***PROJECT REPORT***

***SPRINT BACKLOG***

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Tasks | Mon | Tues | Wed | Thurs | Friday | Sat | Sun |
| Program all analysis classes |  | 2 |  | 3 |  | 1 |  |
| Allow users to add countries to perform analysis on. | 1 |  | 1 |  | 1 |  |  |
| Allow users to display analysis on map. |  |  | 4 |  |  |  |  |
| Allow users to remove countries. |  |  |  |  |  |  | 3 |
| Allow users to perform more types of analysis on countries (Male, Female, Per Capita, Per Capita Male, Per Capita Female). | 2 |  |  |  | 2 |  |  |
| Allow users to choose and switch between types of analysis. | 1 | 2 |  |  |  |  |  |
| Allow users to login in to the system using username and password. |  |  |  |  | 2 | 2 |  |

***GROUP MEETING LOG***

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| **Present Group Members** | **Meeting Date** | **Issues Discussed / Resolved** |
| All | Nov 21  1 HOUR MEETING | General discussion divvying up the responsibilities. It was decided that Brandon will do the classes covering UI, Display and the main function. Isaac will be responsible for the Analysis and Proxy classes. Stephen will be responsible for the Data Retrieve classes. Rest of classes to be worked on together. To start immediately. |
| All | Nov 24  45 MINUTE MEETING | Group meeting where we discussed our progress, any challenges encountered. Log-in class code was found to be incompatible with the design pattern and it was set to be re-developed. |
| All | Nov 26  30 MINUTE MEETING | Group meeting where progress was discussed. |
| All | Dec 2  1:30 HOUR MEETING | Final group meeting where we ensured everything worked correctly. All test cases passed. |

***TEST CASES***

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| **Test ID** | 0001 |
| **Category** | Evaluation of user credentials |
| **Requirements Coverage** | Successful user login |
| **Initial Condition** | Program must be running |
| **Input Data** | Username: test Password: test |
| **Procedure** | 1. enter valid username 2. enter valid password 3. User logs into system and is presented with main UI window |
| **Expected Outcome** | User is presented with main UI window |
| **Notes** | Only alpha numeric usernames and passwords. Case sensitive |

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| **Test ID** | 0002 |
| **Category** | Evaluation of user credentials |
| **Requirements Coverage** | Successful user login |
| **Initial Condition** | Program must be running |
| **Input Data** | Username: hello Password: world |
| **Procedure** | 1. User enter invalid username 2. User enter invalid password 3. Program terminates |
| **Expected Outcome** | Program terminates |
| **Notes** | n/a |

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| **Test ID** | 0003 |
| **Category** | Successfully adding country name to list |
| **Requirements Coverage** | Successfully added country |
| **Initial Condition** | User must be logged in, program must be running |
| **Input Data** | Add Country: Canada |
| **Procedure** | 1. user types in name of country known to be valid 2. user presses “+” button 3. country is added to the list of countries |
| **Expected Outcome** | Country is added to list of countries |
| **Notes** | n/a |

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| **Test ID** | 0004 |
| **Category** | Unsuccessfully adding country name to list |
| **Requirements Coverage** | Unsuccessfully added country |
| **Initial Condition** | User must be logged in, program must be running |
| **Input Data** | Add Country: notacountry |
| **Procedure** | 1. user types in name of country known that is not valid 2. user presses “+” button 3. program returns error message |
| **Expected Outcome** | program returns error message |
| **Notes** | n/a |

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| **Test ID** | 0005 |
| **Category** | Unsuccessfully adding country name to list |
| **Requirements Coverage** | Attempting to add multiple of the same country |
| **Initial Condition** | User must be logged in, program must be running |
| **Input Data** | Add Country: Canada, Add Country: Canada |
| **Procedure** | 1. user types in name of country known that is valid 2. user presses “+” button 3. country is validated and added 4. user types in name of same country 5. user presses “+” button 6. program returns error message |
| **Expected Outcome** | Program returns error message |
| **Notes** | Repeat for all valid countries |

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| **Test ID** | 0006 |
| **Category** | Removing countries from list of countries to perform analysis on |
| **Requirements Coverage** | Successful remove country |
| **Initial Condition** | Program must be running, user must be logged in, a country must be added to the list of countries to do analysis on |
| **Input Data** | Remove Country: Canada |
| **Procedure** | 1. user types in the name of the country on the list 2. user presses the “-” button 3. country is removed from the list |
| **Expected Outcome** | The country that is typed in is removed from the list |
| **Notes** | n/a |

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| **Test ID** | 0007 |
| **Category** | Removing countries from list of countries to perform analysis on |
| **Requirements Coverage** | Unsuccessful remove country |
| **Initial Condition** | Program must be running, user must be logged in, a country must be added to the list of countries to do analysis on |
| **Input Data** | Remove Country: notacountry |
| **Procedure** | 1. user types in the name of the country not on the list of countries 2. user presses the “-” button 3. program returns error message |
| **Expected Outcome** | Program returns error message |
| **Notes** | n/a |

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| **Test ID** | 0008 |
| **Category** | Removing countries from list of countries to perform analysis on |
| **Requirements Coverage** | Removing country that is not it list |
| **Initial Condition** | Program must be running, user must be logged in, example country Canada is added to the list of countries to do analysis on |
| **Input Data** | Remove Country: France |
| **Procedure** | 1. user types in the name of the country not in list of countries 2. user presses the “-” button 3. program returns error message |
| **Expected Outcome** | Program returns error message |
| **Notes** | Repeat for all countries |

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| **Test ID** | 0009 |
| **Category** | Selecting the analysis type to be performed |
| **Requirements Coverage** | Successfully choosing analysis |
| **Initial Condition** | Program must be running, user must be logged in |
| **Input Data** | *none* |
| **Procedure** | 1. user activates drop down menu of analysis methods 2. User goes through the list and selects each type of analysis then reopening the list each time |
| **Expected Outcome** | Program runs into no errors |
| **Notes** | n/a |

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| **Test ID** | 0010 |
| **Category** | Performing the analysis and display results |
| **Requirements Coverage** | Successful-perform-analysis-1 |
| **Initial Condition** | Program must be running, user must be logged in, computer must be connected to internet, valid country added |
| **Input Data** | *none* |
| **Procedure** | 1. user selects any analysis from drop down menu 2. user presses recalculate button 3. results are displayed on output area and on map |
| **Expected Outcome** | Results are displayed in output area and on map |
| **Notes** | Repeat for all analysis types |

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| **Test ID** | 0011 |
| **Category** | Performing the analysis and display results |
| **Requirements Coverage** | Unsuccessful-perform-analysis-1 |
| **Initial Condition** | Program must be running, user must be logged in, at least |
| **Input Data** | *none* |
| **Procedure** | 1. user selects any analysis from drop down menu 2. user presses recalculate button 3. computer is not connected to internet so error message is displayed |
| **Expected Outcome** | Error message is displayed |
| **Notes** | Repeat for all analysis types |

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| **Test ID** | 0012 |
| **Category** | Performing the analysis and display results |
| **Requirements Coverage** | No countries entered |
| **Initial Condition** | Program must be running, user must be logged in, at least |
| **Input Data** | *none* |
| **Procedure** | 1. user selects any analysis from drop down menu 2. user presses recalculate button |
| **Expected Outcome** | No countries entered, so no analysis is performed and map is cleared |
| **Notes** | Repeat for all analysis types |