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| Assignment 1: Test Plan |

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# Project Summary

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| Report date | Project Name | Prepared By | Version |
| 2nd March 2018 | Test Plan Assignment | Charlene Gordon | 1.0 |

# Project Overview

The purpose of this assignment is to test features on a website page. To do this I will define requirements for the page that cover various features that can be tested.

Based on the requirements I will list test cases that describe how the tests will be carried out and test to see if the features have passed or failed, using a combination of positive and negative testing. I will look at exit criteria, when should testing finish and that the website should go live. Finally explore the risks that may impact on the testing process.

The website page I have chosen to test is AIB’s Login page,<https://aib.ie/personal-forms/onlinereg-details>.

This part of the AIB website has lots of features to test, it requires the user to enter information and to submit the information into fields, the fields will then have to verify the information is correct and validate that the information coincides with the records held on the bank’s database.

As this webpage needs to obtain personal information there must be security to protect the user.

I have used the desktop version of the website and tested it in different browsers to see if there were any issues. Also, I tested the webpage on my smartphone and tablet to see if the page was responsive to different size variations.

Browsers tested on Chrome, Firefox and Internet Explorer.

Hardware used Dell Laptop windows 10, Samsung Android Smartphone and iPad mini iOS.

Tests should take 2 hours to perform with one person.

# Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Description | Priority | linked test |
| REQ\_UI\_01 | Text should be legible on page | Medium | TC\_01 |
| REQ\_UI\_01.1 | The Text size should be 18 for headings and 14 for content. | Medium | TC\_01 |
| REQ\_UI\_01.2 | The text font should be Ariel. | Medium | TC\_01 |
| REQ\_UI\_01.3 | The headings text color should be purple, and the content should be grey, buttons and links green. | Medium | TC\_01 |
|  |  |  |  |
| REQ\_UI\_02 | AIB logo on top left and menu across the top. | Medium | TC\_02 |
| REQ\_UI\_02.1 | When the user’s curser hovers over menu item, a dropdown menu will appear to link other pages of the website. | Medium | TC\_02 |
| REQ\_UI\_02.2 | Cookie Law pop up at top of page should appear when user accesses the page. | Medium | TC\_02 |
|  |  |  |  |
| REQ\_UI\_03 | Help information on the page, the page will have a search field for the user in the website. | Medium | TC\_03 |
| REQ\_UI\_03.1 | There will be an interactive live web chat button for the user on the right of the page. | Medium | TC\_03 |
| REQ\_UI\_03.2 | There will be a contact us link for the user to click which will provide a menu with buttons for contact number, branch locator, enquire here and AskAib on twitter. | Medium | TC\_03 |
|  |  |  |  |
| REQ\_UI\_04 | In the footer there will be social media links using correct logo’s for twitter, Facebook, LinkedIn, YouTube, google+. | Medium | TC\_04 |
| REQ\_UI\_04.1 | There will be site map links for different webpages in the website also bank information. | Medium | TC\_04 |
|  |  |  |  |
| REQ\_UI\_05 | Pop-up’s should appear when the user’s curser hovers over the text input fields to inform user’s where to find the details they need to enter fields. | Medium | TC\_05 |
| REQ\_UI\_05.1 | The pop up will be a picture of a debit card that has the information to be entered in a red bordered box for card number and name on card fields. | Medium | TC\_05 |
| REQ\_UI\_05.2 | The pop-up box for fields date of birth, mobile number, email and confirm email will be a text box explain what information the user is to enter. | Medium | TC\_05 |
| REQ\_DF\_01 | The system will check that proper information is entered by the user. | High | TC\_06 |
| REQ\_DF\_01.1 | The user should enter 7 digits for the field labelled “debit card number”, if over 7 digits the system will not allow the user to enter, the system will not allow user to enter characters. | High | TC\_06 |
| REQ\_DF\_01.2 | The user should enter in the field labelled “name” on their debit card only characters allowed this field. | High | TC\_06 |
| REQ\_DF\_01.3 | The user should only put in a valid date of birth labelled “date of birth” the system will not allow characters. | High | TC\_07 |
| REQ\_DF\_01.4 | The user should enter no more than 15 digits in the mobile number field, no characters allowed. | High | TC\_07 |
| REQ\_DF\_01.5 | The user should enter a valid email address and a matching email in the next field. | High | TC\_07 |
| REQ\_DF\_01.6 | Any field filled out incorrectly by the user will have a red error message at the field that is incorrect. | High | TC\_07 |
| REQ\_DF\_01.7 | No field should be empty when the user clicks on the continue button. | High | TC\_08 |
| REQ\_DF\_01.8 | Each field should be checked for correctness when the user clicks on the continue button. | High | TC\_08 |
| REQ\_DF\_01.9 | Each field should be checked for correctness after the user has included content in the field and presses the “tab” key. | High | TC\_08 |
|  |  |  |  |
| REQ\_SEC\_01 | The padlock should be in the browser address bar. | High | TC\_09 |
| REQ\_SEC\_01.1 | A security check to prove the user is not a robot (reCAPTCHA), should be after all the fields are entered and before the users clicks on the “continue” button. | High | TC\_09 |
|  |  |  |  |
| REQ\_F\_01 | The system will validate the information the information the user entered in the fields requested. | High | TC\_010 |
| REQ\_F\_01.1 | When the information is correct and match the records held on the database the system will allow the user to proceed to step 2 of online registration for online banking. | High | TC\_010 |
|  |  |  |  |
| REQ\_BR\_01 | Webpage works in different browsers (Chrome, Firefox and Internet Explorer). | Medium | TC\_011 |
|  |  |  |  |
| REQ\_HW\_01 | Webpage should be responsive in different types of hardware (tablet, smart phone and desktop). | Medium | TC\_012 |
|  |  |  |  |

