

Number	17	
Name	Add Permissions	
Summary	System Administrator adjusts the permissions of other users.	
Priority	5	
Preconditions	System Administrator has already defined the permissions which can be toggled for a user.	
Postconditions	The System Administrator has successfully added permission to the user.	
Primary Actor	System Administrator	
Secondary Actors		
Trigger	The System Administrator views the permissions of the user with the intent to add one of the permissions.	
Main Scenario	Step	Action
	1	System Administrator attempts to view user permissions from the editing panel for users settings.
	2	System Admin selects one or more of the current permissions afforded to the user.
	3	System Admin selects the permission(s) to add to the user.
	4	System Admin adds to the selected permission to the users afforded permissions.
Extensions	Step	Branching Action
Open Issues		

Number	18	
Name	Revoke Permissions	
Summary	System Administrator adjusts the permissions of other users.	
Priority	5	
Preconditions	System Administrator has already defined the permissions which can be toggled for a user.	
Postconditions	The System Administrator has successfully removed permission to the user.	
Primary Actor	System Administrator	
Secondary Actors		
Trigger	The System Administrator views the permissions of the user with the intent to remove one of the permissions.	
Main Scenario	Step	Action
	1	System Admin attempts to view user permissions from the editing panel for users settings.
	2	System Admin selects one or more of the current permissions afforded to the user.
	3	System Admin selects the permission(s) to remove from the user.
	4	System Admin removed to the selected permission from the users afforded permissions.
Extensions	Step	
Open Issues		

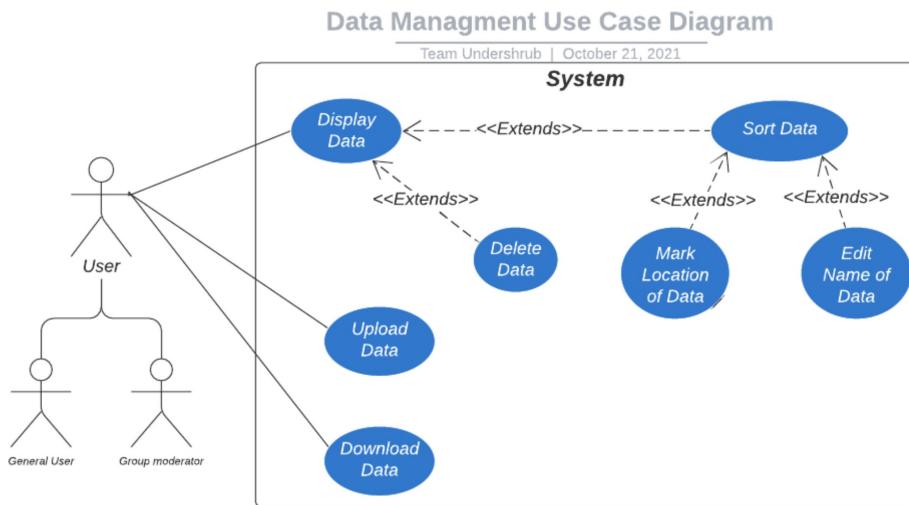


Figure 4: This is a representation of how users will be able to interact with their data

Number	19										
Name	Display Data										
Summary	This Displays the data to the user										
Priority	5										
Preconditions	The user must have data loaded or saved to the database										
Postconditions	The users data will be loaded										
Primary Actor	User										
Secondary Actors	Database										
Trigger	The user selects the data they want to display										
Main Scenario	<table border="1"> <thead> <tr> <th>Step</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>After successful login, the user selects from a list of stored data</td> </tr> <tr> <td>2</td> <td>The system retrieves the data from the database</td> </tr> <tr> <td>3</td> <td>The system displays the data to the user</td> </tr> <tr> <td>5</td> <td>The user begins to perform actions on the data</td> </tr> </tbody> </table>	Step	Action	1	After successful login, the user selects from a list of stored data	2	The system retrieves the data from the database	3	The system displays the data to the user	5	The user begins to perform actions on the data
Step	Action										
1	After successful login, the user selects from a list of stored data										
2	The system retrieves the data from the database										
3	The system displays the data to the user										
5	The user begins to perform actions on the data										
Extensions	<table border="1"> <thead> <tr> <th>Step</th> <th>Branching Action</th> </tr> </thead> <tbody> <tr> <td>5a</td> <td>The user begins to perform actions on the data : 5a1. Sort Data 5a2. Edit Data 5a3. Delete Data</td> </tr> </tbody> </table>	Step	Branching Action	5a	The user begins to perform actions on the data : 5a1. Sort Data 5a2. Edit Data 5a3. Delete Data						
Step	Branching Action										
5a	The user begins to perform actions on the data : 5a1. Sort Data 5a2. Edit Data 5a3. Delete Data										
Open Issues											

Number	20	
Name	Upload Data	
Summary	This menu option will allow a user to upload data.	
Priority	5	
Preconditions	The user must be logged in and in good standing (paid)	
Postconditions	The users data is saved to the database successfully	
Primary Actor	Paid User	
Secondary Actors	Data Database	
Trigger	The user selects the upload data option	
Main Scenario	Step	Action
	1	The user selects the upload data option
	2	The system displays a new window displaying the users options of upload
	3	The user selects the data they want to upload
	4	The user hits the ok/upload button
	5	The system uploads the data to the database
	6	The system adds the data to the users data list
	7	The system closes the upload data window
Extensions	Step	Branching Action
	4a	The user hits the ok/upload button : 4a1. The user selects the upload button 4a2. The user selects the cancel button
Open Issues		

Number	21	
Name	Download Data	
Summary	This allows user to be able to download their saved data	
Priority	5	
Preconditions	The user must be logged in and pre-existing data belonging to the user must exist	
Postconditions	The users data is downloaded successfully	
Primary Actor	Paid User	
Secondary Actors	Data Database	
Trigger	The user selects the Download Data option	
Main Scenario	Step	Action
	1	The user selects from a list the data they want to download
	2	The user selects the download data option
	3	The system opens a new window display download locations on the users system
	4	The user selects the preferred download location and hits confirm button
	5	The system queries the database for the requested data
	6	The system begins the download process
	7	The system displays a download complete message
Extensions	Step	Branching Action
Open Issues		

Number	22	
Name	Delete Data	
Summary	This option allows a user to delete their own data on the database	
Priority	5	
Preconditions	The user must be logged in and be the owner of the data	
Postconditions	The data is removed from the database	
Primary Actor	User	
Secondary Actors	Data Database	
Trigger	The user selects the delete data option	
Main Scenario	Step	Action
	1	The user selects the data they wish to delete
	2	The user selects the delete data button
	3	The system prompts the user with a "Are you sure?" warning
	4	The user selects their option
	5	The system performs the action requested by the user
Extensions	Step	Branching Action
	1a	The system performs the action requested by the user : 5a1. The data is deleted from the database 5a2. The data is not deleted from the database

Number	23	
Name	Sort Data	
Summary	The option will allow a user to sort their data	
Priority	3	
Preconditions	A user must be logged in, in good standing and have pre-existing data	
Postconditions	The data is sorted according to users needs	
Primary Actor	User	
Secondary Actors	Data Database	
Trigger	The user selects the sort data option	
Main Scenario	Step	Action
	1	The user selects the sort data option
	2	The user selects how they want their data sorted
	3	The system sorts the data according to the users request
	4	The system saves the data according to the requested sort
	5	The system refreshes the data in the list
Extensions	Step	Branching Action
Open Issues		

Number	24	
Name	Mark Location of Data	
Summary	This allows a user to be able to mark locations in their data so that they can show it to other members and plan out development	
Priority	4	
Preconditions	A user must be authenticated, in good standing, and have pre-existing data	
Postconditions	The data will have the users designated marks	
Primary Actor	User	
Secondary Actors	Data Database	
Trigger	The user selects the Mark Location option	
Main Scenario	Step	Action
	1	The user selects the Mark Location option
	2	The user selects the point in which they want to mark
	3	The system saves the location mark to the database
Extensions	Step	Branching Action
Open Issues		

