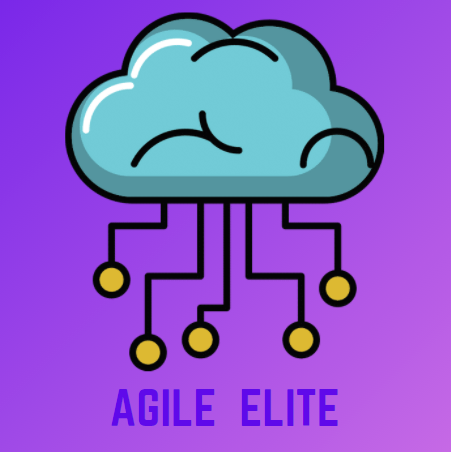
******

***Software Engineering***

***Test Plan Document:***

***Sprint 2***

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# 

# Introduction

## 

## Sprint Overview

*The introduction contains a statement about the component or feature for which the tests are being specified (the general overview of the current Sprint). Also mention any assumptions you are basing the test plan on.*

This document details the testing plan for the development of our website [https://rcd.michaelyopp.com](https://rcd.michaelyopp.com/). It includes static tests, functional and non-functional dynamic tests, customer acceptance tests, as well as bug tracking and handling. Our general testing plan is to implement integration testing – test each page independently of others and then test to see that they link well together without any performance lapses. Testing for the following user stories from this sprint are covered in this document:

1. As a P.O I need a budget of annual expense (plugins / themes / hosting / etc)
2. As an administrator I need documentation on how to manage/edit gravity forms…
3. As a user, I can view Board member listing w/ info…
4. As a user, I can view information on scholarships.
5. Crop Youtube Video
6. Adjust partners order, and add new Partners…
7. As a developer, ensure website is secure in depth…
8. Update Admin Documentation
9. Replace pictures on Homepage and other pages with pictures from dropbox…
10. Split Cover letter Form…
11. Develop tests …
12. Upgrade Website Design
13. Tour client facility

## Items Not Covered by These Test Cases

*Are there functions/processes that your team listed in the sprint plan as part of this sprint, but are not tested? List any functions or processes not being tested and why.*

The following user stories listed in sprint 3 have been backlogged to work on in sprint 4, or are not yet ready for testing:

1. look in to encrypting database
2. As a P.O, I should be able to edit the website.…
3. Move over to AWS (Amazon Web Services)
4. As a P.O., I should have documentation on maintenance and general upkeep of the site…

## Bug Tracking

*Describe how bugs and enhancement requests will be tracked. This includes some form of database (which may be a text file, spreadsheet, Bugzilla, or actually DBMS). All defects will be logged as they are discovered. Entries in the database should include source, status, person assigned to, and resolution.*

Bugs/defects will be documented in the bugs report section of this document, resolutions will be detailed in a table below the bugs report table. Enhancement requests will be made into user stories during the sprint or added as additional tasks to preexisting user stories.

## Quality Control

*How are you going to maintain the quality of the testing process? How do you know if you have a good test plan?*

Team members Abdul and Liam have been tasked to perform and document static and dynamic tests every Wednesday and Sunday mornings. The static tests are to ‘verify’ that ongoing developments conform to our requirements documentation, the dynamic tests shall ‘validate’ whatever features have been developed. Test results are to be reported to the team during the team meeting later both days. We’ll know we have a good test plan when we have enough test cases to cover our entire code – or in this case our website. All features must have adequate testing, equivalence partitioning and boundary value analysis shall be implemented wherever applicable.

## Adequacy Criterion

*How do you know the testing is complete for this sprint? Establish a numeric standard, related to quality, that is used to control the testing process.*

Discussed testing adequacy criteria for fields of all forms on the website. Also discussed compatibility testing and load testing requirements.

Adequacy criteria: E-commerce functionality - 35%, Donation functionality - 30%, Financial assistance application - 10%, all other functional requirements 20%, non-functional requirements - 5%. Testing is sufficient if 90% of the above components are all tested and pass their tests.

Compatibility testing: test across Windows, MAC, and Linux operating systems; test across all major web browsers, as well as android and IOS mobile devices.

Load testing: how many users should be able to access the site without system failure? 100 users.

