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# **Business Requirement Document**

**Artwurk Project**

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## 2 Overview

### **Background**

This document contains the functional and non-functions requirements for our Artwerk web app.

### Purpose

The purpose of this document is to describe the initial functional requirements and uses cases for the Artwurk web app.

### Scope

Our app is targeted initially to the US market. As such it will only support American English at launch. As our app grows (and our bandwidth increases) we would like to expand this to other markets (e.g., Canada, Europe) but these will not be initially supported.

### **3 Functional Requirements: Initial load of page**

- 3.1 System shall display welcome page when new user reaches site
- 3.2 System welcome page will display informational text and allow user to log in or create an account
- 3.3 System displays login screen when user elects to login

### **4 Functional Requirements: Login**

- 4.1 System shall display login screen when user elects to login on welcome screen
- 4.2 Login screen will allow user to enter username and password
- 4.3 Login screen will attempt to login when user clicks login button
  - 4.3.1 System will send request to backend to validate username and password
- 4.4 Login screen will display error if username is not found when user tries to login
- 4.5 Login screen will display error if password is incorrect when user tries to login

### **5 Functional Requirements: Create account**

- 5.1 System shall display account creation screen when user elects to create an account
- 5.2 Account creation screen will require user to enter a unique username of minimum 6 characters and a maximum of 15
- 5.3 Account creation screen will allow alpha-numeric and special characters in username
- 5.4 Account creation screen will require user to enter a password
- 5.5 Password must be minimum 8 characters and consist of at least 1 uppercase, lowercase, digit, and special character
- 5.6 Password can be maximum of 30 characters long
- 5.7 System will validate that username is unique when user attempts to create account
  - 5.7.1 If username already exists, system will display an error message informing user that username is not available
- 5.8 System will validate that password criteria in 5.5 is met
  - 5.8.1 If password criteria are not met, system will display an error message informing user that password validation has not been met
- 5.9 System shall create account when user elects to create account and username and password validation checks are passed

### **6 Functional Requirements: Initialize Profile**

- 6.1 System shall display wizard to populate profile when user logs in without having completed profile

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- 6.2 Profile wizard will display immediately after user creates an account with a valid username and password
- 6.3 Profile wizard will display on subsequent login if user exits application without completing wizard
- 6.4 Profile wizard will prompt user to fill in the following fields:
  - 6.4.1 Biography of less than 200 characters
  - 6.4.2 Profile picture with a max size of 5 MB
  - 6.4.3 Select from a list of genres to follow
- 6.5 System will no longer display wizard on login if user has completed wizard

### 7 Functional Requirements: Profile

- 7.1 System shall allow user to edit their profile at any point after login
- 7.2 System will take user to profile details screen when user selects profile
- 7.3 System will allow user to edit or delete the biography
  - 7.3.1 The maximum limit for biography is still 200 characters
  - 7.3.2 User can elect to delete biography text and not replace it
- 7.4 System will allow user to edit or delete the profile picture
  - 7.4.1 The maximum size for a new profile picture is still 5 MB
  - 7.4.2 User can elect to delete profile picture and not replace it
- 7.5 System will allow user to change the followed genres
  - 7.5.1 User can add new topics or remove already followed topics
- 7.6 System will allow user to request a copy of their data via their profile
  - 7.6.1 This is necessary to comply with CCPA and similar laws
- 7.7 System will allow user to request their profile and all related data be deleted via their profile

### 8 Functional Requirements: Timeline

- 8.1 System shall display timeline page when user logs in and initialization wizard has been completed or skipped
- 8.2 Timeline page will display the most recent images from the profiles and communities that the user follows
- 8.3 System shall display the selected image when user selects an image from timeline
- 8.4 System will allow user to log out from timeline page

### 9 Functional Requirements: Post an image

- 9.1 System shall allow user to post an artwork image up to a resolution of 1280 x 720 and max size of 10 MB
- 9.2 System shall allow user to post an artwork image in the following formats: JPEG, PNG, GIF, and PDF
- 9.3 System shall link all artwork images posted by a user to the user's profile until the images are deleted by the user
- 9.4 System shall allow user to cancel posting of artwork image
- 9.5 System shall enforce a maximum storage limit of 10 GB per user

