

PROJECT PORTFOLIO

Final Project Design Document

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Document Change Control

Date	Authors	Summary of Changes
09/13/2015	Chris Sigouin	Updated member names and some details regarding the project overall
09/15/2015	Chris Sigouin	Added “ Technologies Used “ to Section 1.2 Added “About Section” functionality to Sections 1.2 and Section 1.4 Added “Resume” to Section 1.4.9
09/21/2015	Gwen Harwood	Proofreading - tidied up grammar, syntax and formatting
09/21/2015	Matthew Hutchinson	Reworked Sections 1.3 and 1.4
09/21/2015	Chris Sigouin	Reworked descriptions for Sections 1.3 and 1.4
10/17/2015	Chris Sigouin	Updated Section 1.3.7
10/18/2015	Chris Sigouin	Updated Sections 2.1 and 2.2
11 /15/2015	Chris Sigouin	Updated Section 2.1 with DB naming standards

Document Sign-Off

The following people have reviewed and approved the entire content of this document.

Position	Name	Signature	Date
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1.0 Background

Project Portfolio will allow a developers/designers to add their completed projects and documentation to their own accounts. Once added the web application will produce a web view

tailored specifically for that user to highlight his/her accomplishments and completed work.

1.1 Project Team members

Christopher Sigouin

Matt Hutchinson

Gwen Harwood

1.2 Project Description

BRIEF DESCRIPTION:

A web application/mobile app that will be used to show off projects to employers. Much like a sort of portfolio, it will hold all information pertaining to the project such as milestones, journal entries of progress, technologies used, design document areas, and much more. It could be thought of as a highly organized supplement to any project presentations, PowerPoints, etc.

FEATURES:

The web application is separated into two parts:

FRONT VIEW:

A slick looking view to allow a user to select a project and look further into its details. Once a project is selected, it would allow the person viewing it to know anything about the development of the project (e.g. what was the back end developer working on during day 3 of a particular stage in the project OR what the front end developer decided on for a graphic on the start-up page). Areas that they may choose:

Milestones

Journal Entries (from a developer, from a specific task, etc.)

Design Documentation

Technologies Utilized

BACK END:

Allow entry for all data pertaining to the project. This will require a login to access a user's account with all projects listed. It will produce a set of ' views ' (that will ultimately be the front end).

Some possible data used:

- Bio and Personal Information
- Journal Entries / Blog / Articles
- Project Details
- Hyperlinks & source code from Github and Bit Bucket (utilizing their API)

TECHNOLOGIES USED:

- Java (Spring Framework)
- MySQL
- HTML 5
- CSS 3
- Javascript
- Bootstrap JS Library

1.3 Primary Functions

1.3.1 Login (View)

Users will have a username and password which will be used to login to the system.

1.3.2 User Dashboard (View)

Allow a user to enter information into his/her account. This will be a main view after the user successfully authenticates through the login system. Main functionality of the dashboard will allow access to:

- **Project wizard setup**

Guides the user through the setup of adding a new project to their profile.
More information under 1.3.3.

- **Project listing**

This can be a text or thumbnail view of all projects that a user has entered into the system. More information under 1.3.4.

- **User Profile**

Will allow setup for the user profile. More information under 1.3.5.

- Journal Manager

Will allow a user to access all journal entries for a project. More information under 1.3.6.

1.3.3 Project wizard setup

Takes the user through a guided setup to adding his or her project. It will ask the user for the following information:

- Project title and status (In Progress, Completed)**
- Project images and/or screenshots (limit to 5)**
- Project description (Text)**
- Project position (back end developer, front end developer, etc.)**
- Number of Project Members (Numeric)**
- Technologies used (Selection that they can add from)**
- Milestones (Text, can add multiple in same screen)**
- Related hyperlinks (Text, can add multiple)**

1.3.4 Multi Project View

Lists all projects in text or maybe thumbnail view. Allows a user to choose 'Edit', 'View', or 'Delete'.

Edit - Will initiate the 'Wizard setup' functionality on that particular project. The data that was currently present in the project will show in each step as the user proceeds allowing the user to edit the data, remove it, etc.

View - Will initiate a view mode of the project and display the 'Single Project View' mode. This will be used to show the project details in a clean formatted way.

Delete - Will initiate a delete mode and remove the project completely from the system including any data that was linked to it.

1.3.5 User Profile (View)

Will show all information pertaining to the user. The following items will be shown on the user profile view. Each option (except for the calculated ones) will have an edit option to change the value.

User's Display name

User Image

Biography

Technologies learned

Total Projects Completed (calculated by system)

Total Projects In-progress (calculated by system)

1.3.6 Journal Manager

The journal manager will present the user with a text listing of their projects initially. User selects a project. Then all the milestones are listed for that project. User selects a milestone. All the journal entries are listed. Users at this stage can edit an existing journal entry, delete an entry or add a new entry.

1.3.7 Single Project View

A full view of a single project posted by a user showing details about the project. It will show the following items:

Dates:

Project Start Date

Project Last Edit

Project Completion Date

Project status (In Progress, Completed)

Project images and/or screenshots (limit to 5)

Project description (Text)

Milestones

These can each be links that will allow the viewer to see all journal entries listed under each milestone in a separate view likely.

Project position (back end developer, front end developer, etc.)

Number of Project Members (Numeric)

Technologies used (Selection that they can add from)

Milestones (Text, can add multiple in same screen)

Related hyperlinks (Text, can add multiple)

1.3.8 About Section (Requirement)

In this page, there will be a detailed description of the project. Additionally, instructions will be provided (login/navigation/known issues/bugs). The date and project group members will also be documented on this tab.