Number	25	
Name	Edit Name of Data	
Summary	This will allow a user to be able to edit the name of their data set	
Priority	4	
Preconditions	A user must be logged in, in good standing, and have pre-existing data	
Postconditions	The name of the data or data set is changed successfully	
Primary Actor	User	
Secondary Actors	Data database	
Trigger	The user selects the edit data name option	
Main Scenario	Step	Action
	1	The user selects the edit data name option
	2	The system brings up an editable text box/window
	3	The system prompts the user with a flashing line to indicate they can type
	4	The user enters the desired name and hits the ok button
	5	The system saves the name change to the database
	6	The system updates the users data list
Extensions	Step	Branching Action
Open Issues		

Data Management Use Case Diagram

Team Undersharp | October 21, 2021

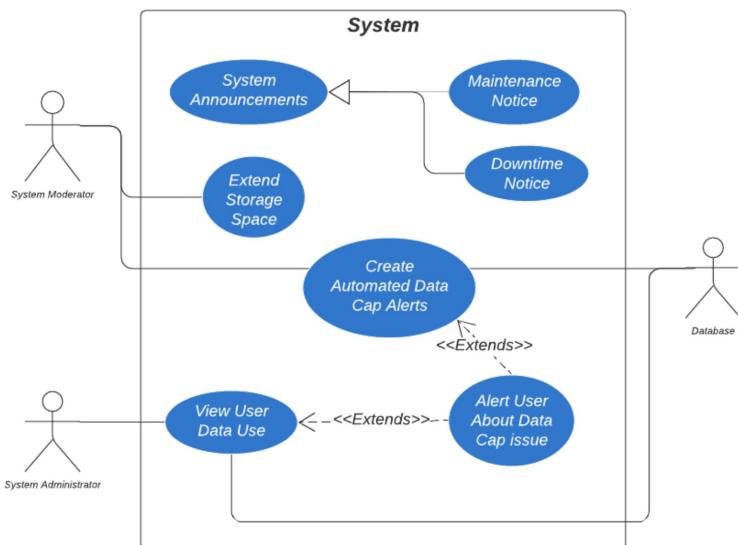


Figure 5: This detail how a administrator or moderator will be able to manage groups and announcements

Number	26										
Name	System Announcements										
Summary	System Announcement occurs naturally or a System Admin constructs a specific announcement.										
Priority	3										
Preconditions	An event occurs such that a system announcement is necessary.										
Postconditions	An announcement is posted that is visible for all users.										
Primary Actor	System.										
Secondary Actors	System Administrator.										
Trigger	An event occurs triggering the need for a system announcement.										
Main Scenario	<table border="1"> <thead> <tr> <th>Step</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>An technical problem or event occurs, or is set to occur, and the system prepares a notice.</td> </tr> <tr> <td>2</td> <td>The system displays an announcement to all users.</td> </tr> <tr> <td>3</td> <td>User(s) view the announcement.</td> </tr> <tr> <td>4</td> <td>System displays specific information regarding the announcement.</td> </tr> </tbody> </table>	Step	Action	1	An technical problem or event occurs, or is set to occur, and the system prepares a notice.	2	The system displays an announcement to all users.	3	User(s) view the announcement.	4	System displays specific information regarding the announcement.
Step	Action										
1	An technical problem or event occurs, or is set to occur, and the system prepares a notice.										
2	The system displays an announcement to all users.										
3	User(s) view the announcement.										
4	System displays specific information regarding the announcement.										
Extensions	<table border="1"> <thead> <tr> <th>Step</th> <th>Branching Action</th> </tr> </thead> <tbody> <tr> <td>1a</td> <td>< Custom Announcement > : System Administrator creates a custom announcement.</td> </tr> <tr> <td>1a2</td> <td>< Display New Announcement > : System displays the custom announcement.</td> </tr> <tr> <td>2a</td> <td>< Detailed Announcement > : System creates an announcement with information regarding the reason/details behind the announcement.</td> </tr> <tr> <td>2a2</td> <td>< Administrator Notice > : System sends a unique announcement to the System Administrator.</td> </tr> </tbody> </table>	Step	Branching Action	1a	< Custom Announcement > : System Administrator creates a custom announcement.	1a2	< Display New Announcement > : System displays the custom announcement.	2a	< Detailed Announcement > : System creates an announcement with information regarding the reason/details behind the announcement.	2a2	< Administrator Notice > : System sends a unique announcement to the System Administrator.
Step	Branching Action										
1a	< Custom Announcement > : System Administrator creates a custom announcement.										
1a2	< Display New Announcement > : System displays the custom announcement.										
2a	< Detailed Announcement > : System creates an announcement with information regarding the reason/details behind the announcement.										
2a2	< Administrator Notice > : System sends a unique announcement to the System Administrator.										
Open Issues											

Number	27	
Name	Maintenance Notice	
Summary	System creates/displays a maintenance notice.	
Priority	3	
Preconditions	Maintenance is planned to occur, information regarding the maintenance exists.	
Postconditions	Maintenance notice displays to all users.	
Primary Actor	System	
Secondary Actors	System Administrator	
Trigger	System Administrator gives the system information regarding future maintenance downtime.	
Main Scenario	Step	Action
	1	The System Administrator puts together information regarding future maintenance.
	2	System Administrator provides the System with information regarding future maintenance.
	3	System stores maintenance information.
	4	Upon reaching a predefined point of time away from the maintenance date, the System attempts to create a maintenance notice.
	5	System pulls previously provided information on the maintenance period.
	6	System compiles information into the notice, including an estimate on the length of server downtime.
	7	System puts out a general user announcement regarding server maintenance.
Extensions	Step	Branching Action
	4a	< Unregistered Maintenance > : If a maintenance is scheduled on short notice, and limited information is provided, pull the information and attempt to create a basic maintenance announcement.
	7a	< Administrator Announcement > : Create a unique, and more detailed, announcement specific to System Administrators.
	7a2	< Receiving Announcement > : System sends out the uniquely generated notice to only System Administrators.
Open Issues	< list of issues awaiting decisions that affect the use case >	

Number	28	
Name	Downtime Notice	
Summary	System sends out a notice that services are down.	
Priority	5	
Preconditions	Unforeseen downtime occurs.	
Postconditions	All users and administrators are alerted about services being unavailable.	
Primary Actor	System	
Secondary Actors	General users, System Administrators.	
Trigger	Services become unavailable.	
Main Scenario	Step	Action
	1	System detects that services have become unavailable
	2	System compiles an announcement regarding a lack of service.
	3	System compiles a second notification meant for System Admins, offering greater details on the nature of the current downtime.
	4	System puts out the announcements for both general users and System Administrators.
Extensions	Step	Branching Action
	1a	< Lack of Notice >: System does not detect a lack of available services.
	1a2	< Manual Notice >: System Administrator files a manual notice of downtime to the system, allowing for an announcement to be created for all general users.
	3a	< Lack of Details >: System does not have the information needed to properly break down the situation for System Administrators.
	3a1	< Basic Response >: System provides a basic notification for System Administrators with notice for what information is missing.
Open Issues		

Number	29	
Name	Extend Storage Space	
Summary	System Administrator extends the data storage of a general user without the need for the user to pay.	
Priority	5	
Preconditions	System Administrator logged in.	
Postconditions	System Administrator extends the storage space for every selected user.	
Primary Actor	System Administrator	
Secondary Actors		
Trigger	System Administrator sees a need to extend storage space for one or more users.	
Main Scenario	Step	Action
	1	System Administrator chooses to view the data usage of all users.
	2	System Administrator selects a particular user.
	3	System Administrator chooses to increase the storage space of the selected user.
	4	System prompts System Administrator for confirmation.
	5	System Administrator confirms their request to increase user storage space.
	6	System brings System Administrator to a view window with options for increasing storage space.
	7	System Administrator chooses the amount of space extension as well as duration of extension.
Extensions	Step	Branching Action
	2a	< Multi-Selection > : System Administrator chooses to select multiple users for storage space expansion.
	5a	< Confirmation Denial > : System Administrator decides against increasing the user's storage space.
	5a2	< System Response > : System displays a confirmation that the attempt to increase user storage space was cancelled.
Open Issues		