# Static Testing Checklist

*This section details a simple static testing checklist. For each requirement that is to be completed this sprint, list associated details about its development.*

The test # below reflects the user cases as numbered in the sprint overview in the first section of this document

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test #** | **Backlog item/ Requirement** | **Assigned Developer** | **Location**  **in Code** | **Notes** | **Date test performed** | **Tester** |
| 1 | Budget of annual expense | Abdul | The dev\_docs folder on github | Looks alright, team needs to keep updating this document |  | Abdul |
| 2 | Create Admin Documentation | Mike | The dev\_docs folder on github | Better use of images, keep it up |  | Liam |
| 3 | Board member listing | Liam | https://rcd.michaelyopp.com/board-members/ | The button and the page development reflect the client’s request |  | Liam |
| 4 | Scholarship information | Edmund | The ‘forms’ page and ‘financial assistance’ page | The scholarship form is available for download or to be filled out online |  | Liam |
| 5 | Crop Youtube Video | Preston | Homepage - https://rcd.michaelyopp.com/ | The portion the client wanted gone is no longer visible, the placement of the video however doesn’t look quite right |  | Abdul |
| 6 | Adjust partners order | Edmund | https://rcd.michaelyopp.com/our-partners/ | The listing of the sponsors now reflects the order the client requested |  |  |
| 7 | Apply SSL to entire site | Mike | The entire website | the website does appear to have SSL certificate installed |  |  |
| 8 | Update Admin Documentation | Preston | The dev\_docs folder on github | The document now includes instructions on adding and removing pages, and editing menu. However, some of the instructions could be more detailed |  |  |
| 9 | Update images throughout website | Liam | every page on the website | All the former images appear to have been swapped out or removed |  |  |
| 10a | Split Cover letter Form | Abdul | the ‘forms’ page | Now has a new link to download the eligibility form |  |  |
| 10b | Split Cover letter Form | Abdul | the ‘Mixed\_Delivery\_Grant\_Letter’ form accessible from the ‘forms’ page | This grant letter now only has only 1 page as requested by the client |  |  |
| 11 | Tour Client Facility | Entire Team | RCD\_pictures folder on github | Several good photos taken, we still need information about their curriculum and teaching staff to go on the site |  |  |
| 12a | Upgrade Website Design | Edmund | The entire website | Design looks significantly better than it was before. The dark background does not appear suitable to this type of “business” |  |  |
| 12b | “ | “ | “ | The ‘home’, ‘who we are’, ‘golf tournament’ pages all look much better and more reflective of a childcare center. More improvements in the next sprint |  |  |
| 13 | Develop Tests | Liam, Abdul | The tests folder and the sprint3\_test\_plan document (in the dev\_docs) folder on github | Spitting the one RCDCest.php file into multiple files was a good idea. The test plan doc should have more regular updates |  |  |

# Dynamic Test Cases

*This section details for each test the exact steps necessary to perform the test and the expected results and provides a section for recording the observed results. This table is the most important section of the document. It comprises both the plan and the results of executing the plan. That is, the testing team fills it in as the testing process proceeds. Failed tests should result in bug reports.*

*Note: There may be several tests performed within each row.*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test #** | **User Story** | **Action / Input** | **Expected Result** | **Actual Result** | **P/F** | **Notes** | **Date test performed** | **Tester** |
| 1 | as a user I would like to donate to RCD | Either select desired amount or customize amount you’d want to donate. | A great thank message displayed and receipt sent to email provided. | A great thank message displayed and receipt sent to email provided. | P |  | 2/12/2022 | Edmund |
| 4 | as a user I would like to donate to RCD | clicking the Proceed to Checkout button | should have redirected to https://rcd.michaelyopp.com/checkout/ | displayed the image in the summary of bug #4, had to refresh to get to the correct page | F |  | 2/17/2022 | Abdul |
| 2 | as a P.O., I should be able to view and manage submitted FINANCIAL ASSISTANCE APPLICATION | In the “financial assistance application” page, when you click the submit button after filling all required fields | a thank you page is displayed and you receive an email confirmation to current developers, and also a pdf of the completed form. | a thank you page is displayed and you receive an email confirmation to current developers, and also a pdf of the completed form. | P |  | 2/15/2022 | Liam |
| 3 | As a user, I can purchase golf tournament tickets |  |  |  |  |  |  |  |
|  | As a user, I can view the news /blog section. | n/a | n/a |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  | Secure in Depth | Enter http://rcd.michaelyopp.com | You instead get redirected to the secure site https://rcd.michaelyopp.com |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

***Guidelines:***

* *Although the information in the table above indicates that each test comprises a line, actual descriptions may require multiple lines.*
* *The* ***Test #*** *can represent a category or set of tests related to a user story. In these situations, add a suffix to the number using small Roman letter. For example, use Test 2.a, Test 2.b, …*
* *All tests should have a specific purpose. For example, a test may evaluate the satisfaction of a specific requirement, in which case, the user story number should be included.*
* *A test (****Action****) may comprise a series of steps. Each step should be specific regarding relevant user input and data files. That is, the information in this document is a prescription for executing the test.*
* *Some steps may be common to more than one Test. Some Tests may take up where others left off. There is no need to duplicate this content. In these cases, refer in the* ***Action*** *section to the* ***Test #*** *and Step Numbers that should be performed.*
* ***Expected Results*** *describe the exact output that should be produced by the test.* ***Actual Output*** *is what happened when the test was run. Note that for non-functional tests, the contents of this field might include elapsed time, memory consumed, etc. For failing tests, the output might include information about exceptions raised.*
* ***P/F*** *denotes Pass / Fail. A test should only pass if its expected output matches its actual output.*
* *The* ***Notes*** *field can provide details so that the team can repeat the test in future sprints.*