- 9.5.1 Each artwork image that the user adds and each unapproved edit that the user performs on an image is counted against this 10 GB limit
- 9.6 System shall allow user to designate images as public or private
  - 9.6.1 Public images are added to the user's public profile and visible to all users
  - 9.6.2 Private images are only added to the user's private profile (i.e., are only visible to the user that is owner of the images)
  - 9.6.3 Private images will have private designation to differentiate them from public images

### 10 Functional Requirements: View image

- 10.1 System shall display the image selected when user selects an artwork image
- 10.2 System shall allow users to view any linked approved edits tied to an image
- 10.3 System shall display the original artist of the image and the editor of the image being viewed (if any)

### 11 Functional Requirements: Edit Image

- 11.1 System shall allow user to designate posted images as editable or not editable
- 11.2 System shall allow users to download an image that is editable
- 11.3 System shall require users to agree to collaboration agreement before an image can be downloaded for editing
- 11.4 System shall allow users to upload edits to images that have editing enabled
- 11.5 System shall deduct storage of the edited image from the editing user's 10 GB data cap

#### Approve Edits

- 11.6 System shall allow original image owner to approve or reject any edits to images
  - 11.6.1 After 7 days, any unapproved edits will be automatically rejected
- 11.7 System shall deduct storage of an approved image from the editing user's 10 GB data cap
- 11.8 System shall deduct storage of an approved image from the original user's 10 GB data allotment
- 11.9 System shall display the approved edited image in the editor's profile gallery
- 11.10 System shall display the approved edited image in the original user's profile gallery

#### Reject Edits

- 11.11 System shall remove notifications related to rejected edits from the original owner's inbox when the owner rejects an edit
- 11.12 System shall remove edited images from the editor's profile when the original owner rejects an edit
- 11.13 System shall no longer count edited image against the editor's 10 GB data cap when edited is rejected by original owner
- 11.14

#### Changing Editable Status

- 11.15 System shall allow original user to mark image editable or not editable at any time

- 11.16 System shall retain any approved edits that were approved before an image was changed from editable to not editable
- 11.17 System shall automatically reject any unapproved edits when an image is changed from editable to not editable
- 11.18 System shall not allow any edits to be approved once an image is changed from editable to not editable
- 11.19 System shall link approved edits of an image to the original image so that users can navigate back to the original image via the Edit Tree

### Private images

- 11.20 System shall allow user to invite any number of other users to view and edit private images
- 11.21 Only invited users can view and edit private images
- 11.22 Original owner can remove any invited editor from a private image
  - 11.22.1 System shall keep any accepted edits from the removed editor
  - 11.22.2 System shall remove any pending edits from the removed editor

## 12 Functional Requirements: The Edit Tree

- 12.1 System shall display all approved edits on an image in a list called the Edit Tree
- 12.2 System shall timestamp all approved edits added to the edit tree
- 12.3 System shall not display pending edits in the edit tree
- 12.4 System shall allow users to navigate and view previous edits in the tree
- 12.5 System shall display the editing user for each entry in the edit tree
- 12.6 System will NOT allow deletion of approved edits from the edit tree
- 12.7 The edit tree for an image will be publicly viewable when the original image is public
- 12.8 The edit tree for an image will be private and will only be viewable by the original artist and any users given permission to edit when the original image is private

## 13 Functional Requirements: Notifications

- 13.1 System shall send a notification message to original image owner when a user has created an edit of their image
- 13.2 System shall send a notification message to the editor when the original image owner approves their edit
- 13.3 System shall send a notification message to the editor when the original image owner rejects their edit
- 13.4 System shall automatically remove messages older than 7 days
  - 13.4.1 The associated edits would also be discarded
- 13.5 System shall notify users when an account they follow makes a new post
- 13.6 System shall notify users when a topic they follow makes a new post
- 13.7 System shall allow users to configure how many notifications they get per day

## 14 Functional Requirements: Community

- 14.1 System shall users to view and browse profiles and artwork by theme and genre