1.3.10 Milestones

This will be a listing of the start date to end date milestones for the project itself. A user will initially enter the start date of the project. Once completed milestones are added with a deadline. These are added until the end date is entered.

Milestones will be connected to 'Journal entries'. For each milestone there will be a number of journal entries.

Related attributes:

Dates:

Milestone Name

Start Date

End Date

1.3.11 Journal entries

Allows a user to write detailed article(s) on the specified project as they progress through the project workload. This will provide a personal touch and show how the developer was progressing.

Journal entries will be listed under each milestone entered on the project. A user would be able to enter as many journal entries as they wish.

Related attributes:

Journal Title

Journal Body

Entry Date

1.4 Secondary Functions

1.4.3 Project Search

Front end. Allows a visiting user to search by project technology type, developer/designer name or project name. Initial view of the search page will show a limited number of projects organized by date added.

1.4.1 Contact Me

A view that will allow a user to send contact information to a specific developer

1.4.4 Employer Listings

Allow employers to sign into the site to display job listings at a nominal fee of course

2.1 Database Design

Business Rules / Constraints

1:1

- A user can have only one profile

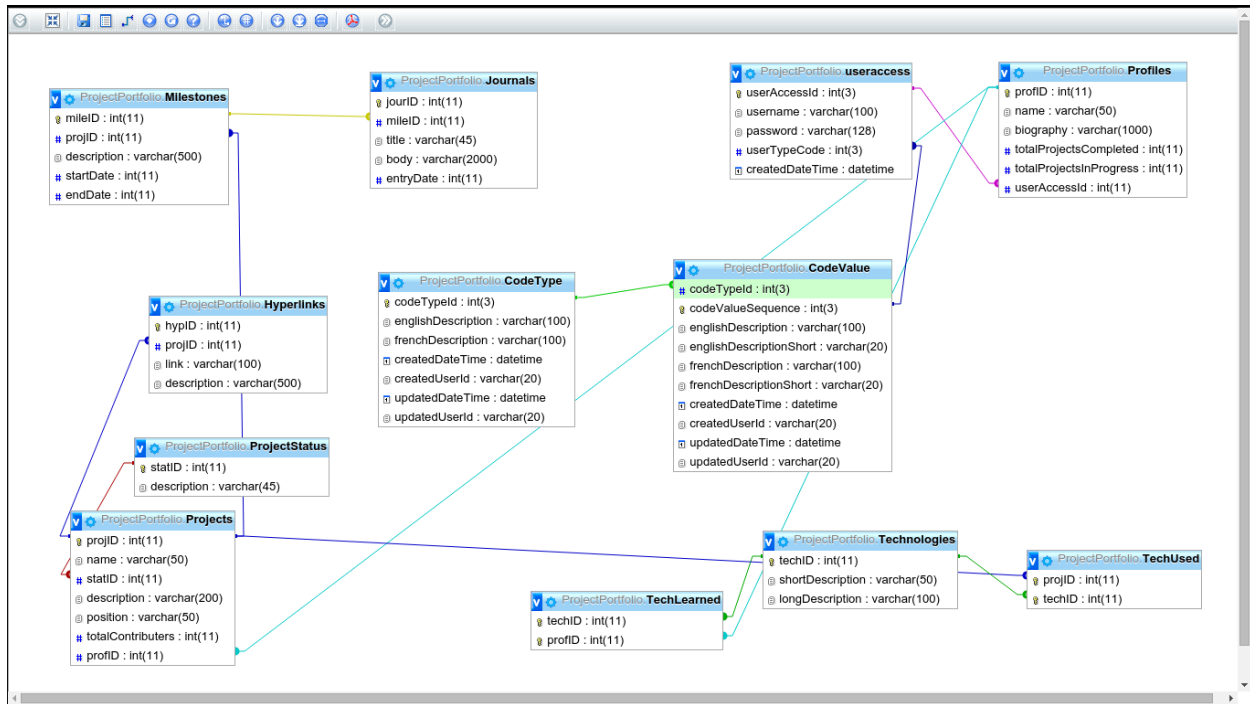
1: M

- A project can have many hyperlinks associated with it
- A project can have many milestones
- A project status can be assigned to many projects
- A milestone can have many journal entries
- A profile can be linked to many projects

M: N

- A single project can use many technologies
- A technology can be used in many projects
- A profile can have many technologies learned

