Test Plan

For the

Content Management System

Created By:

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Type of Procedure: Test Plan (Implementation)

Purpose: Test the implementation of the Content Management System

Modules to Be Tested: Content Management System and related Website pages

Content Manager Test Strategy

1. **TROUBLE REPORTS**

At the time of this writing, there are no known trouble reports.

**1.1 INTRODUCTION**

The following Test Plan has been created using the requirements document and implementation experience. The Content Management System is aimed at designing a system that is able to easily make changes to the website.

This document shall detail the general test strategy, and also individual test sections.

Testing of this system is based on the six groups listed in the Test Plan that follows. The groups listed will cover the necessary testing needed to sufficiently evaluate the system. However, a sufficiently tested system can still contain errors.

The test procedure is structured to cover the requirements outlined in the following table:

|  |  |
| --- | --- |
| Requirement | Test Group(s) |
| Navigation | 1 |
| About Page – Insert, Edit, Toggle, and Delete | 2 |
| Job Page – Insert, Edit, Toggle, and Delete | 3 |
| Article Page – Insert, Edit, Toggle, and Delete | 4 |
| Blog Page – Insert, Edit, Toggle, and Delete | 5 |
| Contact Page – Insert | 6 |

The test procedure is structured in checklist format that covers the following for each Test Group and item to be tested:

1. Test objective
2. Operator action
3. Expected results
4. Evaluation criteria
5. Observed results
6. Pass/Fail outcome

This checklist will be used during the testing phase of the project.

**1.2 Test Classification Category**

The test plan will be completed by testing the following groups that are listed.

**The test plan will be evaluating the six test groups listed here:**

**Test Group 1 – Navigation**

**Test Group 2 – About**

**Test Group 3 – Jobs**

**Test Group 4 – Article**

**Test Group 5 – Blog**

**Test Group 6 – Contact Us**

Test Group 1 – Navigation:

1. Check the navigation of navigation bar and home icon on cms site
2. Check the navigation of navigation bar and home icon on test site

Test Group 2 – About:

1. Check the functionalities of insert, edit, toggle, and delete for the About page

Test Group 3 – Jobs:

1. Check the functionalities of insert, edit, toggle, and delete for the Job Positings page

Test Group 4 – Article:

1. Check the functionalities of insert, edit, toggle, and delete for the Articles page

Test Group 5 – Blog:

1. Check the functionalities of insert, edit, toggle, and delete for the Blog page

Test Group 6 – Contact Us:

1. Check the functionality of insert for the Contact Us page

**1.3 Testing Period**

Testing will be completed by April 30, 2018.

**1.4 Participation**

No external people will be part of this testing. This process includes testing of all components.

**1.5 Location**

All testing will occur at St. Vincent College in the lab for all procedures.

**1.6 Schedule**

Testing is set for April 15 through May 1st, 2018.

**1.7 Security**

No known security procedures are known as of the time of this writing.

**1.8 Test Classification Category**

Testing shall be conducted using the six test groups as follows:

Test Group 1 – Navigation

Test Group 2 – About

Test Group 3 – Jobs

Test Group 4 – Article

Test Group 5 – Blog

Test Group 6 – Contact Us

**2.0 Test Objectives**

1. Test Group 1 shall verify the functionality of navigation elements.
2. Test Group 2 shall verify that the about page is properly managed by the content manager though the Insert, Edit, Toggle, and Delete functionalities.
3. Test Group 3 shall verify that the job page is properly managed by the content manager though the Insert, Edit, Toggle, and Delete functionalities.
4. Test Group 4 shall verify that the article page is properly managed by the content manger through the Insert, Edit, Toggle, and Delete functionalities.
5. Test Group 5 shall verify that the blog page is properly managed by the content manager through the Insert, Edit, Toggle, and Delete functionalities.
6. Test Group 6 shall verify that the contact us page submits data to the database, which is then displayed on the front-end site.

Success/failure criteria is based upon evaluation criteria and observed results as specified in the test procedure outline, and will be scored on a pass/fail criterion.

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| --- | --- | --- | --- | --- | --- | --- |
| Test no:  1 | | Function:  Navigation TEST GROUP 1  Sub Test 1:  Navigation Bar and Home Icon on CMS site | | | | |
| Step no | Operator Action | Expected Results | Evaluation Criteria | Observed Results | PASS | FAIL |
| 1 | Go to localhost:3000 | Redirect to the index page | EXACT | Redirects to the index page | Yes |  |
| 2 | Click “Articles” | Redirect to Article page | EXACT | Redirects to Article page | Yes |  |
| 3 | Click “Jobs” | Redirect to Job Posting page | EXACT | Redirects to Job Posting page | Yes |  |
| 4 | Click “Blog Posts” | Redirect to Blog page | EXACT | Redirects to Blog page | Yes |  |
| 5 | Click “About Info” | Redirect to About page | EXACT | Redirects to About page | Yes |  |
| 6 | Click “Messages” | Redirect to messages page | EXACT | Redirects to messages | Yes |  |
| 7 | Click “Home” | Redirect to index page | EXACT | Redirects to index page | Yes |  |
| 8 | Click on Home in the navigation bar from the index page | Redirect to (stay on) index page | EXACT | Redirects to (stays on) index page | Yes |  |