Number	30	
Name	View User Data Use	
Summary	System Moderator views the data usage of a particular user or users.	
Priority	4	
Preconditions	Some amount of general users exist and are using the provided services.	
Postconditions	System Moderator successfully views the data use of one or more users.	
Primary Actor	System Moderator, System Administrator (has access to the same permissions)	
Secondary Actors	System, general users.	
Trigger	System Moderator attempts to retrieve information regarding user data use.	
Main Scenario	Step	Action
	1	System Moderator chooses to view the data use of all current users.
	2	System retrieves and displays a running list of all users and their data use.
	3	System Moderator chooses to narrow the search results to either a particular user, group of users, or users that have used a specific amount of storage space.
	4	System refines the list of users as specified, and displays the result.
Extensions	Step	Branching Action
	3a	< Invalid Search > : If a search comes up with no users to view the data of, the system displays a special notice in place of the user list.
Open Issues		

Number	31	
Name	Alert User of Data Cap Issue	
Summary	System Moderator alerts the user regarding an issue with their data cap or data usage.	
Priority	3	
Preconditions	Some amount of general users are using the provided service, some of those users have uploaded data and have potentially drawn close to the data limit.	
Postconditions	Some general user (or multiple users) receive an alert regarding an issue with their data cap.	
Primary Actor	System Moderator, System Administrator (has access to the same permissions)	
Secondary Actors	General users	
Trigger	System Moderator sees a visible issue with a user's data cap.	
Main Scenario	Step	Action
	1	System Moderator views a user's data use.
	2	System retrieves information regarding the data use, and displays it.
	3	System Moderator sees that the individual is close to reaching their data cap.
	4	System Moderator uses the data use interface to make a notice specifically for that user.
	5	System Moderator submits the data use notice.
	6	System alerts the particular user using the given notice.
Extensions	Step	Branching Action
	1a	< Multi-Selection > : System Moderator selects to view the data use of multiple users at once.
	4a	< Multi-Notice > : System Moderator writes a notice that can be sent to any number of users experiencing data cap issues.
Open Issues		

Number	32	
Name	Create Automated Data Cap Alerts	
Summary	System Administrator creates automated alerts that alert users to data cap issues.	
Priority	3	
Preconditions	System Administrator is logged in.	
Postconditions	System Administrator creates a custom alert that goes off under defined conditions.	
Primary Actor	System Administrator	
Secondary Actors	System	
Trigger	System Administrator views the current list of automated data cap alerts.	
Main Scenario	Step	Action
	1	System Administrator attempts to add a new data cap alert.
	2	System prompts System Administrator with a view window that contains conditions, contents, and options for the alert.
	3	System Administrator picks conditions for when, and how often, the alert will be given to a user.
	4	System Administrator fills out the contents of the alert.
	5	System Administrator submits the new alert to the system.
	6	System receives the new alert, and begins sending the alert to users which it applies to.
Extensions	Step	Branching Action
	5a	< Alert Delay >: The System Administrator chooses to put a delay on the alert, making the alert inactive for the specified period of time.
Open Issues		

General User Use Case Diagram

Team Undershrub | October 21, 2021

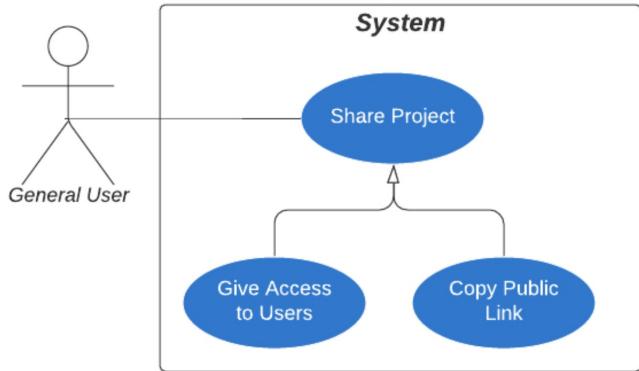


Figure 6: This shows how and what options users will have with projects

Number	33												
Name	Share Project												
Summary	This will allow a user to share access to any project they have the right to.												
Priority	4												
Preconditions	General User has permissions to share project.												
Postconditions	Project is available to other users.												
Primary Actor	General User												
Secondary Actors	System												
Trigger	General User clicks a "share project" button.												
Main Scenario	<table border="1"> <thead> <tr> <th>Step</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>General User clicks a "share project" button.</td> </tr> <tr> <td>2</td> <td>System prompts General User to select a method of sharing.</td> </tr> <tr> <td>3</td> <td>General User gives access to one or more users via the selected method.</td> </tr> <tr> <td>4</td> <td>General User confirms choice(s).</td> </tr> <tr> <td>5</td> <td>System grants access to other users.</td> </tr> </tbody> </table>	Step	Action	1	General User clicks a "share project" button.	2	System prompts General User to select a method of sharing.	3	General User gives access to one or more users via the selected method.	4	General User confirms choice(s).	5	System grants access to other users.
Step	Action												
1	General User clicks a "share project" button.												
2	System prompts General User to select a method of sharing.												
3	General User gives access to one or more users via the selected method.												
4	General User confirms choice(s).												
5	System grants access to other users.												
Extensions	<table border="1"> <thead> <tr> <th>Step</th> <th>Branching Action</th> </tr> </thead> <tbody> <tr> <td>3a</td> <td>General User instead cancels action : General User closes the prompt, canceling the action.</td> </tr> </tbody> </table>	Step	Branching Action	3a	General User instead cancels action : General User closes the prompt, canceling the action.								
Step	Branching Action												
3a	General User instead cancels action : General User closes the prompt, canceling the action.												
Open Issues	Define "access".												

Number	34
Name	Give Access to Users
Summary	This will allow a user to share access to any project to specific accounts.
Priority	4
Preconditions	General User has permissions to share project.
Postconditions	Project is available to specific accounts.
Primary Actor	General User
Secondary Actors	System
Trigger	General User clicks a "share project" button.
Main Scenario	Step Action
	1 General User clicks a "share project" button.
	2 System prompts General User to select a method of sharing.
	3 General User selects one or more user accounts to share access with.
	4 General User confirms selection.
	5 System grants access to selected users.
Extensions	Step Branching Action
	3a General User instead cancels action : General User closes the prompt, canceling the action.
Open Issues	Define "access".

Number	35
Name	Copy Public Link
Summary	This will allow a user to share access to any project to specific accounts.
Priority	4
Preconditions	General User has permissions to share project.
Postconditions	Project is available to specific accounts.
Primary Actor	General User
Secondary Actors	System
Trigger	General User clicks a "share project" button.
Main Scenario	Step Action
	1 General User clicks a "share project" button.
	2 System prompts General User to select a method of sharing.
	3 General User clicks a "generate link" button.
	4 System generates a usable link.
	5 System copies generated link to General User's clipboard.
	6 System grants access to users through generated link.
Extensions	Step Branching Action
	3a General User instead cancels action : General User closes the prompt, canceling the action.
Open Issues	Define "access".

