

**Test Plan - MyStudentApp**

**Prepared by:** Kara Maedje and Hajra Rizvi

**Testing Focus:** This test plan is designed for the user to test that the Login System and process of reading the data files are working correctly. It will as well, focus on ensuring that the program responds correctly when the user does everything they **should** do.

**\*NOTE: This is not yet the final stage of our application!! It has yet to reach its full potential.... There are various features to still be implemented such as loading animations between loading periods, graphics on each window, re-usable button functionality on the main My Account Menu and more. Please take these factors into consideration during your evaluation.**

**Name of Tester:**  **Date Test Cases Executed:**  \_\_\_\_\_\_\_\_\_\_

**Valid Usernames and Passwords for Testing:**

* **Username:** 667190 **Password:** uzsai26j
* **Username:** 411930 **Password:** khwuhqkj
* **Username:** 973195 **Password:** xlbwiz95
* **Username:** 384637 **Password:** lyutruro

**Username and Passwords Expected Data Results:**

* **Username:** 667190 **Password:** uzsai26j

**HR:** 3F

**Name:** Belva, Valda

**Student ID:** 667190

**Semesters:** ['1', '1', '1', '1', '2', '2', '2', '2', '']

**Periods:** ['1', '2', '3', '4', '1', '2', '3', '4']

**Rooms:** ['240', '189', '211', '134', '221', '298', '121', '279']

**Teachers:** ['Aldren,S.', 'Rockhill,V.', 'Guildown,J.', 'Hubs,R.', 'Schank,Z.', 'Rodes,S.', 'Napolean,W.', 'Derwood,Z.']

**Courses:** ['CGC3D0-F', 'GLS3O0-B', 'AVI3O0-H', 'PPL3OO-D', 'AMU3O0-F', 'PPL3OO-E', 'BTT3O0-H', 'GLS3O0-C']

**Grades:** ['37', '74', '68', '94', '96', '95', '67', '84']

**Average:** 76.9

* **Username:** 411930 **Password:** khwuhqkj

**HR:** 3D

**Name:** Lymington, Charline

**Student ID:** 411930

**Semesters:** ['1', '1', '1', '1', '2', '2', '2', '2', '']

**Periods:** ['1', '2', '3', '4', '1', '2', '3', '4']

**Rooms:** ['248', '281', '138', '127', '196', '166', '100', '115']

**Teachers:** ['Litchult,C.', 'Trueman,H.', 'Quarropas,F.', 'Annington,J.', 'Hallingbury,X.', 'Juli,O.', 'Gainsboro,U.', 'Ravenscraig,U.']

**Courses:** ['GLS3O0-A', 'PPL3OO-A', 'AMI3O0-E', 'ENG3P0-C', 'MPM3D0-B', 'FSF3D0-C', 'ENG3D0-A', 'ENG3P0-D']

**Grades:** ['67', '56', '75', '52', '75', '42', '73', '71']

**Average:** 63.9

* **Username:** 973195 **Password:** xlbwiz95

**HR:** 2A

**Name:** Rayley, Donetta

**Student ID:** 973195

**Semesters:** ['1', '1', '1', '1', '2', '2', '2', '2', '']

**Periods:** ['1', '2', '3', '4', '1', '2', '3', '4']

**Rooms:** ['179', '287', '263', '219', '195', '271', '265', '266']

**Teachers:** ['Xaviers,T.', 'Maurer,P.', 'Sanzoverino,N.', 'Sweetman,Q.', 'Bournehall,R.', 'Felta,Z.', 'Watchfield,D.', 'Brooksdale,R.']

**Courses:** ['AVI2O0-B', 'BTT2O0-B', 'PPL2OO-A', 'AVI2O0-D', 'GLS2O0-H', 'FSF2D0-B', 'AMI2O0-D', 'FSF2D0-H']

**Grades:** ['97', '58', '83', '43', '59', '90', '87', '49']

**Average:** 70.8

* **Username:** 384637 **Password:** lyutruro

**HR:** 1D

**Name:** Cheyneys, Andrew

**Student ID:** 384637

**Semesters:** ['1', '1', '1', '1', '2', '2', '2', '2', '']

**Periods:** ['1', '2', '3', '4', '1', '2', '3', '4']

**Rooms:** ['269', '171', '215', '140', '146', '210', '278', '285']

**Teachers:** ['Calpella,E.', 'Mocabee,W.', 'Robnel,V.', 'Goffle,E.', 'Benelli,X.', 'Gansett,Y.', 'Neshobe,G.', 'Inverleith,I.']