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| --- | --- | --- | --- | --- | --- | --- |
| Test no:  2 | | Function:  Navigation TEST GROUP 1  Sub Test 2:  Navigation Bar and Home Icon on test site | | | | |
| Step no | Operator Action | Expected Results | Evaluation Criteria | Observed Results | PASS | FAIL |
| 1 | Go to localhost:3001 | Redirect to the index page | EXACT | Redirects to the index page | Yes |  |
| 2 | Click “About” | Redirect to About page | EXACT | Redirects to About page | Yes |  |
| 3 | Click “Articles” | Redirect to Article page | EXACT | Redirects to Article page | Yes |  |
| 4 | Click “Blog Posts” | Redirect to Blog page | EXACT | Redirects to Blog page | Yes |  |
| 5 | Click “Contact Us” | Redirect to contact us page | EXACT | Redirects to contact us page | Yes |  |
| 6 | Click “Job Postings” | Redirect to job postings page | EXACT | Redirects to job postings page | Yes |  |
| 7 | Click “Home” | Redirect to index page | EXACT | Redirects to index page | Yes |  |
| 8 | Click on Home in the navigation bar from the index page | Redirect to (stay on) index page | EXACT | Redirects to (stay on) index page | Yes |  |

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| Test no:  3 | | Function:  About Insert, Toggle, and Delete TEST GROUP 2  Sub Test 1:  About | | | | |
| Step no | Operator Action | Expected Results | Evaluation Criteria | Observed Results | PASS | FAIL |
| 1 | Go to localhost:3000/about | Redirect to about page | EXACT | Redirect to about page | Yes |  |
| 2 | Insert “Test name” for member name and “Test bio” for member bio. Check “Publish to database” and click submit. | The new faculty member is submitted to the database and should be displayed on the preview panel with “Is active” reading “yes”. This should also be displayed on the test site. | EXACT | The new faculty member is submitted to the database and is be displayed on the preview panel with “Is active” reading “yes”. This should also be displayed on the test site. | Yes |  |
| 3 | Click the toggle button next to the Employee named “Test name” | “Is active” should read no, and the test site should no longer display the employee. | EXACT | “Is active” reads no, and the test site should no longer display the employee. | Yes |  |
| 4 | Click the edit button next to the employee titled “Test name”. | Should redirect to aboutEdit page | EXACT | Redirects to aboutEdit page | Yes |  |
| 5 | Change title to “Test name 2” and check “Publish to front end”. | Redirects to job postings page, and the employee should now be named “Test name 2” and Is active should say “yes”. The employee should also be displayed on the front end site. | EXACT | Redirects to job postings page, and the employee is now named “Test name 2” and Is active should say “yes”. The employee should also be displayed on the front end site. | Yes |  |
| 6 | Delete the employee by clicking the delete button. | The employee should no longer be in the database, and will not be displayed on the preview panel or the front end. | EXACT | The employee is no longer be in the database, and is not displayed on the preview panel or the front end. | Yes |  |

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| --- | --- | --- | --- | --- | --- | --- |
| Test no:  4 | | Function:  Job Insert, Toggle, and Delete TEST GROUP 3  Sub Test 1:  Job | | | | |
| Step no | Operator Action | Expected Results | Evaluation Criteria | Observed Results | PASS | FAIL |
| 1 | Go to localhost:3000/jobpostings | Redirect to job postings page | EXACT | Redirect to job postings page | Yes |  |
| 2 | Insert “Test title” for Title, “Test” for description, and “Test” for requirements. Check “Publish to front end” and click submit. | The new job is submitted to the database and should be displayed on the preview panel with “Is active” reading “yes”. This should also be displayed on the test site. | EXACT | The new job is submitted to the database and is be displayed on the preview panel with “Is active” reading “yes”. This is also be displayed on the test site. | Yes |  |
| 3 | Click the toggle button next to the job called “Test title” | “Is active” should read no, and the test site should no longer display the job. | EXACT | “Is active” reads no, and the test site no longer displays the job. | Yes |  |
| 4 | Click the edit button next to the job titled “Test title”. | Should redirect to jobEdit page | EXACT | Redirects to jobEdit page | Yes |  |
| 5 | Change title to “Test title 2” and check “Publish to front end”. | Redirects to job postings page. The job should now be named “Test title 2” and Is active should say “yes”. The job should also be displayed on the front-end site. | EXACT | Redirects to job postings page. The job is now named “Test title 2” and Is active says “yes”. The job is also displayed on the front-end site. | Yes |  |
| 6 | Delete the job by clicking the delete button. | The job should no longer be in the database, and will not be displayed on the preview panel or the front end. | EXACT | The job is no longer in the database, and is not displayed on the preview panel or the front end. | Yes |  |