Group Moderator Moderation Use Case Diagram

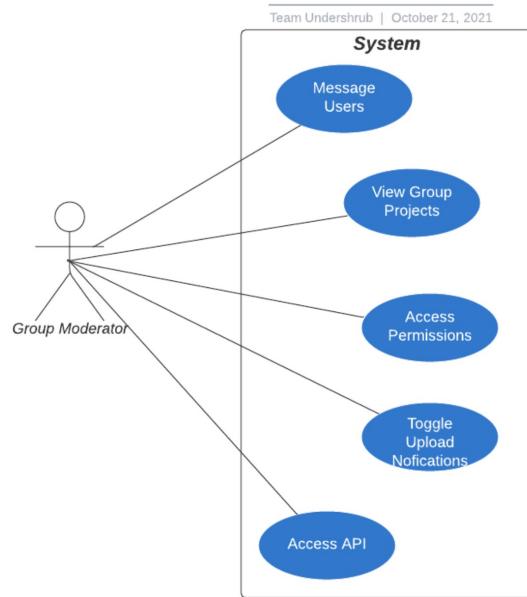


Figure 7: This details how moderators will be able to manage groups

Number	36																
Name	Message Users																
Summary	Group Moderator sends a message to all users in the group.																
Priority	3																
Preconditions	Group Moderator has permissions to do this action.																
Postconditions	< conditions that will be true after the use case completes >																
Primary Actor	Group Moderator																
Secondary Actors	System																
Trigger	Group Moderator clicks a "message users" button.																
Main Scenario	<table border="1"> <thead> <tr> <th>Step</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Group Moderator clicks a "message users" button.</td> </tr> <tr> <td>2</td> <td>System prompts Group Moderator to make message contents.</td> </tr> <tr> <td>3</td> <td>Group Moderator types/uploads message contents.</td> </tr> <tr> <td>4</td> <td>Group Moderator confirms contents.</td> </tr> <tr> <td>5</td> <td>System prompts Group Moderator to confirm again, showing a message preview.</td> </tr> <tr> <td>6</td> <td>Group Moderator confirms message.</td> </tr> <tr> <td>7</td> <td>System sends message to all users in group.</td> </tr> </tbody> </table>	Step	Action	1	Group Moderator clicks a "message users" button.	2	System prompts Group Moderator to make message contents.	3	Group Moderator types/uploads message contents.	4	Group Moderator confirms contents.	5	System prompts Group Moderator to confirm again, showing a message preview.	6	Group Moderator confirms message.	7	System sends message to all users in group.
Step	Action																
1	Group Moderator clicks a "message users" button.																
2	System prompts Group Moderator to make message contents.																
3	Group Moderator types/uploads message contents.																
4	Group Moderator confirms contents.																
5	System prompts Group Moderator to confirm again, showing a message preview.																
6	Group Moderator confirms message.																
7	System sends message to all users in group.																
Extensions	<table border="1"> <thead> <tr> <th>Step</th> <th>Branching Action</th> </tr> </thead> <tbody> <tr> <td>3a</td> <td>Group Moderator cancels action : System closes the prompt, canceling the action.</td> </tr> <tr> <td>6a</td> <td>Group Moderator instead cancels message : System reverts the action to step 2.</td> </tr> </tbody> </table>	Step	Branching Action	3a	Group Moderator cancels action : System closes the prompt, canceling the action.	6a	Group Moderator instead cancels message : System reverts the action to step 2.										
Step	Branching Action																
3a	Group Moderator cancels action : System closes the prompt, canceling the action.																
6a	Group Moderator instead cancels message : System reverts the action to step 2.																
Open Issues																	

Number	37	
Name	View Group Project	
Summary	The System displays information about a project to the General User.	
Priority	5	
Preconditions	General User has permissions to view the project.	
Postconditions	Project is displayed.	
Primary Actor	General User	
Secondary Actors	System	
Trigger	General User prompts System to display the project.	
Main Scenario	Step	Action
	1	General User prompts the System to display a project.
	2	System displays the project.
Extensions	Step	Branching Action
Open Issues		

Number	38	
Name	Access Permissions	
Summary	Group Moderators can access permissions.	
Priority	4	
Preconditions		
Postconditions	< conditions that will be true after the use case completes >	
Primary Actor	Group Moderator	
Secondary Actors	System	
Trigger	Group Moderator decides to access group permissions.	
Main Scenario	Step	Action
	1	Group Moderator decides to access group permissions.
	2	System displays group permissions to the Group Moderator.
Extensions	Step	Branching Action
	2a	Group Moderator decides to edit permissions : System waits to confirm changes and applies them.
Open Issues		

Number	39
Name	Toggle Upload Notifications
Summary	Group Moderator can choose to receive a notification whenever content is uploaded to the project.
Priority	3
Preconditions	System displays status of toggle.
Postconditions	System displays status of toggle.
Primary Actor	Group Moderator
Secondary Actors	System
Trigger	Group Moderator triggers toggle.
Main Scenario	Step Action
	2 Group Moderator triggers toggle.
Extensions	Step Branching Action
Open Issues	

Number	40
Name	Access API
Summary	API to allow Group Moderators to automate tasks.
Priority	2
Preconditions	Group Moderator determines a need to automate a task.
Postconditions	System performs an action determined by the Group Moderator.
Primary Actor	Group Moderator
Secondary Actors	System API
Trigger	Group Moderator interacts with System API
Main Scenario	Step Action
	1 Group Moderator interacts with System API
Extensions	Step Branching Action
Open Issues	API documentation is probably needed. Scope of API should be determined.

General User Request Use Case Diagram

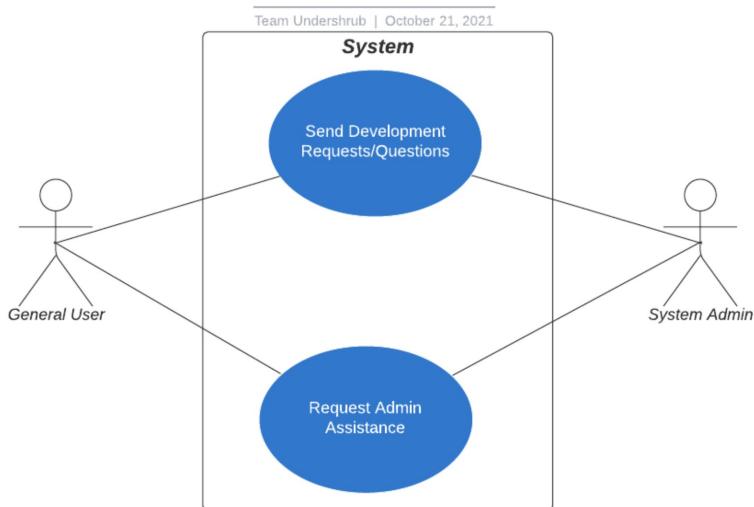


Figure 8: This shows how a user will be able to interact with the user support system

Number	41												
Name	Send Development Requests/Questions												
Summary	This allows a non-paid user to be able to contact Blue Marble system admin so that they can ask questions and tailor the software to their personal needs.												
Priority	3												
Preconditions	The general user clicks the Contact Us button on the homepage												
Postconditions	The question will be sent to the system admin												
Primary Actor	General User												
Secondary Actors													
Trigger	The general user clicks the Contact Us button												
Main Scenario	<table border="1"> <thead> <tr> <th>Step</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>The user navigates to the homepage of the web portal</td> </tr> <tr> <td>2</td> <td>The user clicks on the Contact Us button</td> </tr> <tr> <td>3</td> <td>The system navigates to the contact form subpage</td> </tr> <tr> <td>4</td> <td>The system displays the contact form to the user</td> </tr> <tr> <td>5</td> <td>The user selects the Ask a Question radio button</td> </tr> </tbody> </table>	Step	Action	1	The user navigates to the homepage of the web portal	2	The user clicks on the Contact Us button	3	The system navigates to the contact form subpage	4	The system displays the contact form to the user	5	The user selects the Ask a Question radio button
Step	Action												
1	The user navigates to the homepage of the web portal												
2	The user clicks on the Contact Us button												
3	The system navigates to the contact form subpage												
4	The system displays the contact form to the user												
5	The user selects the Ask a Question radio button												
Extensions	<table border="1"> <thead> <tr> <th>Step</th> <th>Branching Action</th> </tr> </thead> <tbody> <tr> <td>4a</td> <td>The system displays the contact form to the user: 4a1. The user can select Ask a Question or Request assistance</td> </tr> </tbody> </table>	Step	Branching Action	4a	The system displays the contact form to the user: 4a1. The user can select Ask a Question or Request assistance								
Step	Branching Action												
4a	The system displays the contact form to the user: 4a1. The user can select Ask a Question or Request assistance												
Open Issues													

