| Use Case | User login |
| --- | --- |
| ID | 01 |
| Actors | Super Admin, Admin, Family Member |
| Description | All users must login to the PyFamilyTree web application to access or manage Family Trees. |
| Data | The users username and password |
| Stimulus | The user visits the login webpage |
| Response | The user is successfully logged into the application, or if an incorrect username/password combination is entered then an error message is presented to the user. |
| Comments | The user must already have an account to login, otherwise they have the option to request to join a family tree. |

| Use Case | Request to join a family tree |
| --- | --- |
| ID | 02 |
| Actors | Potential Family Member |
| Description | A potential family member may request to join an existing family tree. If an invite is accepted by the admin, the potential family member can create a user account and contribute to the family tree. |
| Data | The requester's first name, last name, email, family tree, and a comment on their relationship to the requested family tree. |
| Stimulus | A request to join form is filled out and submitted by the requester |
| Response | The request to join is received by the family tree admins. Then the admins can decide to approve or deny the request. |
| Comments | The requester must know the name of the family tree they wish to join. |

| Use Case | Invite a potential family member to join your family tree |
| --- | --- |
| ID | 03 |
| Actors | Super Admin, Admin, Family Member |
| Description | A family member or admin can send an email invitation to join their family tree to a potential family member. Entering the family tree will consist of creating a user account and enabling the ability to update profile information that will contribute to the family tree. |
| Data | Potential family member's first name, last name, and email address |
| Stimulus | An admin or family member fills out an invitation form with the potential family member's name and email address |
| Response | The invitee receives a family tree join invitation via email. |
| Comments | A valid email address is required for the invitation to be successfully sent by an admin |

| Use Case | Search the family tree for immediate family members |
| --- | --- |
| ID | 04 |
| Actors | Super Admin, Admin, Family Member |
| Description | A family member can search for any target member in the family tree and then view queried member's immediate family. If an existing family member is searched, the results should include (if applicable) parents, self, children, in-laws, and grandchildren |
| Data | Family member profile with links to profiles of related family members. Self, parents, children, in-laws, and grandchildren |
| Stimulus | A search is entered into the family tree search box |
| Response | A successful or unsuccessful search result is returned. If the family member is found, their profile will be shown on the screen. If not, an error message stating that the family member could not be found in the tree. |
| Comments |  |

| Use Case | Edit profile information |
| --- | --- |
| ID | 05 |
| Actors | Super Admin, Admin, Family Member |
| Description | The user profile contains all pertinent information about an individual family member. Other family members can view the profile to learn more about a particular family member. A family member needs to be able to update their profile information so it is accurately reflected in the family tree. |
| Data | First name, middle name, profile picture, address, immediate family, phone number, bio, email address |
| Stimulus | Family members can select Edit profile from their personal profile page. |
| Response | After entering a valid update, changes are saved into the database and visible to any family member that views the updated profile. |
| Comments | Data validity rules apply to each of the fields that can be updated. |

| Use Case | Change password |
| --- | --- |
| ID | 06 |
| Actors | Super Admin, Admin, Family Member |
| Description | All credentialed users must be able to change their password for security reasons or if they forgot their current password. They can change their password from within the PyFamilyTree application or request a link be sent to their email to change their password. |
| Data | Username and password |
| Stimulus | A user navigates to their profile and selects *change password*. Alternatively, if the user forgot their password, from the login screen they can request to have a request link sent to their email. |
| Response | User is prompted with a successful password change message with a link to go back to the login page. |
| Comments | If a valid email is not entered for the *forgot a password* function, the user will not receive a password reset email. |

| Use Case | Assign cloud storage to family members |
| --- | --- |
| ID | 07 |
| Actors | Super Admin, Admin |
| Description | Admins can allocate cloud storage to family members. Storage can be used by family members to upload media and is directly accessible via their profile after a login |
| Data | Cloud storage space, cloud storage availability |
| Stimulus | Admin creates a new folder and sets appropriate permission so only the admins and assigned family members can modify and upload to the cloud storage space. |
| Response | The family member will see a cloud storage link the next time they log in to the application and view their profile. |
| Comments | Admins can increase storage space per request. |

| Use Case | Upload media to assigned cloud storage |
| --- | --- |
| ID | 08 |
| Actors | Super Admin, Admin, Family Member |
| Description | Family members with assigned cloud storage can upload media files to their storage space. This includes photos, videos, and audio recordings. |
| Data | Media file, photo, video and audio files |
| Stimulus | A user opens their cloud storage and selects to upload a new media file |
| Response | The media file is uploaded to their cloud storage space if the selected file is valid. Otherwise, an error message explaining which file types are valid for upload is presented to the user. |
| Comments |  |

| Use Case | Edit sharing settings on uploaded media |
| --- | --- |
| ID | 09 |
| Actors | Super Admin, Admin, Family Member |
| Description | Family members can select individual media files and set sharing settings. Media files can either be private or shared with all family members. Shared media files are found in a family member's profile. |
| Data | Media file |
| Stimulus | A family member selects a media file from their shared storage and sets the sharing settings. |
| Response | The sharing settings are updated, and the visibility of the media file to other family members is immediately changed based on the new selection, share or unshare. |
| Comments |  |

| Use Case | Assign an admin to the family tree |
| --- | --- |
| ID | 10 |
| Actors | Super Admin |
| Description | Super admins can assign admins to a family tree. An admin will have the ability to invite and remove users from a family tree. They can also assist with sharing/unsharing media content for individual family members. |
| Data | Username of family member to be promoted to admin |
| Stimulus | Super admin can select any standard user from the user administration page and promote them to an admin |
| Response | The promoted user receives an alert that they have be given admin access to the family tree. They now can login to the family tree admin page. |
| Comments | Admins are critical in ensuring the family tree can be updated and joined by any family members. |

| Use Case | Create a new family tree |
| --- | --- |
| ID | 11 |
| Actors | Super Admin |
| Description |  |
| Data |  |
| Stimulus |  |
| Response |  |
| Comments |  |