- 14.2 System shall have the option of tagging their artwork and/or profiles to any theme/genre
  - 14.2.1 System shall provide a list of genres/themes for user to pick from
  - 14.2.2 System shall allow users to enter a text up to 20 characters for genre/theme
  - 14.2.3 System shall attempt to match user entered text to the existing list
- 14.3 System shall allow users to follow a theme or genre
  - 14.3.1 Followed topics are used to populate the user's timeline
- 14.4 System shall allow users to follow other profiles
- 14.5 System shall allow users to search for images by image genre
- 14.6 System shall allow users to search for profiles by profile username

### 15 Non-Functional Requirements

- 15.1 Once logged in, system shall allow user to log out from any page
- 15.2 System shall encrypt and protect all user data
- 15.3 System shall support American English
- 15.4 System shall be targeted to United States
- 15.5 System shall support the latest version of chrome (currently Chrome Version 94.0.4606.61)
- 15.6 System shall aim for 99.9 % availability

# Use Cases

## 1 Use Case 1: Create Account

### Description:

User visits web app for the first time and creates a new account

### Actors:

User – A person accessing the Artwurk web app

System – The Artwurk web app

### Precondition:

- User does not have an account
- User is connected to the internet
- System is operational

### Main Flow:

- 1) User goes to Artwurk website
- 2) System prompts user to log in or create an account
- 3) User selects to create an account
- 4) System displays form requiring username and password
- 5) User enters username
- 6) User enters password
- 7) User submits username and password [E1, E2]
- 8) System verifies username and password are valid
- 9) System displays main web app view
- 10) End flow

### Exception Flows:

E1 – User enters invalid username

- 1) System returns an error because username does not meet validation
- 2) Display message to user
- 3) Continue to Main Flow at Step 4

E2 – User enters invalid password

- 1) System returns an error because password does not meet validation
- 2) Display message to user



3) Continue to Main Flow at Step 4

### **Post Conditions:**

- Account now exists for user in the system based on the username and password used
- User is logged in to the system

### **Relevant Functional Requirements:**

- 3.1 System shall display welcome page when new user reaches site
- 3.2 System welcome page will display informational text and allow user to log in or create an account
- 5.1 System shall display account creation screen when user elects to create an account
- 5.2 Account creation screen will require user to enter a unique username of minimum 6 characters and a maximum of 15
- 5.3 Account creation screen will allow alpha-numeric and special characters in username
- 5.4 Account creation screen will require user to enter a password
- 5.5 Password must be minimum 8 characters and consist of at least 1 uppercase, lowercase, digit, and special character
- 5.6 Password can be maximum of 30 characters long
- 5.7 System will validate that username is unique when user attempts to create account
  - 5.7.1 If username already exists, system will display an error message informing user that username is not available
- 5.8 System will validate that password criteria in 5.5 is met
  - 5.8.1 If password criteria are not met, system will display an error message informing user that password validation has not been met
- 5.9 System shall create account when user elects to create account and username and password validation checks are passed

## **2 Use Case 2: Create Profile**

### **Description:**

User populates profile after initial login

### **Actors:**

User – A person accessing the Artwurk web app

System – The Artwurk web app

### **Precondition:**

- User has an account
- User does not have a completed profile
- User is connected to the internet

- System is operational

### **Main Flow:**

- 1) User goes to Artwurk website
- 2) System prompts user to log in or create an account
- 3) User creates an account [See Use Case 1: Create Account] [A1]
- 4) System prompts user to fill out profile
- 5) User enters a short biography, uploads a profile picture, selects at least one genre to follow and submits [E1, E2, E3]
- 6) System displays success message
- 7) System displays main web app view
- 8) End flow

### **Alternate Flows:**

E1 – User enters invalid username

- 1) User created account previously but disconnected before creating profile
- 2) User logs in with previously created account
- 3) Continue to Main Flow at Step 4

### **Exception Flows:**

E1 – User enters Biography that is too long

- 1) System returns an error because biography is over 200 characters
- 2) Display message to user
- 3) Continue to Main Flow at Step 4

E2 – User enters invalid profile

- 1) System returns an error because profile image is too large or is not a supported format
- 2) Display message to user
- 3) Continue to Main Flow at Step 4

E3 – User does not pick at least one genre

- 1) System returns an error because user did not select a genre
- 2) Display message to user
- 3) Continue to Main Flow at Step 4