# Test Cases

**Browsers tested on Chrome, Firefox and Internet Explorer.**

**Hardware used Dell Laptop Windows 10, Samsung Android Smartphone and iPad mini iOS.**

**Tests should take 2 hours to perform with one person.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| REQ # | TEst # | Test description | expected result | test data | REsult (Pass/Fail) | Comment (Manually or Automated) |
| REQ\_UI\_01  REQ\_UI\_01.1  REQ\_UI\_01.2  REQ\_UI\_01.3 | TC\_01 | * Open the URL * Check text, size, font. Headings purple, content grey and buttons green. In HTML & CSS file | * Text all legible, font is Ariel, headings purple and size 18, content grey and size 14. Buttons green. | URL=https://aib.ie/personal-forms/onlinereg-details | Pass | Manually |
| REQ\_UI\_02  REQ\_UI\_02.1  REQ\_UI\_02.2 | TC\_02 | * Open URL * Check logo and dropdown menu positions * Check links work * Cookie law pop up appears | * Logo on left * Menu across top of page * All links work * Cookie law pop up working | URL=https://aib.ie/personal-forms/onlinereg-details | Pass | Manually |
| REQ\_UI\_03  REQ\_UI\_03.1  REQ\_UI\_03.2 | TC\_03 | * Open URL * Check help search field works when user enters a topic * Check web chat button works and sends user to a web chat page * Check contact us links all work and give correct information | * Search field does not work, nothing happens when text is entered and submitted. * Web chat button sends user to another page, only works during business hours. * Links work to other pages of website. | URL=https://aib.ie/personal-forms/onlinereg-details | Fail  Pass | Manually |
| REQ\_UI\_04  REQ\_UI\_04.1 | TC\_04 | * Open URL * Footer information correct * Social media and sitemap links work | * Sitemap and social media links work | URL=https://aib.ie/personal-forms/onlinereg-details | Pass | Manually |
| REQ\_UI\_05  REQ\_UI\_05.1  REQ\_UI\_05.2 | TC\_05 | * Open URL * Curser hovers over text fields to show user information | * Name on card and 7-digit card number field displays a pop-up with a picture of debit card, area highlighted with a red border * Date of birth, mobile number, email and confirm email displays information box | URL=https://aib.ie/personal-forms/onlinereg-details | Pass | Manually |
| REQ\_DF\_01  REQ\_DF\_01.1  REQ\_DF\_01.2 | TC\_06 | * Open URL * Enter 7 digits into field labelled “debit card number”. * Enter name into field labelled “name”. | * System only allows 7 digits no more and no characters. * System only allows characters into “name” field | URL=https://aib.ie/personal-forms/onlinereg-details | Pass | Manually |
| REQ\_DF\_01.3  REQ\_DF\_01.4  REQ\_DF\_01.5  REQ\_DF\_01.6 | TC\_07 | * Open URL * Enter date of birth in “DD/MM/YYYY” format in field labelled “date of birth”. * Mobile number field will only allow digits * Email address entered must be valid and re-enter email address field must match email * Any field entered incorrectly will prompt user | * System checks correct format entered for date of birth and will not allow incorrect days over 31 or months over 12. * Mobile number field only allows digits * “email address” field only allows valid email and checks re-enter email is a the same * Field with incorrect information will have a red warning message | URL=https://aib.ie/personal-forms/onlinereg-details | Pass | Manually |
| REQ\_DF\_01.7  REQ\_DF\_01.8  REQ\_DF\_01.9 | TC\_08 | * Open URL * Check if field empty system will not allow user to continue. * Check fields are all correct if user moves to next field using tab or clicking. | * If field left empty an error message will highlight in empty field * If field has incorrect information system will highlight in red the field | URL=https://aib.ie/personal-forms/onlinereg-details | Pass | Manually |
| REQ\_SEC\_01  REQ\_SEC\_01.1 | TC\_09 | * Open URL * Check padlock appears in the browser address bar * Security check “prove you are not a robot” before user can continue to next step | * Padlock appears on website browser address bar * Click on box a green tick appears | URL=https://aib.ie/personal-forms/onlinereg-details | Pass | Manually |
| REQ\_F\_01  REQ\_F01.1 | TC\_10 | * Open URL * Check validation working by entering information incorrectly when user presses “continue” button. | * System gives error message “Information does not match on our records” | URL=https://aib.ie/personal-forms/onlinereg-details | Pass | Manually |
| REQ\_BR\_01 | TC\_11 | * Open URL * Check webpage works in different browsers, check Chrome, Mozilla Firefox and Internet Explorer | * Webpage opens no issues on various browsers | URL=https://aib.ie/personal-forms/onlinereg-details | Pass | Manually |
| REQ\_HW\_01 | TC\_12 | * Open URL * Check webpage responsive on tablet, smartphone and desktop | * Webpage should scale to match hardware device used | URL=https://aib.ie/personal-forms/onlinereg-details | Pass | Manually |

# Exit Criteria

|  |  |
| --- | --- |
| When should the webpage be released and go live | % Complete/ Passed |
| Test plans to be carried out | 100% |
| Pass rate on tests that are successful | 95% |
| No critical or high severity defects | 100% |

# Risks

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| issue | Impact | Contingency | Probability | Impact |
| Server going down,  Hardware not working | Unable to carry out testing. | Use different server.  Use different hardware, fix hardware. | Medium | High |
| Run out of time | Not all requirements tested. | Test high priority first | Medium | High |
| Not enough staff allocated to testing | No tests carried out | Allocate staff to ensure tests carried out. | Low | High |

# References

<http://www.softwaretestinghelp.com>

<https://aib.ie/personal-forms/onlinereg-details>