**Courses:** ['BTT1O0-A', 'AMI1O0-A', 'GLS1O0-F', 'AVI1O0-A', 'GLS1O0-B', 'AVI1O0-F', 'CGC1P0-B', 'MPM1D0-F']

**Grades:** ['61', '100', '62', '100', '39', '77', '47', '93']

**Average:** 72.4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case**  **Number** | **Test Case Description (Steps)** | **Expected Outcome** | **Actual Outcome** | **Pass/Fail** |
| **1** | Run the program. Try clicking on multiple different places on the Login GUI. Avoid the entry boxes. | Should have no affect on the program (i.e. not crashing it or counting it as a valid “run”) in other words, nothing should happen. |  |  |
| **2** | Click on the entry boxes and enter a random string for the username and password.  (they can be the same value or different, however different if recommended) | Should display “Unsuccessful Log In” in the Shell. |  |  |
| **3** | Enter a random integer for the username and password. | Should display “Unsuccessful Log In” in the Shell. |  |  |
| **4** | Enter a random float for the username and password. | Should display “Unsuccessful Log In” in the Shell. |  |  |
| **5** | Try entering combinations of each (i.e. a random string for the username and a random integer for the password, or an integer for the username and a string for the password.) | Should display “Unsuccessful Log In” in the Shell. |  |  |
| **6** | Click on the entry boxes and log in with each of the provided usernames and passwords above. Be sure to not add any extra spacing before or after the entries. | Should receive “Successful Login” message for each prompting the next window. |  |  |
| **7** | Close the new window and run the program again. This time refer to the section in the final\_project.py program titled, “DEBUGGING”. Un-comment this code allowing it to run with the program. Then proceed to log in again with each of the same usernames and passwords.  After each login, check the Shell to read what values are being returned for each section of the student’s data. | Should receive “Successful Login” message for each prompting the next window after a short wait period.  Refer to the “Username and Passwords Expected Data Results” above. Its contents should match with those in the Shell. |  |  |
| **8** | Login with any of the valid usernames and passwords and proceed to the My Account GUI window. Try clicking anywhere of the GUI except for on the buttons. (*OPTIONAL*: You may re-comment the “DEBUGGING” code that you uncommented previously to have the programs faster if you wish) | Should have no effect of the program at all. |  |  |
| **9** | In the same window, try clicking on the MY Data button. | The button should become deactivated and a new window should open up displaying a student time table. |  |  |
| **10** | Check the name, student number, average and homeroom displayed on the GUI | Each should respectively match with the username and passwords data that you logged in with. (Check data in the Shell.) |  |  |
| **11** | Check that the course codes are formatted in their correct period, day and semester  **\*NOTE:** The time table follows the same format as Meadowvale Secondary school in terms of the flipped classes on Day1’s and Day 2’s. | Should match with their order in the student data (Check data in the shell ) |  |  |
| **12** | Check that the teacher names are formatted in their correct period, day and semester | Should match with their order in the student data (Check data in the shell ) |  |  |
| **13** | Check that the room numbers are formatted in their correct period, day and semester | Should match with their order in the student data (Check data in the shell ) |  |  |
| **14** | Try clicking anywhere on the student time table (My Data) GUI | Nothing should happen. This GUI is designed just for viewing purposes. |  |  |
| **15** | Close the schedule GUI | Should close the schedule GUI and leaving the My Account GUI open. The My Data button should be deactivated. |  |  |
| **16** | Check the time and date on the My Account GUI | Should be accurate time and date |  |  |
| **17** | Click on the My Calendar button | Should open a window displaying a calendar of the current month. Window is un-interactive; My Calendar button should also be deactivated. |  |  |
| **18** | Click on the My Planner button and try entering some text in the text box. Click the Save button when done. | The text should appear as a jot note in the output box. |  |  |
| **19** | Without closing the window, repeat the previous step. | The new line of text should also appear in the window under the previous text. |  |  |
| **20** | Click on the Edit button and try to change modify a jot note. Then click Save. | The output box should be accurately modified to your changes. |  |  |
| **21** | Click on the Close button | The window should close and you should have access to just the My Account window. The My Planner button should be deactivated. |  |  |
| **22** | Click on My School. Exit when done. | A window should open showcasing schedules of late starts, and Character Counts. The window is un-interactive. After exiting, the window should close and the My School button should be deactivated. |  |  |
| **23** | Click on the My Calculator button. In the next window, try interacting with the calculator in any mathematical way as well as clicking on non-button areas. Exit the window when done.  **\*NOTE:** The calculator is currently incomplete | A calculator GUI should open. Clicking the buttons shouldn’t do anything at this point as well as clicking anywhere else. Once exited, the My Calculator Button should be deactivated. |  |  |
| **24** | Click on My Info. Exit the window when done. | A window should open displaying extra related info such as holidays and timed upcoming events. Once exited, the My Info button should be deactivated. |  |  |
| **25** | Click on any of the deactivated buttons | Nothing should happen |  |  |

**Please take the time to answer the following questions about out application; we would greatly appreciate your feedback. ☺**

1. **How efficient was the program? In terms of the searching algorithms we used, were the loading times between logging in long or short? (Please specify considering that under certain conditions the program experienced crashes)**
2. **Did you run into any particular issues when logging in?**
3. **Were there any formatting issues in regards to text, output, and the placement of the read data?**
4. **Did the program ever crash after you close any of the GUI windows?** (NOTE: each window will have an EXIT button made specifically for it in order to prevent crashing in the final version. For now the users will rely on the actual window’s exit button)
5. **Did all the main buttons on the My Account window lose their functionality after one use? (We’re working to fix this ☺)**
6. **How useful was the User’s Guide? Can you recommend any changes to be made?**
7. **Roughly how long did it take you to complete your testing of our application?**

**Thank you for testing our app! ☺**