# Sprint – Bug Reports

*This section details bugs (or failed tests) found during the current sprint…*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Bug ID** | **Originator** | **Submit Date** | **Summary** | **Severity**  [Critical | major | normal | minor | trivial | enhancement] | **Platform**  [PC | Mac] | **OS**  [Windows | Mac | Linux] | **Browser**  [IE | Firefox | Chrome | Safari] | **Completion Date** |
| #1 | Forms and Financial Assistance pages | 02/09/2022 | The Forms and Financial Assistance pages were not loading correctly, either took a few seconds too long or you had to refresh the page | Minor | PC | Windows |  |  |
| #2 | Golf Tournament page | 02/10/2022 | The Golf Tournament page displayed a loading error, and then loaded successfully a couple seconds later | Minor |  | Windows | Chrome |  |
| #3 | RCDCest.php | 02/15/2022 | During automated acceptance testing, some elements were not seen by Codeception leading to errors. But Manually testing went well without a hitch. | Trivial | PC |  | Chrome | 02/14/2022 |
| #4 | home page rcd.michaelyopp.com | 02/16/2022 |  | Major | PC | Windows | Chrome |  |
| #5 | <https://rcd.michaelyopp.com/cart/> , the Proceed to Checkout button |  | clicking the Proceed to Checkout button displayed the image in the summary of bug #4, had to refresh to get to the correct page | Critical | PC | Windows | Chrome | 2/17/2022 |

**BUGS RESOLUTION**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Bug ID** | **Assigned to** | **Status** | **Resolution** | **Notes** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

# Customer Acceptance Testing

*This section details for each test the steps necessary for the customer to perform acceptance testing and the expected results, and provides a section for recording the observed results. The customer should fill in this table at then end of the sprint/phase. Failed tests should result in bug reports.*

Customer Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test #** | **Feature** | **Action / Input** | **Expected Result** | **Actual Result** | **P/F** | **Notes** | **Date test performed** |
|  | Hosting | When you enter [**https://rcd.michaelyopp.com/**](https://rcd.michaelyopp.com/) into a browser | it will take you to the home page of the website in development |  |  |  |  |
|  | Navigation | From any page on the site, when you click any page button at the top of the page | you will successfully navigate to the that page |  |  |  |  |
|  | Contact Us | On the “contact us” page, when you click the send button after filling all required fields | you get an email with the message from the user/visitor. |  |  |  |  |
|  | Financial Assistance Form | On the “financial assistance application” page, when you click the submit button after filling all required fields | a thank you page is displayed, and you receive an email confirmation at amanizade@radford.edu, and also a pdf of the completed form. |  |  |  |  |
|  | Forms Download | On the “forms” page, click the “financial assistance form” button | a pdf of the form opens up for printing and/or download |  |  |  |  |
|  | Forms Download | On the “forms” page, click the “mixed delivery cover letter” button | a pdf of the form opens up for printing and/or download |  |  |  |  |
|  | E-Commerce | On the “Golf Tournament” page, click the “ADD TO CART” button under Golf Tournament Ticket | The cart page is displayed with 1 Golf Tournament ticket in your cart with a price of $300 and the Subtotal will also be $300 |  |  |  |  |
|  | E-Commerce | On the “Golf Tournament” page, click the “ADD TO CART” button under Golf Tournament Ticket. Then click “View Cart” or the cart icon on the menu bar above | A thank you message is displayed, and email sent to the customer with purchase summary |  |  |  |  |
|  | Donation | From the “donate” page: after successfully filling out the donation fields, click “DONATE NOW” | A thank you message is displayed with the donation summary, and a confirmation email is sent to the donor’s email with the donation summary |  |  |  |  |
|  |  |  |  |  |  |  |  |

**BUGS RESOLUTION**

Bug #1

This bug was thought to have occurred because the developer was logged into wordpress and was written off. However, another developer reported noticing the bug when he was logged out. As of now, this bug is yet to be resolved.

Bug #2

During a demonstration to the client, this previously noticed but unlogged bug was noticed again. This bug is of major concern and will be resolved in sprint 3

**Notes**

* Can’t see the page link button when on the page
* Change this link - <https://rcd.michaelyopp.com/wp-content/uploads/2021/11/Mixed_Delivery_Cover_Letter_2021_2022.pdf> to this link <https://rcd.michaelyopp.com/forms/Mixed_Delivery_Cover_Letter_2021_2022.pdf> or something