|  |  |
| --- | --- |
| Release & Sprint Plans | |
|  | |
| Team Number 75 | |
| **Student No.** | **Team Member Name** |
| **n8883157** | **Abdul Karim Obeid** |
| **n9161201** | **Thomas Fielder** |
| **n6913539** | **Joseph Scanlon** |
| **n8683816** | **Mohammed Ilhamul Huq** |
| **n9168745** | **Robert Piper** |
| **n5750075** | **David Arthy** |
|  |  |
| **Tutor:** | **Afsaneh Bahmani** |
| **Version:** | **2.0** |
| **Date:** | **23/10/2015** |

**Table of Contents**

[**Release Plan**](#h.30j0zll)

[**Release 1**](#h.1fob9te)

[**Basic User Functionality**](#h.3znysh7)

[**Security Measures**](#h.rcxsrsrtv3d6)

[**File Search System**](#h.i0k30bje84ad)

[**Release 2**](#h.rcc4zfa55bwn)

[**System Administration**](#h.etmb2i782h12)

[**‘Friend’ Abstraction**](#h.b9awkcqzopoa)

[**Activity Logging**](#h.jj1g6zp0wvjb)

[**Release 3**](#h.9992b3rr1lmx)

[**Advanced File Manipulation**](#h.fjoxy92owwcs)

[**User-Admin. Link**](#h.taapk6xq0q2z)

[**Week 13 Nov. 12**](#h.92hx4tlx6xv2)

[**Week 13**](#h.3sr98zzibqeb)

[**Nov. 19**](#h.92hx4tlx6xv2)

[**Sprint Plan**](#h.lnxbz9)

[**Sprint 1**](#h.35nkun2)

[**Sprint 2:**](#h.4fpcmdv01ztg)

[**Sprint 3:**](#h.ed1ko5gr8fmp)

[**Sprint 4:**](#h.dj68ydqypsp6)

# Release Plan

## Release 1

**Delivery date: September 17th 2015 Total Story Points: 64**

The goals for our first release are to develop basic user functionality, security and online viewing of the Media Vault System. The desired outcome of our first release will boast the bulk of our client’s requirements, ensuring that the system has a foundation on which to correctly upload, store and edit files, with industry-standard security and web-view of files.

### Basic User Functionality

This concerns the essential functionality of allowing a user to register an account before then uploading, editing, downloading & deleting files.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **S9** | **File Editing (User)** | **2** |
| **S14** | **Download Media** | **3** |
| **S24** | **Register Account** | **5** |
| **S23** | **Upload Media** | **11** |
| **S28** | **File Deletion (User)** | **2** |
| **Story Point Sub-Total** | | **23** |

### Security Measures

The security measures taken in the Media Vault System include encryption of files, verification requirements for new users, password recovery for existing users and a piracy agreement for legal safety.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **S4** | **Encryption** | **8** |
| **S18** | **Password Recovery** | **5** |
| **S16** | **Piracy Agreement** | **2** |
| **S25** | **Verification Email** | **5** |
| **S26** | **Verification Block** | **5** |
| **Story Point Sub-Total** | | **25** |

### File Search System

The file search system features obvious file searching capabilities, file filtration and the ability to view files in a web browser.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **S10** | **File Search** | **2** |
| **S12** | **View Filter** | **3** |
| **S13** | **View In Browser** | **11** |
| **Story Point Sub-Total** | | **16** |

## Release 2

**Delivery date: October 22nd 2015 Total Story Points: 58**

Our second release concerns the implementation of a system administration, added user functionality for befriending users and the addition of an activity log. The outcomes of this release will expand the management capabilities in the system as well as connecting users in a socially orientated fashion.

### System Administration

The system administration encapsulate both the editing and deletion of users and files respectively.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **S5** | **File Editing (Admin)** | **2** |
| **S6** | **File Deletion (Admin)** | **2** |
| **S7** | **User Editing (Admin)** | **2** |
| **S8** | **User Deletion (Admin)** | **2** |
| **Story Point Sub-Total** | | **8** |

### 

### ‘Friend’ Abstraction

The abstraction of having a ‘friend’ in the Media Vault System is conceived through the ability to token other users in the Media Vault System as ‘friends’ before sharing files with them, tagging them in files as well as removing them as ‘friends’ if need be.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **S1** | **Friend Tagging** | **11** |
| **S17** | **File Sharing** | **17** |
| **S21** | **Friend Acquisition** | **3** |
| **S22** | **Friend Removal** | **5** |
| **Story Point Sub-Total** | | **36** |