- A technology can be used with many user profiles

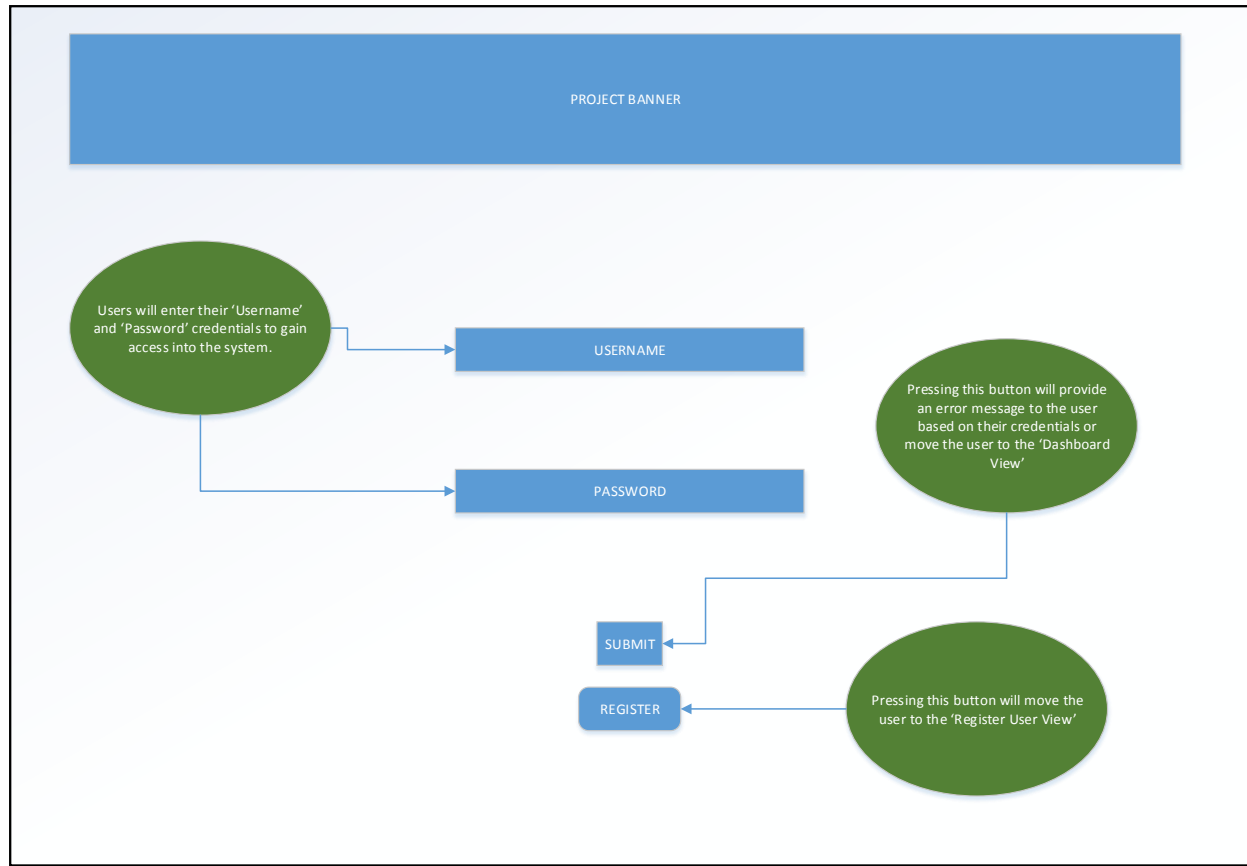


2.2 Interface Design

Provide a mockup of the screens that you expect to use in your project. Also provide a brief description (paragraph of two) describing each of the screens to be used in your program.

This section should provide screen mockups for the screens of the system. As well notes can be provided to clarify the functionality where required

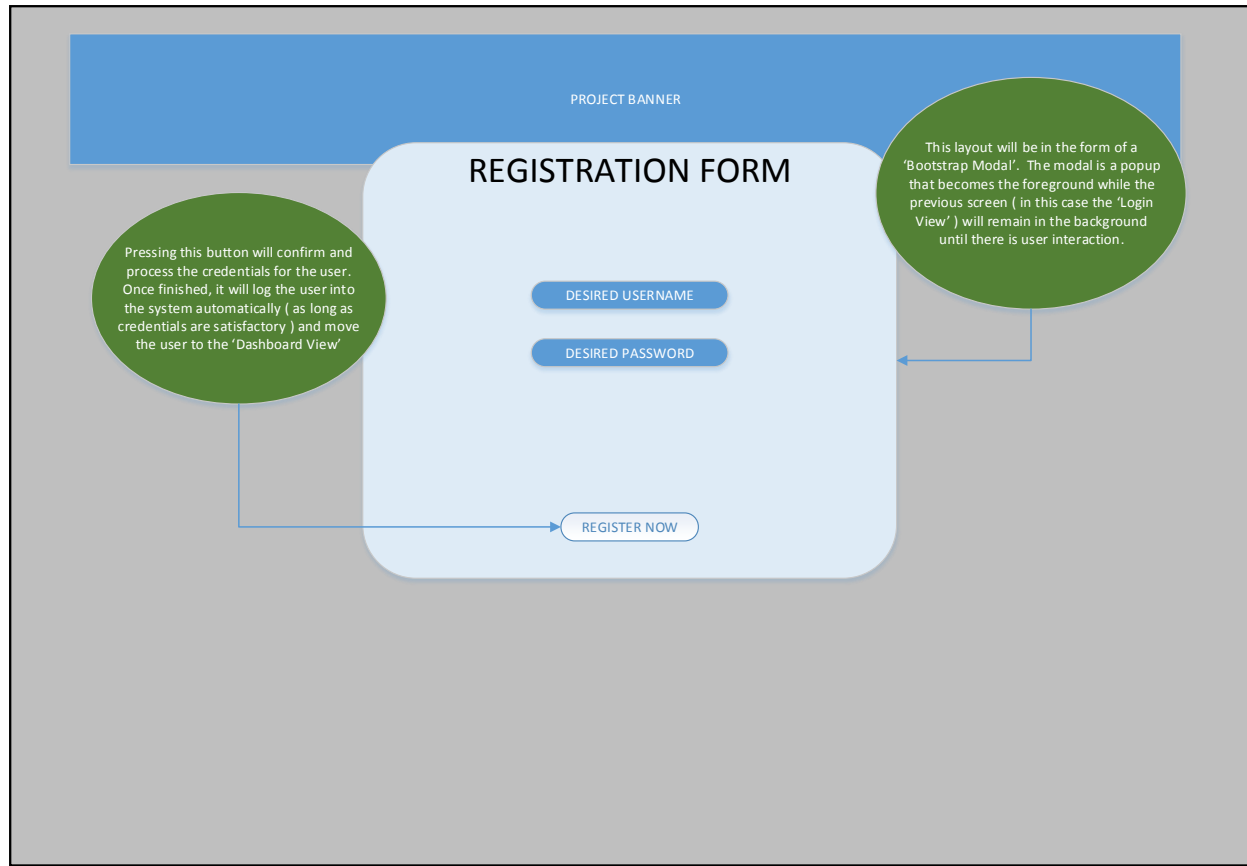
2.2.1 Login View



This view is self-explanatory. User is able either choose 'Register' to submit credentials for entry into the application or provide credentials and choose 'Submit'.