Number	42	
Name	Request Admin Assistance	
Summary	This allows a non-paid user to be able to contact Blue Marble system admin so that they can request assistance	
Priority	3	
Preconditions	The general user clicks the Contact Us button on the homepage	
Postconditions	The question/request will be sent to the system admin	
Primary Actor	General User	
Secondary Actors		
Trigger	The general user clicks the Contact Us button	
Main Scenario	Step	Action
	1	The user navigates to the homepage of the web portal
	2	The user clicks on the Contact Us button
	3	The system navigates to the contact form subpage
	4	The system displays the contact form to the user
	5	The user chooses the Request Assistance radio button
Extensions	Step	Branching Action
	4a	The system displays the contact form to the user: 4a1. The user can select Ask a Question or Request assistance
Open Issues		

Project Management Use Case Diagram

Team Undershrub | October 21, 2021

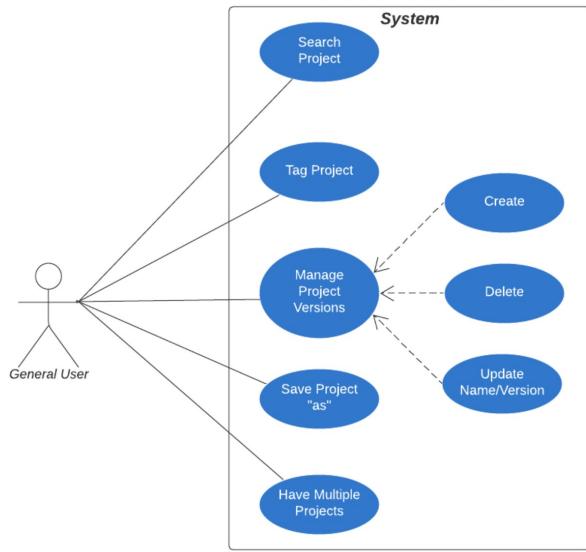


Figure 9: This figure details the users options and how they will interact with the project management system

Number	43												
Name	Search Project												
Summary	General User searches for matching content in a project.												
Priority	3												
Preconditions	General User has access to view the project.												
Postconditions	System displays references to matching content in the project to the user.												
Primary Actor	General User												
Secondary Actors	System												
Trigger	General User triggers System to search project.												
Main Scenario	<table border="1"> <thead> <tr> <th>Step</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>General User triggers System to search project.</td> </tr> <tr> <td>2</td> <td>System prompts General User to specify content to match.</td> </tr> <tr> <td>3</td> <td>General User enters content to match.</td> </tr> <tr> <td>4</td> <td>System searches for matching content in the entire project.</td> </tr> <tr> <td>5</td> <td>System displays references to matching content in the project.</td> </tr> </tbody> </table>	Step	Action	1	General User triggers System to search project.	2	System prompts General User to specify content to match.	3	General User enters content to match.	4	System searches for matching content in the entire project.	5	System displays references to matching content in the project.
Step	Action												
1	General User triggers System to search project.												
2	System prompts General User to specify content to match.												
3	General User enters content to match.												
4	System searches for matching content in the entire project.												
5	System displays references to matching content in the project.												
Extensions	<table border="1"> <thead> <tr> <th>Step</th> <th>Branching Action</th> </tr> </thead> <tbody> <tr> <td>3a</td> <td>General User instead cancels operation : The action is canceled.</td> </tr> </tbody> </table>	Step	Branching Action	3a	General User instead cancels operation : The action is canceled.								
Step	Branching Action												
3a	General User instead cancels operation : The action is canceled.												
Open Issues	What content can be matched?												

Number	44										
Name	Tag Project										
Summary	General User adds/removes one or more tags to a project.										
Priority	3										
Preconditions	General User has permissions to edit tags.										
Postconditions	Project tags are different.										
Primary Actor	General User										
Secondary Actors	System										
Trigger	General User prompts System to change project tags.										
Main Scenario	<table border="1"> <thead> <tr> <th>Step</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>General User prompts System to change project tags.</td> </tr> <tr> <td>2</td> <td>System displays current tags to General User.</td> </tr> <tr> <td>3</td> <td>General User selects tags to add/remove.</td> </tr> <tr> <td>4</td> <td>System updates project tags accordingly.</td> </tr> </tbody> </table>	Step	Action	1	General User prompts System to change project tags.	2	System displays current tags to General User.	3	General User selects tags to add/remove.	4	System updates project tags accordingly.
Step	Action										
1	General User prompts System to change project tags.										
2	System displays current tags to General User.										
3	General User selects tags to add/remove.										
4	System updates project tags accordingly.										
Extensions	<table border="1"> <thead> <tr> <th>Step</th> <th>Branching Action</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Step	Branching Action								
Step	Branching Action										
Open Issues	Where are tags created: in this action or in a separate action?										

Number	45										
Name	Manage Project Versions										
Summary	General user manages project version										
Priority	3										
Preconditions	General User has permissions to view/manage project versions. System displays project versions.										
Postconditions	Versions set for a project are modified.										
Primary Actor	General User										
Secondary Actors	System										
Trigger	General User decides to modify project versions.										
Main Scenario	<table border="1"> <thead> <tr> <th>Step</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>General User decides to modify project versions.</td> </tr> <tr> <td>2</td> <td>System prompts General User on how to modify versions.</td> </tr> <tr> <td>3</td> <td>General User enters information and confirms.</td> </tr> <tr> <td>4</td> <td>System modifies project versions.</td> </tr> </tbody> </table>	Step	Action	1	General User decides to modify project versions.	2	System prompts General User on how to modify versions.	3	General User enters information and confirms.	4	System modifies project versions.
Step	Action										
1	General User decides to modify project versions.										
2	System prompts General User on how to modify versions.										
3	General User enters information and confirms.										
4	System modifies project versions.										
Extensions	<table border="1"> <thead> <tr> <th>Step</th> <th>Branching Action</th> </tr> </thead> <tbody> <tr> <td>1a</td> <td>General User instead cancels action : The action is cancelled.</td> </tr> </tbody> </table>	Step	Branching Action	1a	General User instead cancels action : The action is cancelled.						
Step	Branching Action										
1a	General User instead cancels action : The action is cancelled.										
Open Issues											

Number	46	
Name	Save Project "as"	
Summary	Creates a copy of a project.	
Priority	3	
Preconditions	General User has permissions to create a project.	
Postconditions	A new project is created as a copy of another.	
Primary Actor	General User	
Secondary Actors	System	
Trigger	General User clicks "copy project" button.	
Main Scenario	Step	Action
	1	General User clicks "copy project" button.
	2	System prompts General User for a name.
	3	General User enters a name and confirms.
	4	System creates a new project with the given name by copying the selected project.
Extensions	Step	Branching Action
	1a	General User instead cancels action : The action is cancelled.
Open Issues		

Number	47	
Name	Have Multiple Projects	
Summary	Users can have multiple projects in their account.	
Priority	5	
Preconditions	General user has the appropriate amount of storage space on their account.	
Postconditions	General user may have multiple projects.	
Primary Actor	General user	
Secondary Actors	System	
Trigger	General user creates an account and tries to upload projects or data.	
Main Scenario	Step	Action
	1	General user attempts to upload multiple projects.
	2	System checks for user's available space.
	3	If System confirms positive space availability the user can create more projects.
Extensions	Step	Branching Action
	3a	< Negative Space Availability > : If the user has negative space availability they are denied the right to have more projects.
Open Issues		