### Activity Logging

Regarding the activities performed by users in the Media Vault System database, the ‘activity log’ is the term given to an interface which allows the users to view activities performed by not only themselves but their friends as well as remove posts from the said log if need be.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **S27** | **View Activity Log** | **11** |
| **S2** | **Activity Log Post Removal** | **3** |
| **Story Point Sub-Total** | | **14** |

## Release 3

**Delivery date: Unknown Total Story Points: 32**

The third and final release will focus on the integration of advanced file capabilities as well as the establishment of a mode of communication between the administration and the user-base. The outcomes of this release will see a system ready for industry delivery, optimizing the functionality of previously basic features as well as filling any gaps in functionality.

### Advanced File Manipulation

This concerns the expansion of info. and control that a user has over files, including the introduction of metadata as well as the ability to store files externally, aliasing by link.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **S15** | **File Link Storage** | **2** |
| **S19** | **View Metadata** | **1** |
| **S20** | **Hide Metadata** | **11** |
| **Story Point Sub-Total** | | **14** |

### User-Admin. Link

The user-admin. link solidifies the management of the system, giving the users the ability to contact the administrator for possible system improvement as well as for the administrator to broadcast system messages.

|  |  |  |
| --- | --- | --- |
| **Story ID** | **Story Title** | **Story Points** |
| **S3** | **Error Reporting** | **5** |
| **S11** | **Administrator Message** | **13** |
| **Story Point Sub-Total** | | **18** |

Delivery Schedule

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Week 6 Aug. 27** | **Week 7 Sep. 3** | **Week 8 Sep. 10** | **Week 9 Sep. 17** | **Week 10 Sep. 24** | **Mid-**  **Semester Break** | **Week 11 Oct. 8** | **Week 12 Oct. 15** | **Week 13 Oct. 22** |
| **Sprint 1** | | **Sprint 2** | | **Sprint 3** | **Sprint 3** | **Sprint 4** | |
| **Release 1**  **Sept. 17** | | | | **Release 2**  **Oct. 22** | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Week 13 Oct. 29** | **Week 13 Nov. 5** | **Week 13 Nov. 12** | **Week 13** **Nov. 19** |  |  |  |  |
| **Sprint 5** | | **Sprint 6** | |  | |  | |
| **Release 3**  **Nov. 19** | | | |  | | | |

# Sprint Plan

## Sprint 1:

Total Story Points: 38 Total Hours: 45.5

**Story 09: File Editing (User)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Task Description** | | **Estimate** | **Taken** |
| T01 | Initialize a MySQL database | | 3 | 2 |
| T02 | Write test cases | | 2 | 4 |
| T03 | Create an interface for the user to edit tags | | 3 | 2 |
| T04 | Create code to access and edit the database | | 2 | 5 |
| T05 | Verify story is complete (acceptance test) | | 1 | 3 |
|  | **Story Points: 2** | **Total Hours:** | 10 | 16 |

**Story 14: Download Media**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Task Description** | | **Estimate** | **Taken** |
| T06 | Implement a button to download media | | 1 | 3 |
| T07 | Write test cases | | 2 | 5 |
| T08 | Use javascript to implement the code behind the download button | | 2 | 6 |
| T09 | Verify story is complete (acceptance test) | | 1 | 2 |
|  | **Story Points: 3** | **Total Hours:** | 6 | 16 |

**Story 24: Register Account**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Task Description** | | **Estimate** | **Taken** |
| T10 | Create a registration form | | 1 | 5 |
| T11 | Use JavaScript to implement the code for validation | | 2 | 2 |
| T12 | Implement a button to submit form | | 1 | 1 |
| T13 | Use JavaScript for code of submit button | | 1 | 5 |
| T14 | Verify story is complete (acceptance test) | | 2 | 3 |
|  | **Story Points: 5** | **Total Hours:** | 6 | 16 |

**Story 23: Upload Media**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Task Description** | | **Estimate** | **Taken** |
| T15 | Implement a button to upload media | | 1 | 4 |
| T16 | Write test cases | | 2 | 2 |
| T17 | Use javascript to implement the code behind the upload button | | 2 | 4 |
| T18 | Verify story is complete (acceptance test) | | 1 | 1 |
|  | **Story Points: 11** | **Total Hours:** | 6 | 11 |