LINKED VIEWS	
HYPERLINK	VIEW NAME
Submit Button	Dashboard View
Register Button	Registration View

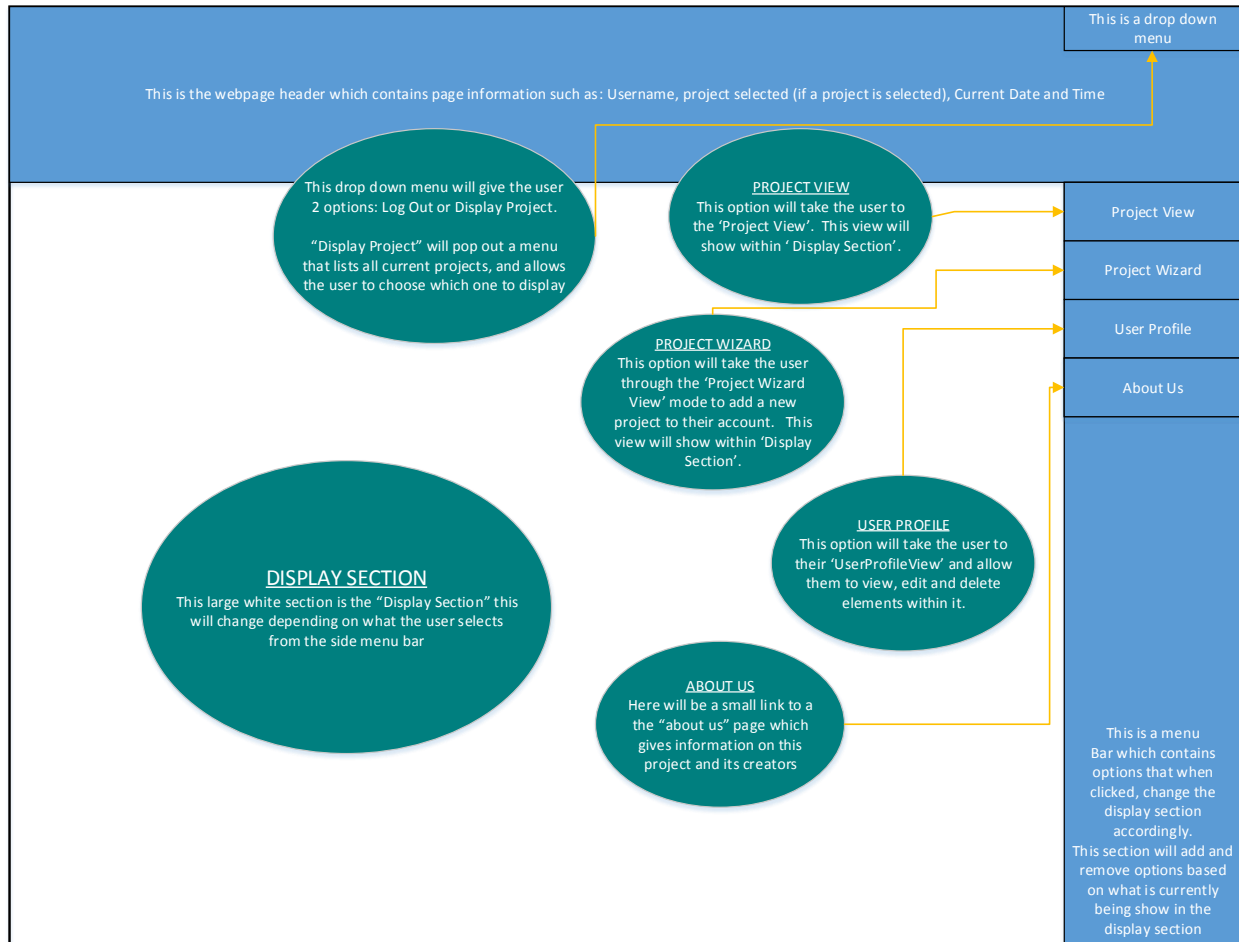
2.2.2 Registration View



Allows a user to provide credentials for access into the system.

LINKED VIEWS	
HYPERLINK	VIEW NAME
Register Now Button	Dashboard View

2.2.3 Dashboard View



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Dashboard view is the main view of the web application. It allows the user to access most of the functionality. The display section will default to the 'Project View' upon initial entry and as a home screen.

LINKED VIEWS	
HYPERLINK	VIEW NAME
<i>Drop Down Menu</i>	
Display Project	Display View
Logout	Login View
Project View	Project View (Multi Project View)
Project Wizard	Project Wizard View
User Profile	User Profile View
About Us	About Us View

2.2.4 Project Wizard Setup

This is a drop down menu

On Single Project View this Header Will Display the Name of the project, as well as the date it was created and the date it was last edited

PROJECT TITLE AND STATUS ☒

PROJECT IMAGES AND/OR SCREENSHOTS ☒

PROJECT DESCRIPTION ☐

Enter a description for your project:

PROJECT POSITION (EG. BACK END DEVELOPER, FRONT END DEVELOPER) ☐

NUMBER OF PROJECT MEMBERS

TECHNOLOGIES USED

MILESTONES

RELATED HYPERLINKS

Project View
 Project Wizard
 User Profile
 About us

PROJECT WIZARD
 Allows a user to add a new project. Each tab in the wizard has a checkbox that must be selected to continue on through the wizard.

