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| Test Suite ID | PA |
| Test Case ID | UL01 |
| Test Case Summary | Test the upload function in Program Analysis page with a correct csv file |
| Related Requirements | “To present the data from a spread sheet in a readable format” in project proposal |
| Prerequisites | 1. User is authorized |
| Test Procedure | 1. Click the “browse” button 2. Choose the test data file to upload 3. Click the “upload” button |
| Test Data | SE\_ProgramData\_fake.csv |
| Expected Result | 1. The file name of the chosen file is displayed next to the “browse” button. 2. A window with message “Success!” pops up after clicking the “upload” button. 3. After clicking the “ok” button of the pop up window, another window with message “File Saved!” pops up. 4. A table with 3 columns(Student Id, Family Name, Given Name) and 5 rows of student information shows up. |
| Actual Result | The pop up windows and table described above show up |
| Status | Success |
| Automated | No |
| Remarks | May be automated once the html file is developed in Heroku and can be accessed with a URL. |
| Created By | Xiyan Huang |
| Date of Creation | 30/09/2017 |
| Executed By | Xiyan Huang |
| Date of Execution | 10/09/2017 |
| Test Environment | OS: Windows 7  Browser: Firefox 55 |

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| Test Suite ID | PA |
| Test Case ID | UL02 |
| Test Case Summary | Test the upload function in Program Analysis page with a xlsx file |
| Related Requirements | “To present the data from a spread sheet in a readable format” in project proposal |
| Prerequisites | 1. User is authorized |
| Test Procedure | 1. Click the “browse” button 2. Choose the test data file to upload 3. Click the “upload” button |
| Test Data | SE\_ProgramData\_fake.xlsx |
| Expected Result | 1. The file name of the chosen file is displayed next to the “browse” button.  2. After clicking the “upload” button, a window with message “Please upload a valid CSV file.” pops up. |
| Actual Result | The pop up window described above shows up |
| Status | Success |
| Automated | No |
| Remarks | May be automated once the html file is developed in Heroku and can be accessed with a URL. |
| Created By | Xiyan Huang |
| Date of Creation | 30/09/2017 |
| Executed By | Xiyan Huang |
| Date of Execution | 10/09/2017 |
| Test Environment | OS: Windows 7  Browser: Firefox 55 |

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| Test Suite ID | PA |
| Test Case ID | TB |
| Test Case Summary | Test the check boxes in Program Analysis page |
| Related Requirements | “To present the data from a spread sheet in a readable format” in project proposal |
| Prerequisites | 1. User is authorized 2. A csv file with correct information is uploaded |
| Test Procedure | Tick and cancel all check boxes in the left of the page |
| Test Data | SE\_ProgramData\_fake.csv |
| Expected Result | 1. Corresponding fields show up as the boxes are checked, and disappear as the boxes are unchecked. If many fields are checked, a roll bar will occur for the user to drag. |
| Actual Result | The corresponding fields and roll bar show up. |
| Status | Success |
| Automated | No |
| Remarks | May be automated once the html file is developed in Heroku and can be accessed with a URL. |
| Created By | Xiyan Huang |
| Date of Creation | 30/09/2017 |
| Executed By | Xiyan Huang |
| Date of Execution | 10/09/2017 |
| Test Environment | OS: Windows 7  Browser: Firefox 55 |

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| Test Suite ID | PA |
| Test Case ID | SBID01 |
| Test Case Summary | Test the search by student ID function in Program Analysis page |
| Related Requirements | “To allow easy sort and analysis of data” in project proposal |
| Prerequisites | 1. User is authorized 2. A csv file with correct information is uploaded |
| Test Procedure | 1. Type in a student ID 1111111, which exists in the uploaded file, to the student id field. 2. Click the “search” button. |
| Test Data | SE\_ProgramData\_fake.csv |
| Expected Result | 1. A row of table with the typed in student id shows up. |
| Actual Result | The table with student id 1111111, family name and given name shows up. |
| Status | Success |
| Automated | No |
| Remarks | May be automated once the html file is developed in Heroku and can be accessed with a URL. |
| Created By | Xiyan Huang |
| Date of Creation | 30/09/2017 |
| Executed By | Xiyan Huang |
| Date of Execution | 10/09/2017 |
| Test Environment | OS: Windows 7  Browser: Firefox 55 |

