Software Requirements Specification

(SRS) Document

Spartan Gallery

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Version 1

Ross Dezarn, Frankie K’briuh

1. Project General Description

The goal of the Spartan Gallery is to allow users to browse art pieces made by local artists available for sale, to find artists accepting commissions to create custom pieces made for the user directly, and to learn about and gain admission to events hosted by local artists. The Spartan gallery will also allow artists to create a profile where they can display their works, including pieces for sale, information about their commission rates and availability, and to host/join events showcasing their unique creations.

2. Product Features

The Spartan Gallery aims to help foster the growth of the UNCG art community by making it easier for artists to showcase their work and help the public find more art and artists that match their interests.

Interest Centric Search: By using keywords to describe an artist and their work users will be easily able to find artists that match their interests while ensuring a wide array of potential content for the users to discover

Artist Commision Communication: Making custom pieces for clients is a very important method of generating revenue as an artist, and by making it easier for them to discuss their rates as well as their availability to users who were already interested in their work makes it easier for users to reach out to artists.

Artists Event Information: By allowing artists to set up events artists users can easily find local art events to attend, such as concerts, art shows and other forms of performative art, as well as make it easy to secure admission to these events.

3. Functional Requirements

- FRO: The app will allow users to make a profile
- FR1: The app will allow users to apply to become an artist
- FR2: The app will allow users to search the gallery based on keywords
- FR3: The app will allow users to select art pieces displayed as well as their availability and price
- FR4: The app will allow users to follow artists to receive notifications about new art pieces
- FR5: The app will allow artists to post art pieces, including keywords to describe them, and their price if they are available to purchase
- FR6: The app will allow artists to display their availability for commissions and their rates for doing so
- FR7: The app will allow artists to create events and setup the details and admission status of
- FR8: The accounts will be protected by login screens
- FR9: Administrators will be assigned
- FR10: Administrators will be able to verify artists applications
- FR11: Administrators will be able to review incident reports
- FR12: Administrators will be able to administer corrective action and enter an explanation as to why that action was undertaken

4. Nonfunctional Requirements

NFR0: The home page will automatically be generated to the most relevant and popular artist in the app at the given moment at time.

NFR1: The search page for users will generate artists that the user may have followed and similar artists to the things that they like allowing them to refresh and generate other artists that they may find appealing.

NFR2: Feedbacks page will automatically generate for the Administrator to review and address.

5. Scenarios
    a. Users - Francis K'briuh
        i. Search/Browse Local Artists and Arts for sale:
            - **Initial Assumption:** The user has access to the web app, is logged in and on the homepage of Spartan Gallery.
            - **Normal:** User will use the search bar and input the keywords "abstract art" or "modern sculptures" to find local artists and pieces that match the users interest.
                - After inputting the keywords, a list of artists with their pieces related to the search will be displayed. Also, will include their price, commission rates, and availability.
                - Users can click on Artists profile to view more details about their work and events that they are hosting.
            - **What Can Go Wrong:** Users may not find what they are looking for due to an incorrect keyword input or lack of available artists. In this case, the system will automatically load the user with similar styles to the keywords searched for.
            - **Other Activities:** The Users can follow an Artist that they may find a liking to. Get notifications for future updates that Artists post. Users can also filter the price range that they are willing to pay for certain pieces.
            - **System State on Completion:** Users will successfully find an artist they may like, follow them and get notifications when the artist posts new pieces or events that they will be attending or hosting.

b. Artists - Ross Dezarn
    i. **List a new art piece**
        - **Initial Assumption:** The user has access to the web app, is logged in and on the artist profile page
        - **Normal:** User will use the “List new art piece” button to create a new piece listing, uploading images of it, its price and availability, as well as the keywords used to define it.
            - After inputting the keywords, a list of other common keywords linked to the input one will appear.
            - Artists will be able to upload images or video clips in order to advertise the piece
        - **What Can Go Wrong:** The Artist may not be able to list due to lacking any images or other key details, or an error can arise while uploading data to the database
        - **Other Activities:** The Artist can identify what type of art it is, such as an image, sculpture, music or more, and can choose to notify all users following their page of the new lesting
        - **System State on Completion:** A new art piece will be added to the database with the appropriate keywords to make searching for the piece easier.

