# Part 1 – Testing

The university system requirements are:

1. Check for the correct file formats

2. Track student submission time and dates

3. Calculate word-count that may notify the sender if it does not meet word limits

4. Send a receipt of submission

5. Allow draft submission of the assignment.

## Performing user case scenarios:

To be able to do the acceptance testing of above requirements users’ scenarios tables have been designed for each of the requirements below:

1st specification point:

|  |  |
| --- | --- |
| Scenarios | Expected Outcome |
| S 1.1. =>  A user started uploading the assignment file (correct file format) to the university server. | The server receives the valid file format.  Check for any malwares related to the files.  After checking all of it, receive the files and send back successful upload process to the user.  User can see green successful message pops up along with the submission confirmation number. |
| S. 1.2= >  A second user tries to upload the assignment file (invalid file format) to the university server. | The server reads the file formats that have been uploaded by the user.  Since, the file format is incorrect the server responds with red invalid messages to the user’s screen to check the file again and retry uploading the correct file formats. |

2nd specification point:

|  |  |
| --- | --- |
| Scenarios | Expected Outcome |
| S 2.1. =>  A user has successfully uploaded the file with correct file formats to the server. | The server receives the file as in S.1.1 and then it records all the information related to the users. (e.g., student ID, assignment details, notes etc.)  Also, the server precisely records the submission date and the time with other information.  Reports back to the user’s screen about the date and time the submission has been made to their student email address. |

3rd specification point:

|  |  |
| --- | --- |
| Scenarios | Expected Outcome |
| S 3.1. =>  A user has successfully uploaded the file as per as the S.1.1 and S2.1. (with less than that of recommended word limit). | The server gives all possible outcome as listed in S1.1 and S2.2.  Now the server started to scan the file for the word limits that needed to be met.  Word limits does not satisfy by the user file.  Notify the user about the word limits and display it to the user screen. |
| S. 3.2= >  A second user uploaded the file (with more than the word limit) | Server scan the file for the number of words.  The limit has been met.  Notify user about the word limit has been satisfied, display to the screen. |

4th specification point:

|  |  |
| --- | --- |
| Scenarios | Expected Outcome |
| S 4.1. =>  A user has uploaded the submission file meeting all the 1st, 2nd and 3rd specification. | Generate the submission receipt of the particular file.  send the receipt straight to the user email address.  Displays the receipt number to the user for the final confirmation. |

5th specification point:

|  |  |
| --- | --- |
| Scenarios | Expected Outcome |
| S 5.1. =>  User attempts to upload the file to the server. Needed some time to officially upload the file, so the user saves the file as a draft. | The server saves the files to the draft storage.  Notify the user about the draft file have been saved via users display screen and through the user email address. |

## Detailed black box testing plan (Microsoft Excel 365)

The following black box test have been done on the commercial product of Microsoft called Microsoft excel 365. The detailed testing is done only for the print dialog box on MAC OS version. A screenshot of a cell phone

Description automatically generated

|  |  |  |  |
| --- | --- | --- | --- |
| Screen: Microsoft Excel 365 (Mac version) | | | |
| Widgets | **Tests** | | **Expected results** |
| Printer dropdown selection | Click the dropdown bar  Choose add printer  Select the available printers and add it. | | Displays the printer’s name where the printing take place. |
| Copies input fields | 1. Check the input field with the numeric of 2 digits positive integers. (tried 33) 2. Check the input field with the negative 2 digits integer number. (tried -11) 3. Check the input field with Zero numeric. (tried 0). 4. Check the input field with 3-digit positive integer. (tried 999) 5. Check the input field with decimal points. (Tried 1.2) 6. Check the fields with characters. 7. Check the field by leaving it empty. | | 1. Accepts the input 2. Negative sign Input restricted.      1. Error message dialog box pops up 2. Accepts the inputs 3. Input restricted 4. Input restricted 5. Disable print button |
| Pages (all radio button) | Click the radio button | | Selected radio button |
| Pages (From: and to: input field) | From | to | 1. Invalid input 2. Accepts input 3. Invalid input 4. Auto defaults to “1” |
| 1. Type “0” 2. Type “1” 3. Type   “10000”   1. Check the field with empty data | Type  “1”  Type  “1”  Type  “10000” |
| Cancel button | Click on “Cancel” button | | Close down the print dialog box |
| PDF dropdown lists | Click the dropdown box | | Shows various option to save the files |
| Print button | Click the “Print” button | | Prints out the selected file as per as the copies specified. |
| Show details button | Click “Show Details” button | | Changes to other dialog box of details of the file and the printers. |
| Mac OS user GuidesGraphical user interface, text, application  Description automatically generated | Click “?” button | | Redirect to the web browsers regarding about the Mac OS guide details. |
| Next Page forward button | Click the forward arrow | | Displays the next sheet of the file (one page increment) |
| Previous Page backward button | Click the Back arrow | | Displays the previous sheet of the file(one page decrement) |