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# Executive Summary

This report writing provides an acceptance test result of a student assignment submission system. Under acceptance test will test if the system can check the correct file format, student submission time & date, word count, receipt of assignment submission, and allowance of draft submission. After acceptance testing, it will undertake black box testing of the Microsoft Excel Spreadsheet print page. There will be a brief description of the nightly build of Mozilla Firefox and its pros & cons. After all that, there will be a request for a proposal for an Aussie Business Buzz company.

# Testing

## Acceptance Testing

An acceptance test is a form of software testing performed at last after resolving bugs from the software. The user-end performs it to ensure no errors or bugs while using by the user (Basit, Baldwin, Kannan, 2018).

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| **Scenario 1: Check correct files format** | |
| S1.1: Submit assignment | Clicking on the assignment submission link available on the portal |
| S1.2: Browse My Computer/ Cloud Service | After clicking on the link, it will open a new page with some options to upload the file from the computer or cloud service. |
| S1.3: Selecting a file | After selecting a suitable option, a dialogue box will open, and the user should select the file and click on open |
| S1.4: Submit file | When a file is uploaded, the user should click on submit. If the file has the correct format, the file will be submitted, and the user will receive an assignment received message. If not, the user will receive an error message asking to reupload the file with the correct format. |

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| **Scenario 2: Tracking student submission date and time** | |
| S2.1: Submit assignment | Clicking on the assignment submission link available on the portal |
| S2.2: Browse My Computer/ Cloud Service | After clicking on the link, it will open a new page with some options to upload the file from the computer or cloud service. |
| S2.3: Selecting the file | After selecting the suitable option, the dialogue box will open, and the user should select the file and click on open |
| S2.4: Submit file | When the file is uploaded, the user should click on submit. If the file has the correct format, the file will be submitted, and the user will receive an assignment received message. |
| S2.5: Tracking Date and Time | After the submitter submits the file, the system will record the date & time as submitted date & time. After that submitted date & time will be compared with the due date, and make sure students submit the assignment before due. |

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| **Scenario 3: Calculate the word count and notify the submitter if it is not matched.** | |
| S3.1: Submit assignment | Clicking on the assignment submission link available on the portal |
| S3.2: Browse My Computer/ Cloud Service | After clicking on the link, it will open a new page with some options to upload the file from the computer or cloud service. |
| S3.3: Selecting the file | After selecting the suitable option, the dialogue box will open, and the user should select the file and click on open |
| S3.4: Checking file format | When a file is uploaded, the user should click on submit. If the file has the correct format, then the file will be uploaded. If not, the user will receive an error message asking to reupload the file with the correct format. |
| S3.5: Assignment review page | After successfully uploading an assignment, the system will display an uploaded assignment with total words and characters to the submitter. If the word count didn’t match the assignment requirements, then the submitter won’t submit the assignment.  If the word count fulfills the requirement, then submit button will pop up, and the user can submit the assignment. |
| S3.6: Submit file | The file will be submitted, and the user will receive an assignment confirmation message. |

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| **Scenario 4: Send a receipt of submission** | |
| S4.1: Submit assignment | Clicking on the assignment submission link available on the portal |
| S4.2: Browse My Computer/ Cloud Service | After clicking on the link, it will open a new page with some options to upload the file from the computer or cloud service. |
| S4.3: Selecting the file | After selecting a suitable option, a dialogue box will open, and the user should select the file and click on open |
| S4.4: Checking file format | When the file is uploaded, the user should click on submit. If the file has the correct format, then the file will be uploaded. If not, the user will receive an error message asking to reupload the file with the correct format. |
| S4.5: Assignment review page | After successfully uploading an assignment, the system will display an uploaded assignment to the submitter with total words and total characters. If the word count didn’t match the assignment requirements, then the submitter won’t submit the assignment.  If the word count fulfills the requirement, then submit button will pop up, and the user can submit the assignment. |
| S4.6: Submitting the assignment | After clicking on the submit button, the assignment will be submitted. The submitter will get a confirmation email regarding assignment submission with a unique confirmation number known as a receipt number. |

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| **Scenario 5: Draft Submission of the assignment** | |
| S5.1: Submit assignment | Clicking on the assignment submission link available on the portal |
| S5.2: Browse My Computer/ Cloud Service | After clicking on the link, it will open a new page with some options to upload the file from the computer or cloud service. |
| S5.3: Selecting the file | After selecting a suitable option, a dialogue box will open, and the user should select the file and click on open |
| S5.4: Checking file format | When the file is uploaded, the user should click on submit. If the file has the correct format, then the file will be uploaded. If not, the user will receive an error message asking to reupload the file with the correct format. |
| S5.5: Save Draft | On the side of the submit button, there will be an option to save it as a draft. They are saving as a draft will allow the submitter to send the file to the tutor for feedback before submission. |

## Detailed Black-Box Testing

Black-box testing is the phenomenon of testing software without any knowledge of internal design or the working mechanism of the software (Martin, 2017).