### **Post Conditions:**

- Profile is populated with user data
- System displays main timeline page

### **Relevant Functional Requirements:**

- 6.1 System shall display wizard to populate profile when user logs in without having completed profile
- 6.2 Profile wizard will display immediately after user creates an account with a valid username and password
- 6.3 Profile wizard will display on subsequent login if user exits application without completing wizard
- 6.4 Profile wizard will prompt user to fill in the following fields:
  - 6.4.1 Biography of less than 200 characters
  - 6.4.2 Profile picture with a max size of 5 MB
  - 6.4.3 Select from a list of genres to follow
- 6.5 System will no longer display wizard on login if user has completed wizard

### **3 Use Case 3: Log in**

#### **Description:**

User visits web app and logs in with their username and password

#### **Actors:**

User – A person accessing the Artwurk web app

System – The Artwurk web app

#### **Precondition:**

- User has an account
- User is connected to the internet
- System is operational

#### **Main Flow:**

- 1) User goes to Artwurk website
- 2) System prompts user to log in or create an account
- 3) User selects to log in
- 4) System displays form requiring username and password
- 5) User enters username
- 6) User enters password
- 7) User submits username and password [E1, E2]
- 8) System verifies username and password are valid
- 9) System displays main web app view
- 10) End flow

#### **Exception Flows:**

E1 – User enters invalid username

- 1) System returns an error because username does not exist
- 2) Display message to user
- 3) Continue to Main Flow at Step 4

E2 – User enters invalid password

- 1) System returns an error because password does not match username
- 2) Display message to user
- 3) Continue to Main Flow at Step 4

### **Post Conditions:**

- User is logged in to the system
- System displays main page

### **Relevant Functional Requirements:**

- 3.1 System shall display welcome page when new user reaches site
- 3.2 System welcome page will display informational text and allow user to log in or create an account
- 3.3 System displays login screen when user elects to login
- 4.1 System shall display login screen when user elects to login on welcome screen
- 4.2 Login screen will allow user to enter username and password
- 4.3 Login screen will attempt to login when user clicks login button
- 4.3.1 System will send request to backend to validate username and password
- 4.4 Login screen will display error if username is not found when user tries to login
- 4.5 Login screen will display error if password is incorrect when user tries to login

## **4 Use Case 4: Log out**

### **Description:**

User logs out of the Artwurk web app

### **Actors:**

User – A person accessing the Artwurk web app

System – The Artwurk web app

### **Precondition:**

- User has an account
- User is connected to the internet
- System is operational
- User is currently logged in to the system

### **Main Flow:**

- 1) User selects log out option in app
- 2) System prompts user to confirm they want to log out
- 3) User selects to log out
- 4) System displays confirmation page that user has logged out
- 5) End Flow

### **Post Conditions:**

- User is logged out of to the system
- System displays main page

### **Relevant Functional Requirements:**

8.4 System will allow user to log out from timeline page

## **5 Use Case 5: Post Image**

### **Description:**

User posts an image to the Artwurk app

### **Actors:**

User – A person accessing the Artwurk web app

System – The Artwurk web app

### **Precondition:**

- User has an account
- User is connected to the internet
- System is operational
- User is currently logged in to the system

### **Main Flow:**

- 1) User goes to their profile
- 2) System displays user's profile
- 3) User selects Post image option
- 4) System displays screen to upload an image
- 5) User selects an image from their machine [A1, E1, E2, E3]
- 6) System defaults image to public [A1, A2]
- 7) User publishes image to profile

- 8) End flow

### **Alternate Flows:**

A1 – User cancels posting image

- 1) User selects option to cancel posting image
- 2) End Flow

A2 – User sets image to private

- 1) User changes the default visibility of the image to private
- 2) User can optionally invite other users to view and edit the private image
- 3) Continue Main Flow at Step 7

### **Exception Flows:**

E1 – User selects invalid file type

- 1) System returns an error because file type is not supported
- 2) Display message to user
- 3) Continue to Main Flow at Step 3

E2 – User selects file that is too large

- 1) System returns an error because file size is over the 10 MB limit
- 2) Display message to user
- 3) Continue to Main Flow at Step 3