Number	48										
Name	Update/Name Version										
Summary	The name and version number of a project is editable.										
Priority	3										
Preconditions	General User has permissions to edit project versions.										
Postconditions	Project version name/number changes.										
Primary Actor	General User										
Secondary Actors	System										
Trigger	General User clicks "edit name/number" button.										
Main Scenario	<table border="1"> <thead> <tr> <th>Step</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>General User clicks "edit name/number" button.</td> </tr> <tr> <td>2</td> <td>System prompts General User for new name/number.</td> </tr> <tr> <td>3</td> <td>General User enters a new name/number and confirms.</td> </tr> <tr> <td>4</td> <td>System updates project version name/number.</td> </tr> </tbody> </table>	Step	Action	1	General User clicks "edit name/number" button.	2	System prompts General User for new name/number.	3	General User enters a new name/number and confirms.	4	System updates project version name/number.
Step	Action										
1	General User clicks "edit name/number" button.										
2	System prompts General User for new name/number.										
3	General User enters a new name/number and confirms.										
4	System updates project version name/number.										
Extensions	<table border="1"> <thead> <tr> <th>Step</th> <th>Branching Action</th> </tr> </thead> <tbody> <tr> <td>3a</td> <td>General User instead cancels action : The action is cancelled.</td> </tr> </tbody> </table>	Step	Branching Action	3a	General User instead cancels action : The action is cancelled.						
Step	Branching Action										
3a	General User instead cancels action : The action is cancelled.										
Open Issues											

Number	49										
Name	Create										
Summary	Create a project version.										
Priority	3										
Preconditions	General User has permissions to create project versions.										
Postconditions	A new project version is created.										
Primary Actor	General User										
Secondary Actors	System										
Trigger	General User clicks a "create version" button.										
Main Scenario	<table border="1"> <thead> <tr> <th>Step</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>General User clicks a "create version" button.</td> </tr> <tr> <td>2</td> <td>System prompts General User for name and number.</td> </tr> <tr> <td>3</td> <td>General User enters name and number and confirms.</td> </tr> <tr> <td>4</td> <td>System creates a new project version.</td> </tr> </tbody> </table>	Step	Action	1	General User clicks a "create version" button.	2	System prompts General User for name and number.	3	General User enters name and number and confirms.	4	System creates a new project version.
Step	Action										
1	General User clicks a "create version" button.										
2	System prompts General User for name and number.										
3	General User enters name and number and confirms.										
4	System creates a new project version.										
Extensions	<table border="1"> <thead> <tr> <th>Step</th> <th>Branching Action</th> </tr> </thead> <tbody> <tr> <td>1a</td> <td>Entered name && number is taken : System repeats step 2.</td> </tr> <tr> <td>1b</td> <td>General User instead cancels action : The action is cancelled.</td> </tr> </tbody> </table>	Step	Branching Action	1a	Entered name && number is taken : System repeats step 2.	1b	General User instead cancels action : The action is cancelled.				
Step	Branching Action										
1a	Entered name && number is taken : System repeats step 2.										
1b	General User instead cancels action : The action is cancelled.										
Open Issues											

Number	50										
Name	Delete										
Summary	Delete a project version.										
Priority	3										
Preconditions	General User has permissions to delete projects.										
Postconditions	Project version is removed.										
Primary Actor	General User										
Secondary Actors	System										
Trigger	General User clicks a "delete version" button.										
Main Scenario	<table border="1"> <thead> <tr> <th>Step</th><th>Action</th></tr> </thead> <tbody> <tr> <td>1</td><td>General User clicks the "delete version" button.</td></tr> <tr> <td>2</td><td>System prompts General User to confirm action.</td></tr> <tr> <td>3</td><td>General User enters version name and number and confirms.</td></tr> <tr> <td>4</td><td>System removes project version.</td></tr> </tbody> </table>	Step	Action	1	General User clicks the "delete version" button.	2	System prompts General User to confirm action.	3	General User enters version name and number and confirms.	4	System removes project version.
Step	Action										
1	General User clicks the "delete version" button.										
2	System prompts General User to confirm action.										
3	General User enters version name and number and confirms.										
4	System removes project version.										
Extensions	<table border="1"> <thead> <tr> <th>Step</th><th>Branching Action</th></tr> </thead> <tbody> <tr> <td>3a</td><td>General User enters name/number incorrectly: System repeats step 2.</td></tr> <tr> <td>3b</td><td>General User instead cancels action : The action is cancelled.</td></tr> </tbody> </table>	Step	Branching Action	3a	General User enters name/number incorrectly: System repeats step 2.	3b	General User instead cancels action : The action is cancelled.				
Step	Branching Action										
3a	General User enters name/number incorrectly: System repeats step 2.										
3b	General User instead cancels action : The action is cancelled.										
Open Issues	Use buttons or menu options										

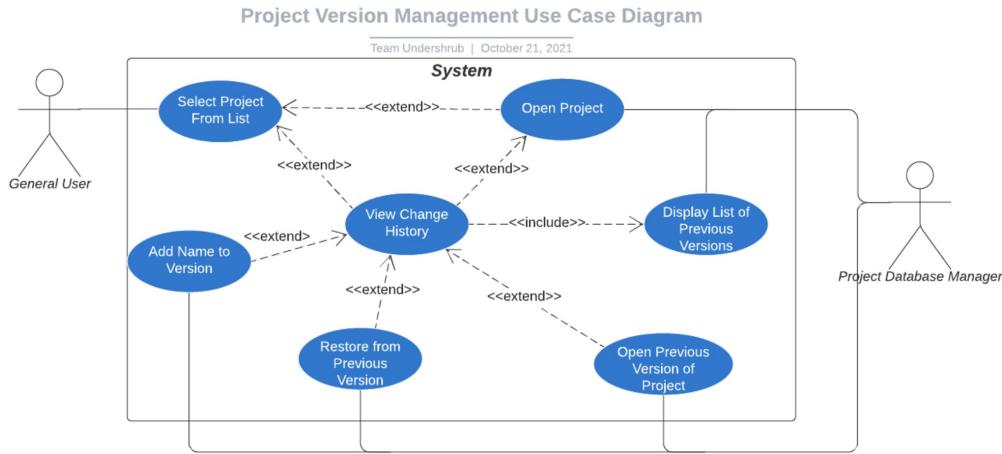


Figure 10: This shows the actors will be able to interact with project view user interface

Number	51	
Name	Select Project From List	
Summary	A general user will select one project from a list.	
Priority	2	
Preconditions	Some type of project has been added to a list in the users folders.	
Postconditions	The general user has selected a project from the list to view its contents.	
Primary Actor	General User	
Secondary Actors	Project Database Manager	
Trigger	The general user clicks the select project from the list button.	
Main Scenario	Step	Action
	1	The user clicks the "project select" button.
	2	The system alerts the database manager that a user is attempting access.
	3	The system checks if the user is allowed to access the project.
	4	The system performs the action requested by the user if they have valid permission.
Extensions	Step	Branching Action
	3a1.	The system checks if the user is allowed to access the project.
	3a2.	3a1. The system notices the user is not allowed to access. 3a2. The system notices the user is allowed to access.
	4a1.	The system performs the action requested by the user.
	4a2.	4a1. The system blocks the user's attempt to access the project. 4a2. The system allows the users to attempt to access the project
Open Issues		

Number	52	
Name	Add Name to Version	
Summary	The user attempts to add a name to a particular version of the project.	
Priority	2	
Preconditions	The version of data doesn't already have a name and the data exists.	
Postconditions	There will be a name added to a version of data within the project.	
Primary Actor	Project Database Manager	
Secondary Actors		
Trigger	Database manager attempts to name a file in the uploads.	
Main Scenario	Step	Action
	1	The manager triggers the system to add a name to a version of the data within the project.
	2	The system checks if the version already has a designated name.
	3	The system opens a text box allowing the manager to type in a name.
	4	The manager types in a name, pressing enter to close the textbox.
	5	The system sets the name of the version to the aforementioned user input.
Extensions	Step	Branching Action
	2a1.	The system checks if the version already has a designated name.
	2a2.	2b1. The system finds the version already has a name. 2b2. The system finds the version doesn't have a name.
	3a1.	The system opens a text box allowing the manager to type in a name.
	3a2.	3a1. If step 2a1 occurs, then the system does not open the textbox. 3a2. If step 2a2 occurs, then the system opens the textbox.
Open Issues		