**Story 28: File Deletion (User)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Task Description** | | **Estimate** | **Taken** |
| T19 | Implement a button to delete uploaded media | | 1 | 2 |
| T20 | Verify delete (Acceptance test) | | 1 | 3 |
| T21 | Use JBDC to implement the code to delete file from database | | 2 | 1 |
| T22 | Verify story is complete (acceptance test) | | 1 | 4 |
|  | **Story Points: 2** | **Total Hours:** | 5 | 10 |

**Story 18 & 25: Password Recovery & Verification Email**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Task Description** | | **Estimate** | **Taken** |
| T26 | Implement a button to recover password | | .5 | 1 |
| T27 | Use JBDC to implement the code behind the button to redirect to recover password page | | 1 | 2 |
| T28 | Create a form to submit e-mail address for use in recovery procedure | | 1 | 4 |
| T29 | Implement code to verify e-mail address from database | | 1 | 2 |
| T30 | Use PHP script to send a link to e-mail address | | .5 | 4 |
| T31 | Create a page for new password | | 1 | 3 |
| T32 | Verify new password | | .5 | 2 |
| T33 | Verify story is complete (Acceptance test) | | .5 | 1 |
|  | **Story Points: 5** | **Total Hours:** | 6 | 19 |

**Story 16: Piracy agreement**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Task Description** | | **Estimate** | **Taken** |
| T34 | Write an acceptable use policy | | 2 | 1.5 |
| T35 | Implement the acceptable use policy into the web application either in a separate page or in user registration | | 1 | 2 |
| T36 | Verify story is complete (Acceptance test) | | 1 | 3 |
|  | **Story Points: 2** | **Total Hours:** | 4 | 6.5 |

## Sprint 2:

Total Story Points: 29 Total Hours: 69

**Story 26: Verification Block**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Task Description** | | **Estimate** | **Taken** |
| T37 | Implement Authentication of Email Verification. | | 3 | 4 |
| T38 | Write Test Cases | | 2 | 2 |
| T39 | Verify story is complete (Acceptance test) | | 1 | 3 |
|  | **Story Points:** | **Total Hours:** | 6 | 9 |

**Story 4: Encryption**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Task Description** | | **Estimate** | **Taken** |
| T40 | Evaluate Encryption Methods, choose most applicable one. | | 3 | 2 |
| T41 | Write Test Cases | | 2 | 5 |
| T42 | Implement Hashing of Passwords for Accounts. | | 2 | 2 |
| T43 | Verify Story is Complete (Acceptance Test) | | 1 | 1 |
|  | **Story Points:** | **Total Hours:** | 8 | 10 |

**Story 10 & Story 12: File Search & View Filter**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Task Description** | | **Estimate** | **Taken** |
| T44 | Implement function to search database based on keywords or category. | | 1 | 2 |
| T45 | Implement display of search parameters. | | 2 | 2 |
| T46 | Write test cases | | 3 | 1 |
| T47 | Verify Stories is Complete (Acceptance Tests) | | 1.5 | 3 |
|  | **Story Points:** | **Total Hours:** | 7.5 | 8 |

**Story 13: View In Browser**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Task Description** | | **Estimate** | **Taken** |
| T48 | Implement the code to match file type to correct display method. | | 4 | 4 |
| T49 | Write test cases | | 2 | 2 |
| T50 | Implement display methods for video, audio, PDF and ebook | | 3 | 5 |
| T51 | Implement code to display the correct file with the correct display method for its type. | | 2 | 1 |
| T52 | Verify Story is Complete (Acceptance Test) | | 1 | 1 |
|  | **Story Points:** | **Total Hours:** | 12 | 13 |

**Story 29: Age Filtering**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Task Description** | | **Estimate** | **Taken** |
| T53 | Implement Date of Birth in Database | | 2 | 4 |
| T54 | Implement function for calculating age based on Date of Birth. | | 3 | 2 |
| T55 | Implement marking of files as Adult. | | 2 | 1 |
| T56 | Implement hiding of Adult files in Searches done by users with a calculated age under 18 | | 1 | 5 |
| T57 | Write Test Cases | | 2 | 3 |
| T58 | Verify Story is Complete (Acceptance Test) | | 1 | 2 |
|  | **Story Points:** | **Total Hours:** | 11 | 17 |