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| Test Suite ID | PA |
| Test Case ID | SBID02 |
| Test Case Summary | Test the search by student ID function in Program Analysis page |
| Related Requirements | “To allow easy sort and analysis of data” in project proposal |
| Prerequisites | 1. User is authorized 2. A csv file with correct information is uploaded |
| Test Procedure | 1. Type in a student ID 1111112, which does not exist in the uploaded file, to the student id field. 2. Click the “search” button. |
| Test Data | SE\_ProgramData\_fake.csv |
| Expected Result | 1. A window with message “No such student” pops up. |
| Actual Result | The window with message described above pops up. |
| Status | Success |
| Automated | No |
| Remarks | May be automated once the html file is developed in Heroku and can be accessed with a URL. |
| Created By | Xiyan Huang |
| Date of Creation | 30/09/2017 |
| Executed By | Xiyan Huang |
| Date of Execution | 10/09/2017 |
| Test Environment | OS: Windows 7  Browser: Firefox 55 |

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| Test Suite ID | PA |
| Test Case ID | CTN01 |
| Test Case Summary | Test the search by course catalog number function in Program Analysis page |
| Related Requirements | “To allow easy sort and analysis of data” in project proposal |
| Prerequisites | 1. User is authorized 2. A csv file with correct information is uploaded |
| Test Procedure | 1. Type in a course catalog number 1111, which exists in the uploaded file, to the catalog number field. 2. Click the “search” button. |
| Test Data | SE\_ProgramData\_fake.csv |
| Expected Result | 1. A table with information of all students who have enrolled in this course shows up. |
| Actual Result | A table with 5 students(1111111, 2222222, 3333333, 4444444, 5555555) shows up. |
| Status | Success |
| Automated | No |
| Remarks | May be automated once the html file is developed in Heroku and can be accessed with a URL. |
| Created By | Xiyan Huang |
| Date of Creation | 30/09/2017 |
| Executed By | Xiyan Huang |
| Date of Execution | 10/09/2017 |
| Test Environment | OS: Windows 7  Browser: Firefox 55 |

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| Test Suite ID | PA |
| Test Case ID | CTN02 |
| Test Case Summary | Test the search by course catalog number function in Program Analysis page |
| Related Requirements | “To allow easy sort and analysis of data” in project proposal |
| Prerequisites | 1. User is authorized 2. A csv file with correct information is uploaded |
| Test Procedure | 1. Type in a course catalog number 111, which does not exist in the uploaded file, to the catalog number field. 2. Click the “search” button. |
| Test Data | SE\_ProgramData\_fake.csv |
| Expected Result | A window with message “No such course” pops up. |
| Actual Result | The window with message described above pops up. |
| Status | Success |
| Automated | No |
| Remarks | May be automated once the html file is developed in Heroku and can be accessed with a URL. |
| Created By | Xiyan Huang |
| Date of Creation | 30/09/2017 |
| Executed By | Xiyan Huang |
| Date of Execution | 10/09/2017 |
| Test Environment | OS: Windows 7  Browser: Firefox 55 |

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| Test Suite ID | PA |
| Test Case ID | NT |
| Test Case Summary | Test the search by number of terms function in Program Analysis page |
| Related Requirements | “To allow easy sort and analysis of data” in project proposal |
| Prerequisites | 1. User is authorized 2. A csv file with correct information is uploaded |
| Test Procedure | 1. Type in 2, 3, 4 and 5 respectively, in the number of terms field. 2. Click the “search” button. |
| Test Data | SE\_ProgramData\_fake.csv |
| Expected Result | For 2 terms, the record for student 3333333 appears.  For 3 terms, the record for student 4444444 appears.  For 4 terms, the records for student 1111111 and 2222222 appear.  For 5 terms, no record appears, the screen shows only the header of the table. |
| Actual Result | As described above. |
| Status | Success |
| Automated | No |
| Remarks | May be automated once the html file is developed in Heroku and can be accessed with a URL. |
| Created By | Xiyan Huang |
| Date of Creation | 30/09/2017 |
| Executed By | Xiyan Huang |
| Date of Execution | 10/09/2017 |
| Test Environment | OS: Windows 7  Browser: Firefox 55 |

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| Test Suite ID | PA |
| Test Case ID | TUP |
| Test Case Summary | Test the search by total unit pass function in Program Analysis page |
| Related Requirements | “To allow easy sort and analysis of data” in project proposal |
| Prerequisites | 1. User is authorized 2. A csv file with correct information is uploaded |
| Test Procedure | 1. Type in 48 in the total unit pass field.   1. Click the “search” button. |
| Test Data | SE\_ProgramData\_fake.csv |
| Expected Result | A table with students(1111111, 2222222, 5555555) that have total unit pass equal or greater than 48 displays. |
| Actual Result | Only 1111111 and 2222222 displayed. |
| Status | Fail |
| Automated | No |
| Remarks | May be automated once the html file is developed in Heroku and can be accessed with a URL. |
| Created By | Xiyan Huang |
| Date of Creation | 30/09/2017 |
| Executed By | Xiyan Huang |
| Date of Execution | 10/09/2017 |
| Test Environment | OS: Windows 7  Browser: Firefox 55 |