Using 'Bootstrap Accordion' CSS design, the wizard will allow a user to enter information pertaining to a project. Each section will be inaccessible to the user until the prior section is completed correctly. For example, upon entry into the wizard, the user will only be able to work with 'Project Title and Status '. When the user clicks on the checkbox, it will extend the next section and so on.

Project Wizard will have two modes depending on what view is showing.
 ADD MODE – Allows a user to enter details of a new project
 EDIT MODE – Allows a user to edit details on a current project that has already been added

LINKED VIEWS	
HYPERLINK	VIEW NAME
<i>Drop Down Menu</i>	
Display Project	Display View
Logout	Login View
Project View	Project View (Multi Project View)
Project Wizard	Project Wizard View (Add Mode)
User Profile	User Profile View
About Us	About Us View

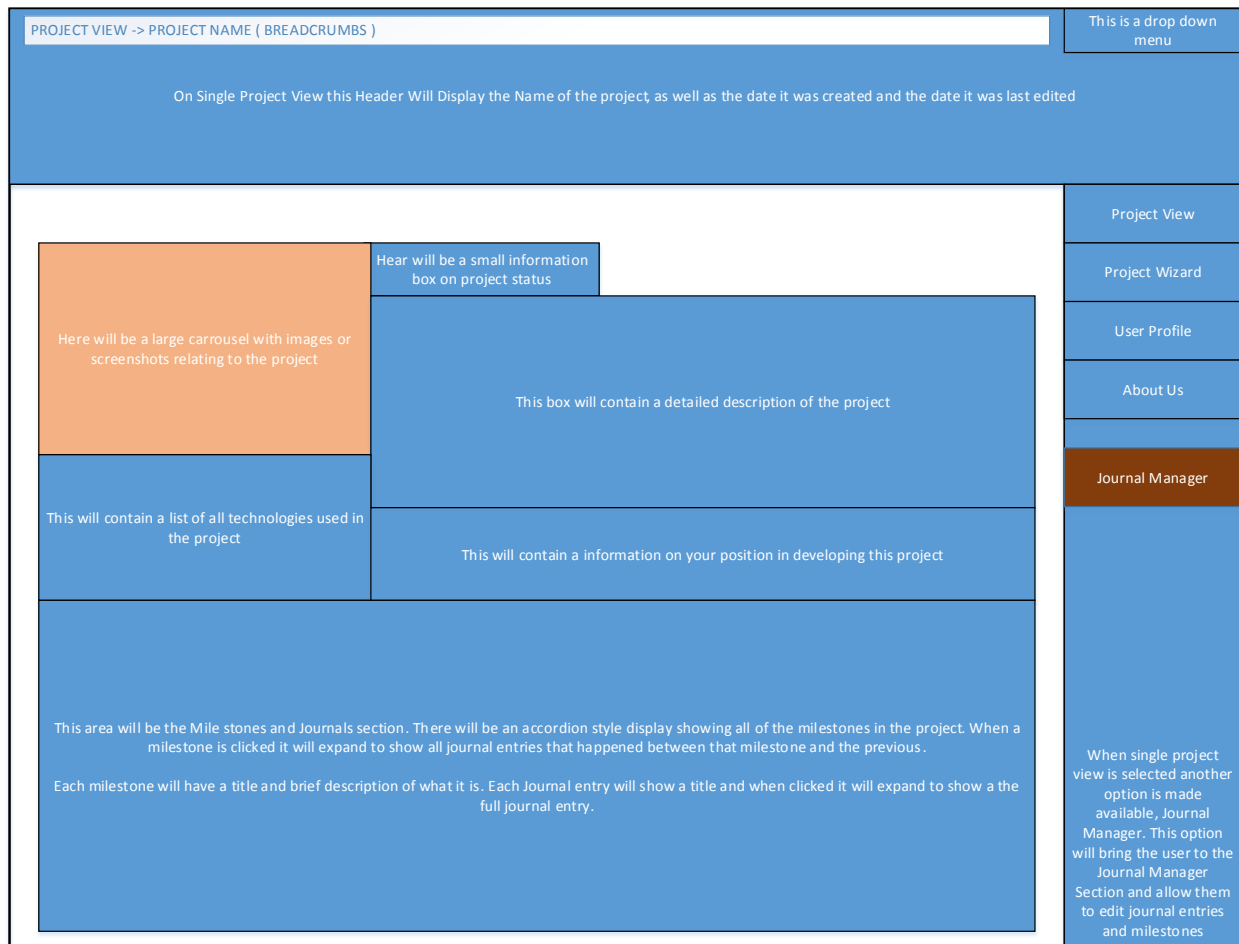
2.2.5 Project View (Multi Project View)



This view will list all projects that are associated with the user’s account. Each project is a hyperlink that will load into the ‘Single Project View ‘of that particular project.

LINKED VIEWS	
HYPERLINK	VIEW NAME
<i>Drop Down Menu</i>	
Display Project	Display View
Logout	Login View
Project View	Project View (Multi Project View)
Project Wizard	Project Wizard View (Add Mode)
User Profile	User Profile View
About Us	About Us View
Project Link (within Project View)	Single Project View

2.2.6 Single Project View



Full view of a single project will be listed here. If ' Project Wizard ' is chosen, it will start the wizard setup process except that the information pertaining to the project that is being viewed will be filled into each corresponding field for the wizard. This will allow the user to edit any information.

