the functionality as specified by the Software Requirements Document we will need to use a functional testing approach.

To test the front end, functionally, we will make use to XXXXX. XXXX will allow us to test the functionality, as specified by the software requirements document without knowing the exact code that is performing underneath.

To test the back end, functionally, we will make use of XXXX. XXXX will allow us to perform API requests and validate the responses we get back, again, without concern for the exact code that is computing the results.

3   Unit Tests

Unit testing will be performed for both the front end and the back. Specifically, for the front end we will be using XXXX for the individual UI components. And for the back end we will be using XXXX which allows us to perform unit tests on individual blocks of server code.

4 Static Tests

5 Dynamic Tests

6 Manual Tests

Manual testing will ??begin to be performed once the application is nearing its final form?? and the major features and components are in place. To perform manual testing, the application will attempt to be used in its intended form and the purpose of the tests will be to ensure the application is both usable and perform as expected during regular usage.

7 Automated Tests

8 Performing Tests

how tests will be performed

9 Performing Automated Tests

how automated tests will be performed

10 System Specific Tests

11 Usability Tests

12 Testing Schedule

13 Code Coverage