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| **Screen: Print Dialogue box of MS Excel** | | |
| **Widget** | **Tests** | **Expected Result** |
| “Print” Button | Check Print message is displayed | The print message is displayed |
| “Copies” Button | Check the number of copies that need to be print | Up arrow and down arrow allow to increase and decrease the number of copies |
| Printer Drop-down List | Check if the list of printers is displayed | A list of connected printers is displayed |
| Printer Properties | Check the “Printer Properties” dialogue box | Properties of the selected printer are displayed, which allow the user to change advanced settings of the printer |
| The “Print Active Sheets” button | Drop down the to be printed sheet option list | Drop down the option to print the which part of the excel sheet, i.e., Active Sheets, Print Entire Workbook, or print selected area |
| Page’s button | Check the page number to be printed | Allow users to input or select a designated page to be printed. Commanding printer to print specific pages only using this page number button |
| “Collated” drop-down list | Check the option of collate | Drop down the option of collated and uncollated |
| “Page Orientation” drop-down list | Check the option of paper orientation | Drop down the list with the option of paper orientation, either landscape orientation or portrait orientation |
| “Paper Size” Dropdown list | Check the size of paper to be printed | Drop down the list with various paper sizes and allow the user to select the paper to be printed with the result |
| “Paper Margins” button | Check to select the margin of paper to be printed | Drop down the list with different paper margin options to select |
| The “Scaling” button | Check the scaling for the result to be printed | Drop down the paper scaling options to ask the user how they want the result to be printed |
| “Page Setup” Button | Check the “Page Setup” dialogue box | Opens page setup dialogue box and allow the user to set up different option for the paper |

# Configuration Management

## Build management

Nightly build Mozilla Firefox is a platform for developers to show their skills in finding bugs in Mozilla and fixing them to make the browser smoother in use and bug-free. It is also known as a test version where a developer can write code, and that code gets published into the common repository of Mozilla. Once that code is confirmed to be a bug and easier for a user to use, it will get moved into the developer or editor mode of Mozilla. After that, when it is confirmed that the browser works fine without any error or crash, only a newly updated will be published to all million users using the normal Mozilla Firefox browser. In this way, nightly build Mozilla Firefox allows many developers to file a bug, and developers work on that to fix it. So, nightly build Firefox will get updates twice a day, and making it open source help it out in finding bugs by many developers from the world(Fast firefox faceoff: Nightly vs. pale moon vs. water for, 2012).

Nightly build Mozilla is an open-source for all the developers to test and file the bug if they found any. After getting a list of all bugs, Mozilla developers will write a code to make the browser more bug-free into the common repository known as Mozilla-central. They get published into the nightly build Mozilla again for testing purposes. Once they confirm that it is a stable code, it will be merged into the stabilized repository known as beta and developer edition. After that, thousands of beta testers will test the browser and make sure there are no bugs. After the confirmation of stabilization of the code, it will be published into the Mozilla Firefox, which is used by millions of users(Mozilla tests out the opt-in system for plug-ins in the latest Firefox nightly build, 2012).

There are various advantages and disadvantages of using nightly build Mozilla Firefox. Some of them are listed below:

**Advantages**

* Nightly build Firefox is an open-source site where interested developers can find bugs and report them to make them more stable.
* If the nightly Firefox users notice any crash, they can report the crash immediately. The admin can receive it within a day or two days and can be fixed as soon as possible.
* Nightly users get a chance to experience new features than other Firefox users. They get a chance to experience it, test it, and if anything goes wrong, they can report it too (Mantyls, Adams, 2015).

**Disadvantages**

* Code used and updated every day in nightly build Mozilla isn’t very stable, so the user may experience crash report time and again and may not be suitable for everyday use.
* Night Firefox contains many bugs, so it lags compared with Mozilla Firefox, so it may not provide a great experience.
* It contains many bugs, so it may not provide high security or privacy to user data.
* Nightly build Firefox will get updated twice every 24hours so it may be annoying for some users who love to keep their tabs open. After updating, it will ask the user to restart the browser to implements the new update (Brandao, Silva, 2017).

# Request for Proposal

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| **Company Name**  Aussie Business Buzz | **Proposal Due Date**  10/10/2021 | **Proposal Name**  RFP for a new system of new branches of ABB |
| **Aussie Business Buzz (ABB) Description**  Aussie Business Buzz is a renowned Australian business that sells various technology products, including PCs, laptops, phones, networking devices, and many more. Apart from selling products, they provide a repair service to their customer, including all kinds of technological devices. Based on the high demand for customer orders and where customers are ordering their products, ABB is planning to open six more branches in a new location for customer convenience. | | |
| **Requirements of ABB’s System for new branches**   * There must be a database with all customer details like name, address, contact details, purchase history, and many more. * There must be a new way of marketing system for customer convenience. Such as emails & SMS notifications to customers whenever there are any newly arrived products in which customers are interested. Messages to customers whenever their repaired device is ready to pick up—creating a website for the business and allowing customers to create their account in it to receive an e-receipt/ digital receipt to reduce paper use. * There must be a feature available for the customer to check stock availability in the designated store. * A place to book in a technical staff if customers ever experience any technical problem in their place and don’t run to the store with all devices. They can book in the technical team and ask them to visit their site or remotely access the device to resolve their technical issues. | | |
| **Evaluation of Proposals**  All the received proposals will be evaluated under the following circumstances:   * Offering great deals. * Requirements mentioned above are fulfilled or not. * Experience of working in the related field. * Data security for customer privacy. * Capability to finish the task in a short period under a reasonable budget by keeping an eye on detail. * Suggestions if any new and more creative ideas. | | |
| **Facts that ensure a valuable proposal to ABB**   * Must accept ABB’s terms and conditions to work with ABB. * Set the target to achieve all the goals in a limited period. * Able to win the heart of ABB’s staff members after reading the proposals. | | |

# Conclusion

This report concludes with the acceptance test result of the student assignment submission system followed by the black-box testing result of the Microsoft excel spreadsheet print page. It also contains the description of the nightly build Mozilla firefox and the advantages and disadvantages of using it. Nightly build firefox working methodology and more. It contains a request for proposal for an ABB company seeking an integrated system for its newly open six branches.

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