The Journal Manager button will only be available within this view.

LINKED VIEWS	
HYPERLINK	VIEW NAME
<i>Drop Down Menu</i>	
Display Project	Display View
Logout	Login View
Project View Button	Project View (Multi Project View)
Project Wizard Button	Project Wizard View (Editing Mode)
User Profile Button	User Profile View
About Us Button	About Us View
Journal Manager Button	Journal Manager View

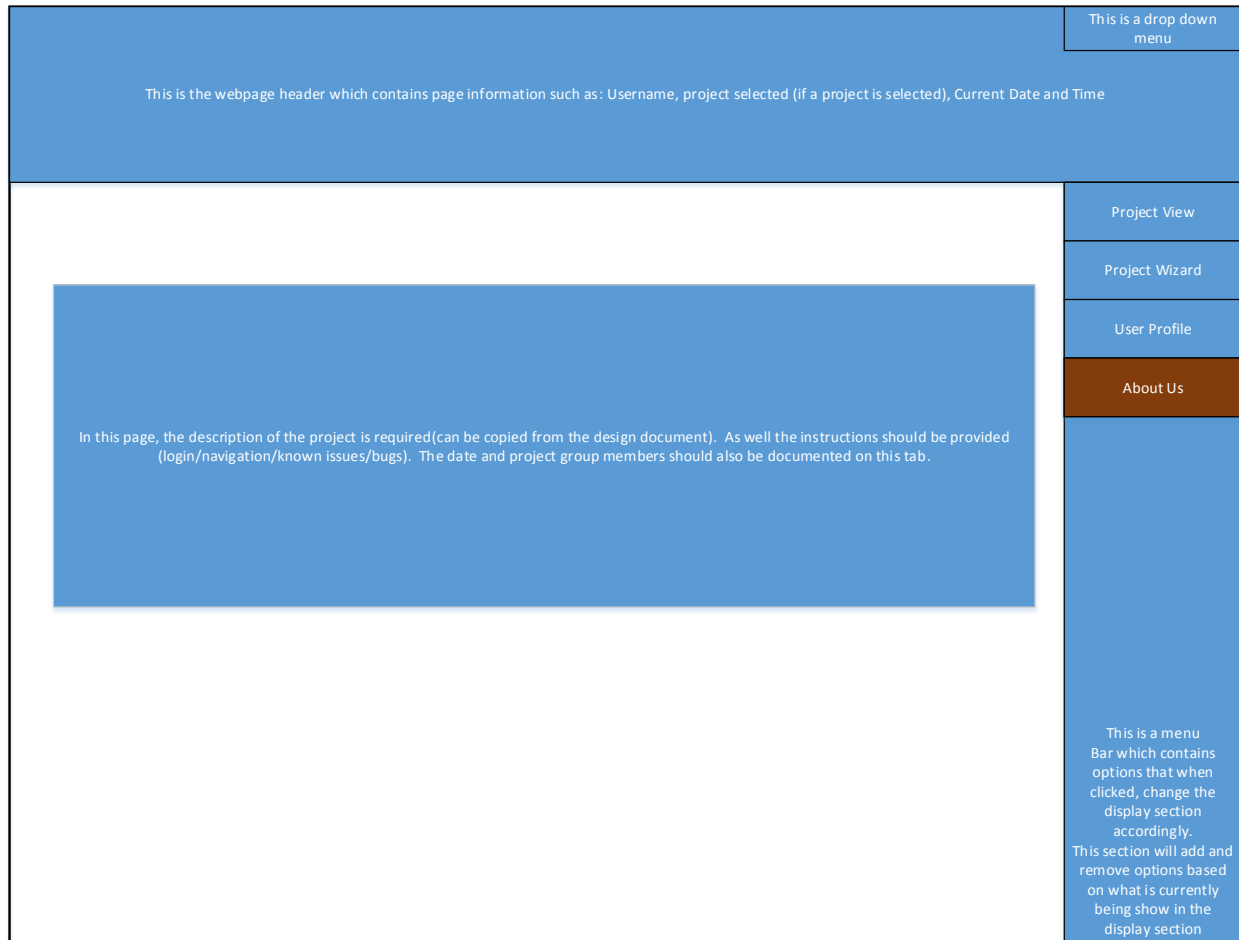
2.2.7 User Profile View

This is the webpage header which contains page information such as: Username, project selected (if a project is selected), Current Date and Time

Allows a user to view, add and edit their user profile information that will be displayed within the single view of a project. Edit icons are hyperlinks enabling the specific fields allowing a user to edit the contents. The save button will update the database keeping the user on this screen as well.

LINKED VIEWS	
HYPERLINK	VIEW NAME
<i>Drop Down Menu</i>	
Display Project	Display View
Logout	Login View
Project View	Project View (Multi Project View)
Project Wizard	Project Wizard View
User Profile	User Profile View
About Us	About Us View