E3 – Adding file would put user over their 10 GB data cap

- 1) System returns an error because adding image would put user over the 10 GB profile data cap limit
- 2) Display message to user
- 3) End Flow

### **Post Conditions:**

- Image is posted to user's profile
- Image is visible to all users if image was marked public
- Image is only visible to invited users if image was marked private

### **Relevant Functional Requirements:**

9.1 System shall allow user to post an artwork image up to a resolution of 1280 x 720 and max size of 10 MB

9.2 System shall allow user to post an artwork image in the following formats: JPEG, PNG, GIF, and PDF

9.3 System shall link all artwork images posted by a user to the user's profile until the images are deleted by the user

9.4 System shall allow user to cancel posting of artwork image

9.5 System shall enforce a maximum storage limit of 10 GB per user

9.5.1 Each artwork image that the user adds and each unapproved edit that the user performs on an image is counted against this 10 GB limit

9.6 System shall allow user to designate images as public or private

9.6.1 Public images are added to the user's public profile and visible to all users

9.6.2 Private images are only added to the user's private profile (i.e., are only visible to the user that is owner of the images)

9.6.3 Private images will have private designation to differentiate them from public images

### 6 Use Case 6: Edit Image

#### Description:

Editor user edits an image posted by another user

#### Actors:

Editor – A user editing an image

Owner – The user that originally posted the image and is the image's owner

System – The Artwurk web app

#### Precondition:

- Owner has posted an image
- Editor has access to view and edit the image
  - This means either the image is public
  - Or the image is private, and the owner invited Editor to view and edit image
- Editor is connected to the internet
- System is operational
- Editor is currently logged in to the system

#### Main Flow:

- 1) Editor views the image (see Use Case 10: View Image)
- 2) System displays image
- 3) Editor downloads image
- 4) System displays collaboration agreement
- 5) Editor agrees to collaboration agreement [A1]
- 6) System downloads image
- 7) Editor makes changes to the image

- 8) Editor returns to Artwurk app and reuploads image as an edit [E1, E2, E3]
- 9) System displays success message when upload is received
- 10) End Flow

### **Alternate Flows:**

A1 – Editor declines collaboration agreement

- 1) User does not agree to collaboration agreement
- 2) Continue to Main Flow at Step 4

### **Exception Flows:**

E1 – Editor selects invalid file type to upload

- 1) System returns an error because file type is not supported
- 2) Display message to user
- 3) Continue to Main Flow at Step 8

E2 – Editor selects file that is too large for upload

- 1) System returns an error because file size is over the 10 MB limit
- 2) Display message to user
- 3) Continue to Main Flow at Step 8

E3 – Adding file would put Editor over their 10 GB data cap

- 1) System returns an error because adding image would put user over the 10 GB profile data cap limit
- 2) Display message to user
- 3) End Flow

### **Post Conditions:**

- Edited Image is posted to Editor's profile
- Edited Image's file size is discounted from Editor's 10 GB Data cap
- Owner is notified of a pending edit
- Edited Image is not added to the Edit Tree

### **Relevant Functional Requirements:**

- 11.2 System shall allow users to download an image that is editable
- 11.3 System shall require users to agree to collaboration agreement before an image can be downloaded for editing
- 11.4 System shall allow users to upload edits to images that have editing enabled
- 11.5 System shall deduct storage of the edited image from the editing user's 10 GB data cap
- 13.1 System shall send a notification message to original image owner when a user has created an edit of their image



### 7 Use Case 7: Approve Edit

#### **Description:**

Owner approves an image edited by another user

#### **Actors:**

Editor – A user editing an image

Owner – The user that originally posted the image and is the image's owner

System – The Artwork web app

#### **Precondition:**

- Owner has posted an image
- Editor has edited the image
- Owner is connected to the internet
- System is operational
- Owner is currently logged in to the system

#### **Main Flow:**

- 1) System sends owner notification that one of their images have been edited
- 2) Owner views the image (see Use Case 10: View Image)
- 3) System displays image and related edits
- 4) Owner views the pending edit and approves [E1]
- 5) System displays confirmation message
- 6) End Flow