Number	53												
Name	View Change History												
Summary	The database manager attempts to view the change history through the list of previous versions.												
Priority	3												
Preconditions	The manager has successfully opened the list of previous versions of the project.												
Postconditions	The manager will be able to view the numerous changes to the version history.												
Primary Actor	Database Manager												
Secondary Actors													
Trigger	The manager clicks the "view change history" button.												
Main Scenario	<table border="1"> <thead> <tr> <th>Step</th><th>Action</th></tr> </thead> <tbody> <tr> <td>1</td><td>The manager navigates the homepage of the web portal.</td></tr> <tr> <td>2</td><td>The manager clicks the "display list of previous versions" button.</td></tr> <tr> <td>3</td><td>The system opens the "list of previous versions" menu.</td></tr> <tr> <td>4</td><td>The manager navigates to the view change history button.</td></tr> <tr> <td>5</td><td>The system displays the "view change history" menu.</td></tr> </tbody> </table>	Step	Action	1	The manager navigates the homepage of the web portal.	2	The manager clicks the "display list of previous versions" button.	3	The system opens the "list of previous versions" menu.	4	The manager navigates to the view change history button.	5	The system displays the "view change history" menu.
Step	Action												
1	The manager navigates the homepage of the web portal.												
2	The manager clicks the "display list of previous versions" button.												
3	The system opens the "list of previous versions" menu.												
4	The manager navigates to the view change history button.												
5	The system displays the "view change history" menu.												
Extensions	<table border="1"> <thead> <tr> <th>Step</th><th>Branching Action</th></tr> </thead> <tbody> <tr> <td>2a1.</td><td>The system fails to display the "list of previous versions" menu.</td></tr> <tr> <td>5a1.</td><td>The system fails to display the "view change history" menu.</td></tr> </tbody> </table>	Step	Branching Action	2a1.	The system fails to display the "list of previous versions" menu.	5a1.	The system fails to display the "view change history" menu.						
Step	Branching Action												
2a1.	The system fails to display the "list of previous versions" menu.												
5a1.	The system fails to display the "view change history" menu.												
Open Issues													

Number	54												
Name	Open Project												
Summary	This case summarises the ability for a general user being able to open the project.												
Priority	4												
Preconditions	The general use has been added to the system by the database manager.												
Postconditions	The user can open the project to later edit or view it.												
Primary Actor	General User.												
Secondary Actor	Project Database Manager												
Trigger	The user has maneuvered to the "select project from list" menu with the plans to open a project.												
Main Scenario	<table border="1"> <thead> <tr> <th>Step</th><th>Action</th></tr> </thead> <tbody> <tr> <td>1</td><td>The user clicks the "select project from list" button.</td></tr> <tr> <td>2</td><td>The system presents the select project menu.</td></tr> <tr> <td>3</td><td>The user maneuvers to one of the projects within the menu, selecting it.</td></tr> <tr> <td>4</td><td>The system checks to see if the user has access to this project.</td></tr> <tr> <td>5</td><td>The system opens the project for the user to work with.</td></tr> </tbody> </table>	Step	Action	1	The user clicks the "select project from list" button.	2	The system presents the select project menu.	3	The user maneuvers to one of the projects within the menu, selecting it.	4	The system checks to see if the user has access to this project.	5	The system opens the project for the user to work with.
Step	Action												
1	The user clicks the "select project from list" button.												
2	The system presents the select project menu.												
3	The user maneuvers to one of the projects within the menu, selecting it.												
4	The system checks to see if the user has access to this project.												
5	The system opens the project for the user to work with.												
Extensions	<table border="1"> <thead> <tr> <th>Step</th><th>Branching Action</th></tr> </thead> <tbody> <tr> <td>4a1</td><td>The system checks to see if the user has access to this project.</td></tr> <tr> <td>4a2</td><td> <ul style="list-style-type: none"> 4a1. The system finds the user doesn't have access. 4a2. The system finds the user does have access. </td></tr> <tr> <td>5a1 5a2</td><td> <ul style="list-style-type: none"> 5a1. The system blocks the user from opening the project because they don't have proper access noted down in step 4. 5a2. The system allows the user to open the project. </td></tr> </tbody> </table>	Step	Branching Action	4a1	The system checks to see if the user has access to this project.	4a2	<ul style="list-style-type: none"> 4a1. The system finds the user doesn't have access. 4a2. The system finds the user does have access. 	5a1 5a2	<ul style="list-style-type: none"> 5a1. The system blocks the user from opening the project because they don't have proper access noted down in step 4. 5a2. The system allows the user to open the project. 				
Step	Branching Action												
4a1	The system checks to see if the user has access to this project.												
4a2	<ul style="list-style-type: none"> 4a1. The system finds the user doesn't have access. 4a2. The system finds the user does have access. 												
5a1 5a2	<ul style="list-style-type: none"> 5a1. The system blocks the user from opening the project because they don't have proper access noted down in step 4. 5a2. The system allows the user to open the project. 												
Open Issues													

Number	55	
Name	Display List of Previous Versions	
Summary	The database manager attempts to view the previous version of the project.	
Priority	3	
Preconditions	The project database exists.	
Postconditions	The database manager can use this menu to commit to other actions.	
Primary Actor	Project Database Manager	
Secondary Actors		
Trigger	The database manager navigates the menu to the "display previous versions" button.	
Main Scenario	Step	Action
	1	The database manager clicks the "display previous versions" button.
	2	The system will present the database manager with a list of previous versions.
Extensions	Step	Branching Action
Open Issues		

Number	56	
Name	Open Previous Version of Project	
Summary	The database manager attempts to open an older version of the project.	
Priority	3	
Preconditions	The project database exists.	
Postconditions	The database manager can use this menu to commit to other actions.	
Primary Actor	Project Database Manager	
Secondary Actors		
Trigger	The database manager navigates the menu to the "open previous versions" button.	
Main Scenario	Step	Action
	1	The database manager clicks the "open previous versions" button.
	2	The system will present the database manager with a list of previous versions.
	3	The database manager will choose a previous version to open.
	4	The system will present the chosen project version to show to the manager.
Extensions	Step	Branching Action
Open Issues		

Number	57	
Name	Restore from Previous Version	
Summary	The database manager attempts to reset changes from the project to a previous saved state.	
Priority	3	
Preconditions	A previous version of the project exists alongside a current version which has notable changes.	
Postconditions	The previous version of the project will override the current version of the project.	
Primary Actor	Project Database Manager	
Secondary Actors		
Trigger	The database manager attempts to change the current version from the repository.	
Main Scenario	Step	Action
	1	The database manager will open view the "previous versions" menu as they click the "restore previous version" button.
	2	The system will present a list of previous versions of the project alongside the current version being shown at the top.
	3	The database manager will click onto the project version he wishes to restore to the current version.
	4	The system will present a text box which says "are you sure you want to do this?" alongside two buttons for yes and no.
	5	The database manager will click their option.
	6	The system will close the textbox and not down the particular option.
	7	The system will either restore the version or ignore the previous command.
Extensions	Step	Branching Action
	5a1	The database manager will click their option.
	5a2	5a1 - The user clicks the "yes" button. 5a2 - The user clicks the "no" button.
	6a1 6a2	The system will either restore the version or ignore the previous command. 6a1 - If the user had previously clicked the "no" button then the system will not restore a previous version. 6a2 - If the user has clicked the "yes" button, then the system will restore the previous version.
Open Issues		