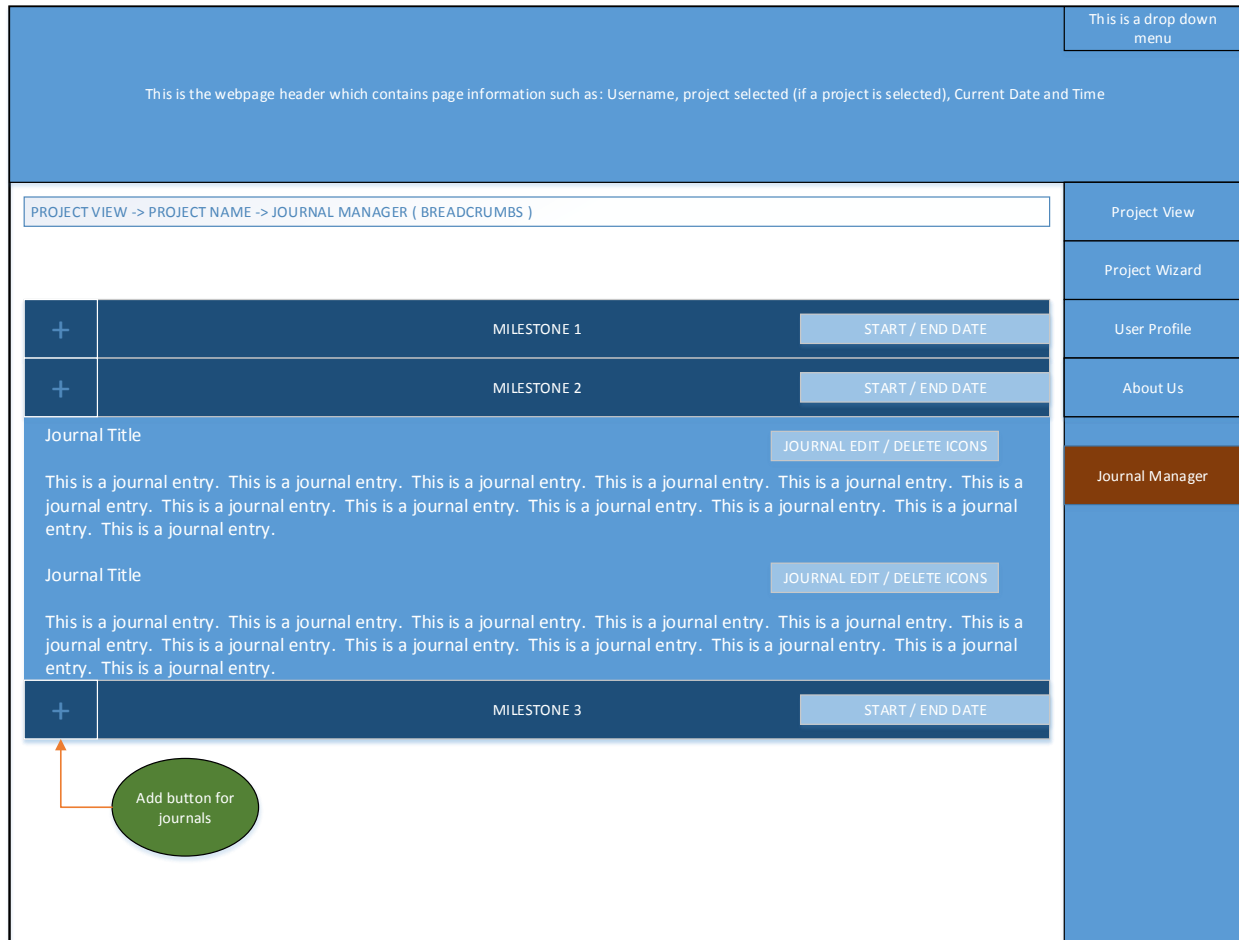
2.2.8 About Section View



The required 'About Section'.

LINKED VIEWS	
HYPERLINK	VIEW NAME
<i>Drop Down Menu</i>	
Display Project	Display View
Logout	Login View
Project View	Project View (Multi Project View)
Project Wizard	Project Wizard View
User Profile	User Profile View
About Us	About Us View