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| --- | --- | --- | --- | --- | --- | --- |
| Test no:  5 | | Function:  Article Insert, Edit, Toggle, and Delete TEST GROUP 4  Sub Test 1:  Article | | | | |
| Step no | Operator Action | Expected Results | Evaluation Criteria | Observed Results | PASS | FAIL |
| 1 | Go to localhost:3000/article | Redirect to article page | EXACT | Redirect to article page | Yes |  |
| 2 | Insert “Test Name” for Author, “Test title” for title, “Test Content” for content, and 4/25/2018 for date. Check “Publish to front end” and click submit. | The article is submitted to the database and should be displayed on the preview panel with “Is active” reading “yes”. This should also be displayed on the test site. | EXACT | The article is submitted to the database and is displayed on the preview panel with “Is active” reading “yes”. This is also displayed on the test site. | Yes |  |
| 3 | Click the toggle button next to the article named “Test title” | “Is active” should read “no”, and the test site should no longer display the employee. | EXACT | “Is active” reads “no”, and the test site no longer displays the employee. | Yes |  |
| 4 | Click the edit button next to the article titled “Test title”. | Should redirect to articleEdit page | EXACT | Redirects to articleEdit page | Yes |  |
| 5 | Change title to “Test title 2” and check “Publish to front end”. | Redirects to article page, and the title of the article should now be titled “Test title 2” and Is active should say “yes”. The article should also be displayed on the front end site. |  | Redirects to article page, and the title of the article is now titled “Test title 2” and Is active should say “yes”. The article also is displayed on the front end site. | Yes |  |
| 6 | Delete the article by clicking the delete button. | The article should no longer be in the database, and will not be displayed on the preview panel or the test site. | EXACT | The article is no longer be in the database, and is not displayed on the preview panel or the test site. | Yes |  |

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| --- | --- | --- | --- | --- | --- | --- |
| Test no:  6 | | Function:  Blog Insert, Edit, Toggle, and Delete TEST GROUP 5  Sub Test 1:  Blog | | | | |
| Step no | Operator Action | Expected Results | Evaluation Criteria | Observed Results | PASS | FAIL |
| 1 | Go to localhost:3000/blog | Redirect to blog page | EXACT | Redirects to blog page | Yes |  |
| 2 | Insert “Test Name” for Author, “Test title” for title, “Test Content” for content, and 4/25/2018 for date. Check “Publish to front end” and click submit. | The blog is submitted to the database and should be displayed on the preview panel with “Is active” reading “yes”. This should also be displayed on the test site. | EXACT | The blog is submitted to the database and is displayed on the preview panel with “Is active” reading “yes”. This is also displayed on the test site. | Yes |  |
| 3 | Click the toggle button next to the blog named “Test title” | “Is active” should read “no”, and the test site should no longer display the employee. | EXACT | “Is active” reads “no”, and the test site no longer display the employee. | Yes |  |
| 4 | Click the edit button next to the blog titled “Test title”. | Should redirect to blogEdit page |  | Redirects to blogEdit page | Yes |  |
| 5 | Change title to “Test title 2” and check “Publish to front end”. | Redirects to blog page, and the title of the blog should now be titled “Test title 2” and Is active should say “yes”. The blog should also be displayed on the front end site. |  | Redirects to blog page, and the title of the blog is now be titled “Test title 2” and Is active says “yes”. The blog is also displayed on the front end site. | Yes |  |
| 6 | Delete the blog by clicking the delete button. | The blog should no longer be in the database, and will not be displayed on the preview panel or the test site. | EXACT | The blog is no longer in the database, and is not displayed on the preview panel or the test site. | Yes |  |

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| --- | --- | --- | --- | --- | --- | --- |
| Test no:  7 | | Function:  Blog Insert, Edit, Toggle, and Delete TEST GROUP 6  Sub Test 1:  Contact Us | | | | |
| Step no | Operator Action | Expected Results | Evaluation Criteria | Observed Results | PASS | FAIL |
| 1 | Go to localhost:3001/contact | Redirect to contact us page | EXACT | Redirects to contact us page | Yes |  |
| 2 | Insert “First Name” and “Last Name” for name, “Email” and “Phone number” for contact, and “Subject” and “Message Body” for Message. Click send. | The contact information and message are submitted to the database and should be displayed on the backend site. | EXACT | The contact information and message are submitted to the database and should be displayed on the backend site. | Yes |  |
| 3 | Go to localhost:3000/customermessages | Redirect to customer messages page | EXACT | Redirects to customer messages page | Yes |  |
| 4 | Check to make sure backend site displays the customer message | Should display the customers message. | EXACT | Displays the customers message. | Yes |  |