#### **Exception Flows:**

E1 – Adding file would put Owner over their 10 GB data cap

- 1) System returns an error because adding image would put user over the 10 GB profile data cap limit
- 2) Display message to user
- 3) End Flow

#### **Post Conditions:**

- Edited Image is posted to Editor's profile as an approved edit
- Status of Edited image changes from pending to approved
- Notifications related to this edit are removed from owner's inbox
- Owner's 10 GB Data cap is reduced by the Approved Edited Image's file size
- Editor is notified their edit has been approved

- Edited Image is added to the Edit Tree with a timestamp and Editor information

### **Relevant Functional Requirements:**

- 11.6 System shall allow original image owner to approve or reject any edits to images
- 11.7 System shall deduct storage of an approved image from the editing user's 10 GB data cap
- 11.8 System shall deduct storage of an approved image from the original user's 10 GB data allotment
- 11.9 System shall display the approved edited image in the editor's profile gallery
- 11.10 System shall display the approved edited image in the original user's profile gallery

## **8 Use Case 8: Reject Edit**

### **Description:**

Owner rejects an image edited by another user

### **Actors:**

Editor – A user editing an image

Owner – The user that originally posted the image and is the image's owner

System – The Artwurk web app

### **Precondition:**

- Owner has posted an image
- Editor has edited the image
- Owner is connected to the internet
- System is operational
- Owner is currently logged in to the system

### **Main Flow:**

- 1) System sends owner notification that one of their images have been edited
- 2) Owner views the image (see Use Case 10: View Image)
- 3) System displays image and related edits
- 4) Owner views the pending edit and rejects the change
- 5) System displays confirmation message
- 6) End Flow

### **Post Conditions:**

- Edited Image is removed from Editor's profile
- Status of Edited image changes from pending to rejected

- Notifications related to this edit are removed from owner's inbox
- Editor's 10 GB Data cap is increased by the rejected Edit's file size as that edit is now removed
- Owner's 10 GB Data cap is unaffected
- Editor is notified their edit has been rejected

### **Relevant Functional Requirements:**

- 11.6 System shall allow original image owner to approve or reject any edits to images
- 11.11 System shall remove notifications related to rejected edits from the original owner's inbox when the owner rejects an edit
- 11.12 System shall remove edited images from the editor's profile when the original owner rejects an edit
- 11.13 System shall no longer count edited image against the editor's 10 GB data cap when edited is rejected by original owner

## **9 Use Case 9: Remove Editor**

### **Description:**

Owner removes an editor from a private image

### **Actors:**

Editor – A user editing an image

Owner – The user that originally posted the image and is the image's owner

System – The Artwork web app

### **Precondition:**

- Owner has posted a private image and invited Editor to view/edit it
- Editor has edited the image
- Owner is connected to the internet
- System is operational
- Owner is currently logged in to the system

### **Main Flow:**

- 1) Owner views the image (see Use Case 10: View Image)
- 2) System displays image, related edits, and invited editors
- 3) Owner removes Editor from image
- 4) System displays confirmation message
- 5) End Flow

### **Post Conditions:**

- Editor no longer has access to image
- Any pending edits from Editor are automatically rejected
- Any already accepted edits from Editor are unchanged

### **Relevant Functional Requirements:**

11.11 System shall remove notifications related to rejected edits from the original owner's inbox when the owner rejects an edit

11.12 System shall remove edited images from the editor's profile when the original owner rejects an edit

11.13 System shall no longer count edited image against the editor's 10 GB data cap when edited is rejected by original owner

11.22 Original owner can remove any invited editor from a private image

11.22.1 System shall keep any accepted edits from the removed editor

11.22.2 System shall remove any pending edits from the removed editor

## **10 Use Case 10: View Image**

### **Description:**

User views an image on the Artwurk app

### **Actors:**

User – A person accessing the Artwurk web app

System – The Artwurk web app

### **Precondition:**

- User has an account
- User is connected to the internet
- System is operational
- User is currently logged in to the system
- Images exist on the System to be viewed

### **Main Flow:**

- 1) User goes to their timeline [A1, A2]
- 2) System displays images based on:
  - a. Public images from profiles/genres the user follows
  - b. Private images the user has been invited to edit
- 3) User selects an image