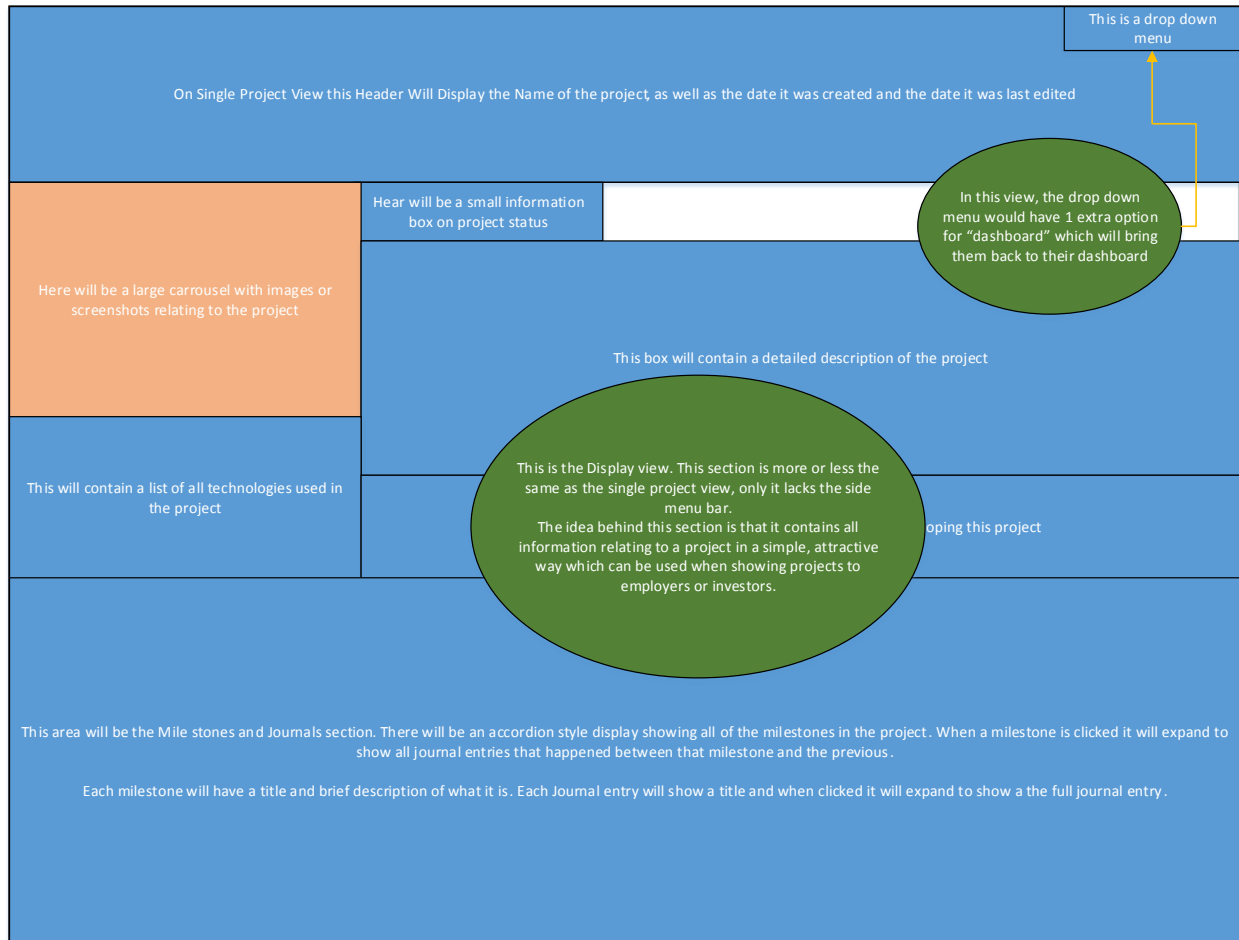
2.2.9 Journal Manager View



This view will only be possible after a user has clicked on 'Journal Manager' while viewing a project in 'Single Project View'. It will allow the user to review their journal entries under each milestone listed. They will be able to add, edit and/or delete entries.

LINKED VIEWS	
HYPERLINK	VIEW NAME
<i>Drop Down Menu</i>	
Display Project	Display View
Logout	Login View
Project View	Project View (Multi Project View)
Project Wizard	Project Wizard View
User Profile	User Profile View
About Us	About Us View
Journal Manager View Button	Journal Manager View

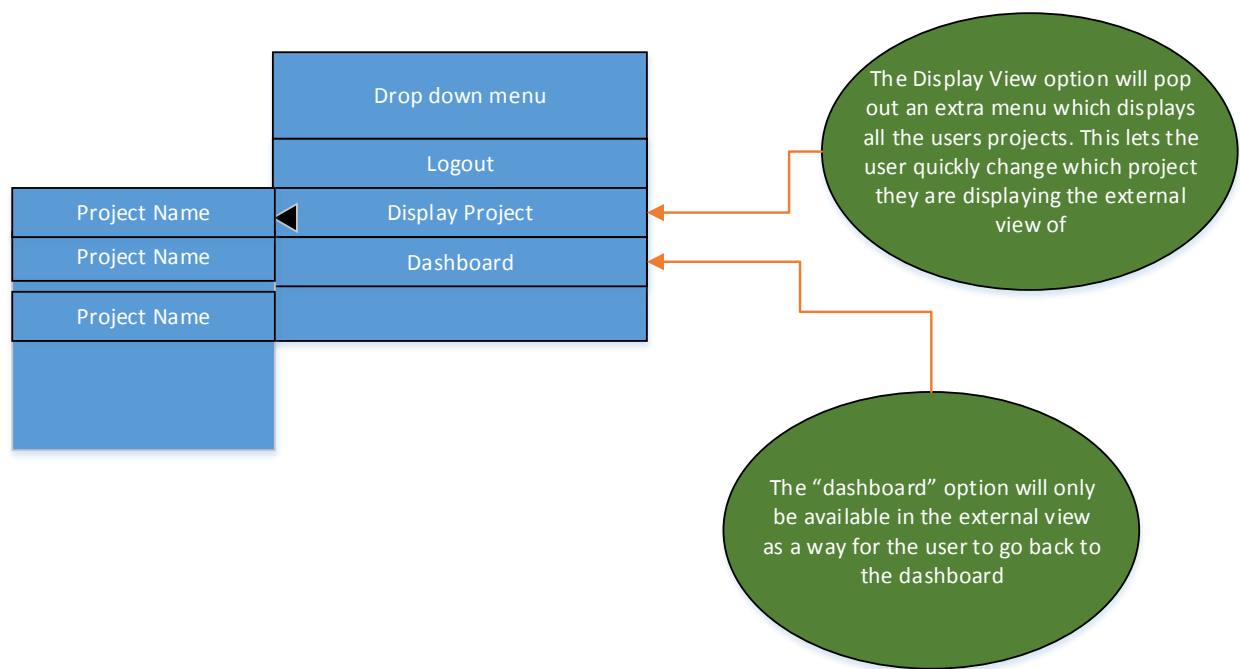
2.2.10 Display View (External View)



This view is the finished view of a project. The 'Dashboard' option in the dropdown box will be available only within this view.

LINKED VIEWS	
HYPERLINK	VIEW NAME
<i>Drop Down Menu</i>	
Dashboard	Dashboard View
Logout	Login View
Display Project	Display View

2.2.11 Dropdown Menu



This menu will be in the corner of every screen. It will allow the user to logout, select a project to display or, if the user is already in a project display view, allow them to go back to the dashboard.

LINKED VIEWS	
HYPERLINK	VIEW NAME
<i>Drop Down Menu</i>	
Dashboard	Dashboard View
Logout	Login View
Display Project	Display View