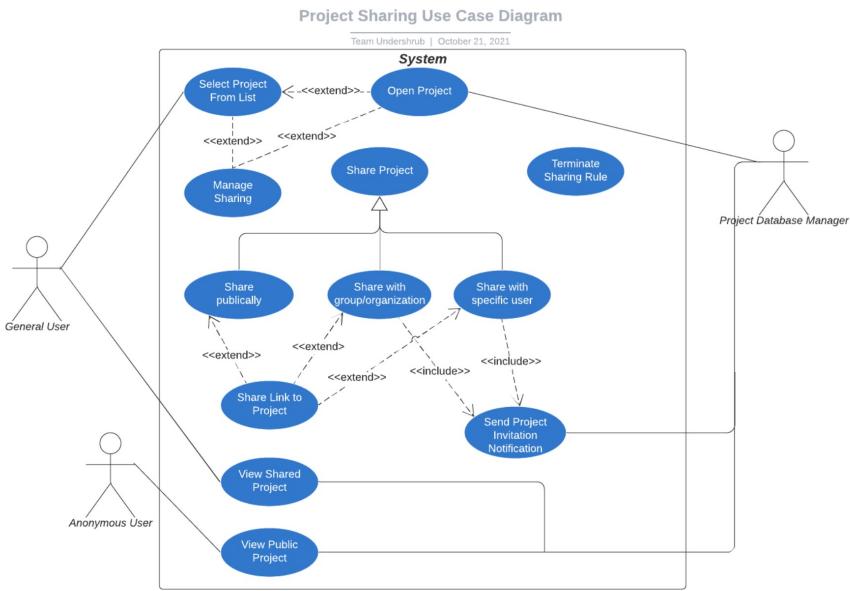


Figure 11: This details how the actors will be able to share projects with other users

Number	58								
Name	Select Project From List								
Summary	General user selects project from a project list.								
Priority	3								
Preconditions	General user has searched the project list.								
Postconditions	General user selects a project.								
Primary Actor	General user								
Secondary Actors	Project Database Manager								
Trigger	General user uses the interface to investigate a project.								
Main Scenario	<table border="1"> <thead> <tr> <th>Step</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>General user selects a project in the project list.</td> </tr> <tr> <td>2</td> <td>System retrieves selected project.</td> </tr> <tr> <td>3</td> <td>System displays the project in a view window.</td> </tr> </tbody> </table>	Step	Action	1	General user selects a project in the project list.	2	System retrieves selected project.	3	System displays the project in a view window.
Step	Action								
1	General user selects a project in the project list.								
2	System retrieves selected project.								
3	System displays the project in a view window.								
Extensions	<table border="1"> <thead> <tr> <th>Step</th> <th>Branching Action</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Step	Branching Action						
Step	Branching Action								
Open Issues	Use buttons or menu options								

Number	59	
Name	Manage Sharing	
Summary	General user manages the individuals and permissions of those they have shared their project with.	
Priority	3	
Preconditions	General user has created a project and has the valid permissions to edit the permissions of others.	
Postconditions	General user successfully manages their project's sharing features.	
Primary Actor	General user	
Secondary Actors	Project Manager Database	
Trigger	General user selects one of their projects.	
Main Scenario	Step	Action
	1	General user selects the share menu option for one of their projects.
	2	General user, instead of adding a new share, attempts to edit an existing share setting.
	3	System displays two clickable editing options, one for general edit and one for share deletion.
	4	General user selects to edit the share.
	5	System displays different permission changes the general user can select.
	6	General user chooses a new permission level to change the chosen share to.
Extensions	Step	Branching Action
	4a	< Share Privilege Deletion > : General user deletes the sharing permission set for a particular user or group of users.
Open Issues		

Number	60	
Name	Open Project	
Summary	This requirement will allow a general user to be able to open an existing project on the database	
Priority	2	
Preconditions	A project must exist	
Postconditions	The project will be opened	
Primary Actor	General user	
Secondary Actors	Project Database Manager	
Trigger	The user selects the open project option	
Main Scenario	Step	Action
	1	The user selects the open project button
	2	The system retrieves the list of projects the user has permissions to access
	3	The system lists on screen the list of projects
	4	The user selects a project
	5	The system loads the project and closes the open project window
Extensions	Step	Branching Action
Open Issues	Use buttons or menu options	

Number	61	
Name	Terminate Sharing Rule	
Summary	General user terminates a sharing rule on a project they have appropriate permissions for.	
Priority	3	
Preconditions	General user has shared their project with another user.	
Postconditions	General user will have removed at least one other user's set of permissions for the project.	
Primary Actor	General user	
Secondary Actors	Project Database Manager	
Trigger	General user attempts to manage the sharing features on one of their projects.	
Main Scenario	Step	Action
	1	General user utilizes the share manager to select the delete option.
	2	System reconfirms that the user has permission to delete permissions using the share manager.
	3	System requests confirmation from the user.
	4	General user confirms the request.
	5	System deletes the requested sharing rule.
	6	System confirms to the general user that the deletion occurred as requested.
Extensions	Step	Branching Action
	2a	< Permission Update > : On the system's renewed check of the user permission it finds the user does not have permission to delete sharing rules. Deletion denied.
	4a	< Deletion Cancellation > : General user cancels the request for deleting a share rule.
Open Issues		

Number	62	
Name	Share publicly	
Summary	This requirement allows a general user to share their project to the public	
Priority	3	
Preconditions	A project must exists in the database	
Postconditions	The project is shared on the platform the general user has chosen	
Primary Actor	General user	
Secondary Actors	Project Database Manager	
Trigger	The general user selects the share project option	
Main Scenario	Step	Action
	1	A general user selects the share project button
	2	The system retrieves a list of projects that belong to the user
	3	The system displays a new window opens with a list of the projects
	4	The general user selects the project to share
	5	The system saves the selection and provides a link to the share location
	6	The user selects the link text and hits close
	7	The system closes the window
Extensions	Step	Branching Action
	6a	The user selects the link text and hits close : 6a1. The user selects the link text manually 6a2. The user selects the copy link option
Open Issues	Use buttons or menu options	

Number	63	
Name	Share with group/organization	
Summary	The project is shared according to the individuals the general user has chosen	
Priority	3	
Preconditions	A project must exists in the database and the user is a part of a group	
Postconditions	The project was shared with the group	
Primary Actor	General user	
Secondary Actors	Project Database Manager	
Trigger	The general user selects the share with group option	
Main Scenario	Step	Action
	1	The general user selects the share with group option
	2	The system retrieves a list of projects that belong to the user
	3	The system displays a new window opens with a list of the projects
	4	The general user selects the project to share and the group to share it with
	5	The system shares the project with the selected group
	6	The system closes the window
Extensions	Step	Branching Action
Open Issues	Use buttons or menu options	

Number	64	
Name	Send Project Invitation Notification	
Summary	This requirement allows the system to notify a user or groups to be notified of a project invitation	
Priority	3	
Preconditions	A project must exist in the database and a user must choose this option	
Postconditions	A notification is sent to the specified user or group	
Primary Actor	General user	
Secondary Actors	Project database manager	
Trigger	The user chooses to share a project to a user within the web portal	
Main Scenario	Step	Action
	1	The user selects the share a project option
	2	The system retrieves a list of projects that belong to the user
	3	The system displays a new window opens with a list of the projects
	4	The general user selects the project to share and whom to share it with
	5	The system shares the project with the selected group
	6	The system closes the window
Extensions	Step	Branching Action
	4a	The general user selects the project to share and whom to share it with: 4a1. Share with group/organization 4a2. Share with specific user
Open Issues	Use buttons or menu options	

Number	65	
Name	Anonymous Viewing of Public Project	
Summary	An anonymous user views a general user's public project.	
Priority	2	
Preconditions	Some number of projects have been created and made public, and an anonymous user utilizes the project viewing services.	
Postconditions	Anonymous user views a public project.	
Primary Actor	Anonymous user	
Secondary Actors	Project Database Manager, general user	
Trigger	Anonymous user attempts to view a list of public projects.	
Main Scenario	Step	Action
	1	Anonymous user utilizes a special version of the project viewer.
	2	System responds to the use of the anonymous project viewer by displaying a list of public projects.
	3	Anonymous user picks a project to view.
	4	System displays the public project to the anonymous user.
Extensions	Step	Branching Action
Open Issues	Allowing project owners to have some limited capacity for monitoring anonymous traffic?	