Testing Plan

CSE 201, Group 3

**Gray Box/Integration Tests: Zach/Aaron**

Test 1: Password recovery and then logging in afterwards

Trace following in code to get expected results and then test using site to get results

1. Create account
2. Should send email to account email that is input
3. Check to see if email was sent
4. Record results

Test 2: Search Game and the Load comments for that game\

Trace following in code to get expected results and then test using site to get results

1. Enter Search criteria into bar
2. Hit search button
3. View results
4. Go to the comments and see if we can load them/view them
5. Record results

Test 3: Sorting games, can we switch sorting after we sort etc.

Trace following in code to get expected results and then test using site to get results

1. Sort the games on site
2. Attempt to see if we can change how they are sorted
3. Record results

Test 4: Login and logout

Trace following in code to get expected results and then test using site to get results

1. Login or create account if necessary
2. Logout
3. Record results

Test 5: Logging in with admin and viewing the requested games

Trace following in code to get expected results and then test using site to get results

1. Login with admin account
2. Navigate to requested games
3. View info
4. Record results

**White Box/Unit Tests: Issac**

Test 1: Check whether the search function of the system is work correctly, which means the returning result should be as exactly same as we expected.

1: Have an arbitrary name of the game or platforms.

2: Look at database and write down the output our app should return.

3: Go to API site, input the name picked, and check if the output objects are the same as prediction.

4: Go to lunched browser, input the game name, and check if the output table is the identical with result of API and expected.

Test 2: Check sort functions whether is working correctly or not

1: Look at the database, sort database by hand and write the expected output

2: Go to API site, run only the API that sort function is working with, compare the response data with expectation

3: Go to website, click sort button on the page, and compare the result with previous run and predicted output.

Test 3: Check comment function whether is working or not

1: Lunch website, leave a new comment with a fixed account.

2: Go to database, see if comment is really inserted into the table called comment.

3: Compare content of data input and stored in database.

**Black Box/System Tests: Brendan/Ben**

Test 1: From the main page, create an account then change the password to your account. After that logout then log back in with the new password.

Test 2: From the main page, navigate to addGame then complete the form and add a game.

Test 3: From the main page, click ‘Load Games’ then use all five sort buttons.

Test 4: From the main page, use the search bar to search for a game in the database.