- 4) End Flow

### **Alternate Flows:**

A1 – User searches for an image

- 1) User enters a search term to find an image
- 2) System returns matching images
- 3) User Selects an image from the search results
- 4) Continue Main Flow at Step 3

A2 – User goes to their own profile

- 1) User navigates to their own profile
- 2) User selects an image from their profile
- 3) Continue Main Flow at Step 3

### **Post Conditions:**

- System displays the image
- System displays the Edit Tree and accepted Edits for the image (if any)

### **Relevant Functional Requirements:**

- 10.1 System shall display the image selected when user selects an artwork image
- 10.2 System shall allow users to view any linked approved edits tied to an image
- 10.3 System shall display the original artist of the image and the editor of the image being viewed (if any)

## 11 Use Case 11: View Edit Tree

### **Description:**

User views the edit tree for an image on the Artwurk app

### **Actors:**

User – A person accessing the Artwurk web app

System – The Artwurk web app

### **Precondition:**

- User has an account
- User is connected to the internet
- System is operational
- User is currently logged in to the system
- User has access to images with accepted edits

### **Main Flow:**

- 1) User goes to their timeline [A1, A2]
- 2) System displays images based on:
  - a. Public images from profiles/genres the user follows
  - b. Private images the user has been invited to edit
- 3) User selects an image that has accepted edits
- 4) System displays image and the edit tree
- 5) End Flow

### **Alternate Flows:**

A1 – User searches for an image

- 1) User enters a search term to find an image
- 2) System returns matching images
- 3) User Selects an image from the search results
- 4) Continue Main Flow at Step 3

A2 – User goes to their own profile

- 1) User navigates to their own profile
- 2) User selects an image from their profile
- 3) Continue Main Flow at Step 3

### **Post Conditions:**

- System displays the Edit Tree and accepted Edits for the image (if any)
- Each edit in the Edit tree is timestamped and has the Editor's information
- User can navigate forward and backwards through the edits

### **Relevant Functional Requirements:**

- 11.1 System shall display all approved edits on an image in a list called the Edit Tree
- 11.2 System shall timestamp all approved edits added to the edit tree
- 11.3 System shall not display pending edits in the edit tree
- 11.4 System shall allow users to navigate and view previous edits in the tree
- 11.5 System shall display the editing user for each entry in the edit tree
- 11.6 System will NOT allow deletion of approved edits from the edit tree
- 11.7 The edit tree for an image will be publicly viewable when the original image is public
- 11.8 The edit tree for an image will be private and will only be viewable by the original artist and any users given permission to edit when the original image is private

### 12 Use Case 12: Follow Users

#### Description:

User follows another user

#### Actors:

User – A person accessing the Artwurk web app

System – The Artwurk web app

#### Precondition:

- User has an account
- User is connected to the internet
- System is operational
- User is currently logged in to the system
- Images exist on the System to be viewed

#### Main Flow:

- 1) User goes to their timeline [A1, A2]
- 2) System displays images based on:
  - a. Public images from profiles/genres the user follows
  - b. Private images the user has been invited to edit
- 3) User selects an image
- 4) System displays image
- 5) User selects profile of the Image's owner or editor
- 6) System displays the Owner/Editor's profile
- 7) User selects option to follow profile
- 8) End Flow

#### Alternate Flows:

A1 – User searches for an image

- 1) User enters a search term to find an image
- 2) System returns matching images
- 3) User Selects an image from the search results
- 4) Continue Main Flow at Step 4

A2 – User searches for a profile

- 1) User enters a search term to find a profile
- 2) System returns matching profiles
- 3) User selects a profile
- 4) Continue Main Flow at Step 6

### **Post Conditions:**

- Profile is now linked to user and user follows profile
- User's timeline pulls images from followed profiles, including this one

### Relevant Functional Requirements:

- 8.2 Timeline page will display the most recent images from the profiles and communities that the user follows
- 14.1 System shall users to view and browse profiles and artwork by theme and genre
- 14.3 System shall allow users to follow a theme or genre
- 14.3.1 Followed topics are used to populate the user's timeline
- 14.4 System shall allow users to follow other profiles
- 14.5 System shall allow users to search for images by image genre
- 14.6 System shall allow users to search for profiles by profile username