**Story 30: File Categorizing**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Task Description** | | **Estimate** | **Taken** |
| T59 | Implement Categories in Database | | 1 | 1 |
| T60 | Implement entry of specific chosen category. | | 2 | 2 |
| T61 | Implement automatic assignment to category. | | 2 | 5 |
| T62 | Implement overriding of specific category over automatic | | 2 | 2 |
| T63 | Write Test Cases | | 2 | 1 |
| T64 | Verify Story is Complete (Acceptance Test) | | 1 | 1 |
|  | **Story Points:** | **Total Hours:** | 10 | 12 |

## Sprint 3:

Total Story Points: 8 Total Hours: 40

**Story 05 File Editing (Admin)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Task Description** | | **Estimate** | **Taken** |
| T65 | Write test cases | | 2 | 4 |
| T66 | Create code to access and edit the database | | 2 | 5 |
| T67 | Verify story is complete (acceptance test) | | 1 | 1 |
|  | **Story Points: 2** | **Total Hours:** | 5 | 10 |

**Story 06: File Deletion (Admin)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Task Description** | | **Estimate** | **Taken** |
| T68 | Verify delete (Acceptance test) | | 1 | 3 |
| T69 | Use JBDC to implement the code to delete file from database | | 2 | 4 |
| T70 | Verify story is complete (acceptance test) | | 1 | 1 |
|  | **Story Points: 2** | **Total Hours:** | 4 | 8 |

**Story 07: User Editing (Admin)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Task Description** | | **Estimate** | **Taken** |
| T71 | Write test cases | | 2 | 3 |
| T72 | Create an interface for the admin to edit user details | | 3 | 4 |
| T73 | Create code to access and edit the database | | 2 | 4 |
| T74 | Verify story is complete (acceptance test) | | 1 | 2.5 |
|  | **Story Points: 2** | **Total Hours:** | 8 | 13.5 |

**Story 08: User Deletion (Admin)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Task Description** | | **Estimate** | **Taken** |
| T75 | Implement a button to delete registered user | | 1 | 2 |
| T76 | Verify delete (Acceptance test) | | 1 | 2.5 |
| T77 | Use JBDC to implement the code to delete user from database | | 2 | 3 |
| T78 | Verify story is complete (acceptance test) | | 1 | 1 |
|  | **Story Points: 2** | **Total Hours:** | 4 | 8.5 |

## Sprint 4:

Total Story Points: 22 Total Hours: 19

**Story 21: Friend Acquisition**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Task Description** | | **Estimate** | **Taken** |
| T79 | Write test cases | | 2 | 1 |
| T80 | Create an interface for the user to add to list of friends. | | 3 | 3 |
| T81 | Create code to access and edit the database | | 2 | 1 |
| T82 | Verify story is complete (acceptance test) | | 1 | 1 |
|  | **Story Points: 3** | **Total Hours:** | 8 | 7 |

**Story 22: Friend Removal**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Task Description** | | **Estimate** | **Taken** |
| T83 | Implement a button to delete friend | | 1 | 1 |
| T84 | Verify delete (Acceptance test) | | 1 | 1 |
| T85 | Use JBDC to implement the code to delete friend from database | | 2 | 3 |
| T86 | Verify story is complete (acceptance test) | | 1 | 1 |
|  | **Story Points: 5** | **Total Hours:** | 4 | 5 |

## 

**Story 27: View Activity Log**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Task Description** | | **Estimate** | **Taken** |
| T87 | Write test cases | | 3 | 3 |
| T88 | Create an interface for the user to view activity log. | | 2 | 2 |
| T89 | Create code to access log from database | | 2 | 1 |
| T90 | Verify story is complete (acceptance test) | | 1 | 1 |
|  | **Story Points: 11** | **Total Hours:** | 8 | 7 |

**Story 2: Activity Log Post Removal**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task ID** | **Task Description** | | **Estimate** | **Taken** |
| T91 | Implement a button to delete a log post | | 1 | N/A |
| T92 | Verify delete (Acceptance test) | | 1 | N/A |
| T93 | Use JBDC to implement the code to delete post from activity log | | 2 | N/A |
| T94 | Use JBDC to implement the code to delete post from database | | 2 | N/A |
| T95 | Verify story is complete (acceptance test) | | 1 | N/A |
|  | **Story Points: 3** | **Total Hours:** | 7 | N/A |

**NB: Tasks T91 - T95 have been re-assigned to Sprint 5 as the difficulty of the tasks surpassed our expectations. Hence the time taken may be incomplete or not applicable.**