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| Queensland University of Technology |
| Test Plan – Release 1 |
| Media Vault 62 |
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| **ESHWAR CHIVUKULA N9442154** |
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# Test Plan

## Overview

In order to ensure the design and development of the media vault is error-free and functional it is important to use a test plan with test cases to cover all related activities and functions of the system. The aim is to reduce the amount of defects that will occur at the end result of development.

## Goals/Objectives

The test plan will cover all aspects of what needs to be working to minimize defects. It will provide an overall approach as to what will be followed and completed to perform the test cases.

## Specified User Stories

The following requirements have been drawn from the user stories to determine what shall be tested on the media vault. This is done to ensure at the minimum all user stories meet the acceptance criteria.

* As a user I would like there to be a responsive UI so that I can easily navigate and find the content that I want.
* As a user I would like the UI to have a simple, straight forward design so I am not overloaded with information
* As an admin I would like the Application to be web based so that it can be more accessible to all users.
* As a user I would like to be able to create my own account so I can easily store and find my files
* As a user I would like there to be privacy setting for files so that I can control who has access to them
* As a user I would like there to be an option to download the files so I can watch the media without an internet connection
* As a user I would like to be able upload images and videos to make the files easy to access at any time
* As a user I would like to be able to drag and drop my files from my computer so uploading is quick and easy

## Features to be tested

The features of the application to be tested will include the following:

* User Registration
* Checking whether user can login without issues
* Uploading and downloading user files
* Navigational buttons redirect to correct pages
* Drag and Drop files from the computer
* Data Integrity

Features we are not testing are the efficiency of code as it Is Release 1.

## Approach

Our overall approach as to how we will be testing our application shall be broken down into the initial testing and post testing which involves follow up and re-testing. The initial testing shall occur once certain functions have been completed and shall be done by delegated members of the group. Post testing, follow up and re-testing shall occur once the application has been fully completed.

**Item Pass/Fail Criteria**

In order to determine whether the test objectives have met the required test criteria, the expected result shall be put against the actual result after the test cases have been performed and this will define whether the objective has passed or failed.

**Test Environment**

We shall be testing our web application initially as a localhost on one the team member’s computers. However future testing in Release 2, will likely be tested online on a web server.

**Test Team**

In Release 1, testing of the application will be done within the development team.

# Test Cases

## Test Case #1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PROJECT : | | Media Vault 62 | | |
| MODULE: | | User Login | | |
| TEST OBJECTIVE: | | **To check whether users can login without errors and register if the user is new** | | |
| Step No | **Steps** | **Data** | **Expected Results** | **Actual Results** |
| 1 | Enter email as username and password and press the LOGIN button | Username: Registered E-mail  Password: String of characters | Sends User to the home page of the media server |  |
| 2 | For a new user, Enter their e-mail address, and password and press SUBMIT Button | Email = test@gmail.com  password = password | A window should be displayed stating the “User [test@gmail.com](mailto:test@gmail.com) has been registered.” |  |
| 3 | Enter invalid user details and password. | User = Invalid | A warning message box will be displayed saying “Username or Password is incorrect“ |  |

## Test Case #2

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| --- | --- | --- | --- | --- |
| PROJECT : | | Media Vault 62 | | |
| MODULE: | | Upload/Download Capability | | |
| TEST OBJECTIVE: | | **To check whether users can upload or download files and whether the files are sorted correctly by media type** | | |
| Step No | **Steps** | **Data** | **Expected Results** | **Actual Results** |
| 1 | Select an image file from the pop-up after clicking the UPLOAD button on the main page | File: bird.jpg | Pop-up saying File uploaded successfully. |  |
| 2 | From the home page, Click on the photos button to confirm whether the image can be located and downloaded. | File: bird.jpg | Bird.jpg should appear in the list of photos in the photos section of the website. |  |
| 3 | Click on the DOWNLOAD button so the file can be downloaded immediately. | File: bird.jpg | The browser should immediately start the download of bird.jpg |  |

## Test Case #3

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| --- | --- | --- | --- | --- |
| PROJECT : | | Media Vault 62 | | |
| MODULE: | | User Navigation | | |
| TEST OBJECTIVE: | | **To check whether navigational elements on the media server work as intended and redirect to the correct pages.** | | |
| Step No | **Steps** | **Data** | **Expected Results** | **Actual Results** |
| 1 | Click on Movies from the main page. | N/A | The site should automatically direct you to the list of video files. |  |
| 2 | Click on Music from the main page. | N/A | The site should automatically direct you to the list of music files. |  |
| 3 | Click on eBooks from the main page. | N/A | The site should automatically direct you to the list of eBooks. |  |

## Test Case #4

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| --- | --- | --- | --- | --- |
| PROJECT : | | Media Vault 62 | | |
| MODULE: | | Drag and Drop Functionality | | |
| TEST OBJECTIVE: | | **To check whether users can drag and drop files from their computer onto the media vault running on the web browser.** | | |
| Step No | **Steps** | **Data** | **Expected Results** | **Actual Results** |
| 1 | Drag a music file from a folder on your computer onto the Drag and Drop section at the top of the Main page. | File: test.mp3 | Pop-up saying “File has been uploaded successfully” |  |
| 2 | Enter the music section of the media vault to confirm whether the file was uploaded successfully. | File: test.mp3 | File should be listed in the music section of the media vault and be able to be downloaded. |  |

## Test Case #5

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| --- | --- | --- | --- | --- |
| PROJECT : | | Media Vault 62 | | |
| MODULE: | | Data Integrity | | |
| TEST OBJECTIVE: | | **To check whether uploaded files stay on the database after the user logs off.** | | |
| Step No | **Steps** | **Data** | **Expected Results** | **Actual Results** |
| 1 | Upload a number of video files, image files, mp3 files onto the media vault. | File: test.mp4  File: music.mp3  File: bird.jpg | The files uploads successfully into the correct sections of the media vault |  |
| 2 | Log off the Media Vault, Log back on and then enter the media vault. Double check each section of the site to see if the files persisted on the database. | File: test.mp4  File: music.mp3  File: bird.jpg | All the files uploaded are on the media server and can be downloaded. |  |

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