    Art Piece: Needs ArtID, Name, Keywords, Description, ArtistID, Price, Purchasability, Images

c. Administrators - Ross Dezarn

i. **Upgrade Profile to Artist**

- **Initial Assumption:** The user has access to the web app, is logged in and on the pending artist page
- **Normal:** The Admin will be able to review an application, choose whether or not to accept the appeal, and add notes to explain their choice as to why
  - After selecting an application the user's profile the admin will be able to read a brief description from the user about their art as well as view images as proof of concepts
  - The Admin is able to choose whether or not to accept the application, adding a reason as to why they did, as well as not accepting an application
- **What Can Go Wrong:** The admin might not be able to correctly find an application or an application may not properly display all of the application data
- **Other Activities:** The Admin can also submit feedback for the user to improve their application for future submissions
- **System State on Completion:** The user's profile will be successfully upgraded to an Artist account and the decision justification is stored in the database logs

Feedback Form: FeedbackID, AccuseID - UserID of person accusing, IssueID - UserID of person being accused, FeebackType, FeedbackDescription, AdminDescion, AdminStatement

Tables Needed:

Art Pieces

Users - Artists a subtype of User?

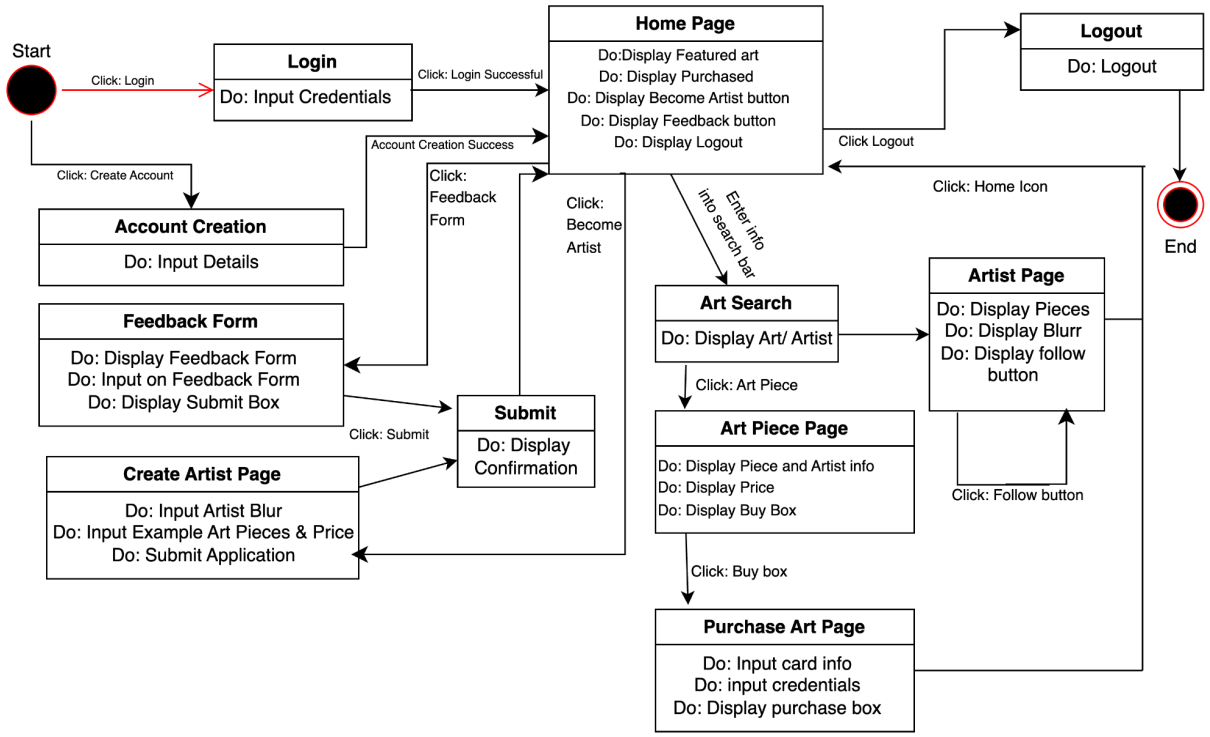
Art Transactions - buy art/commissions

Feedback Forms

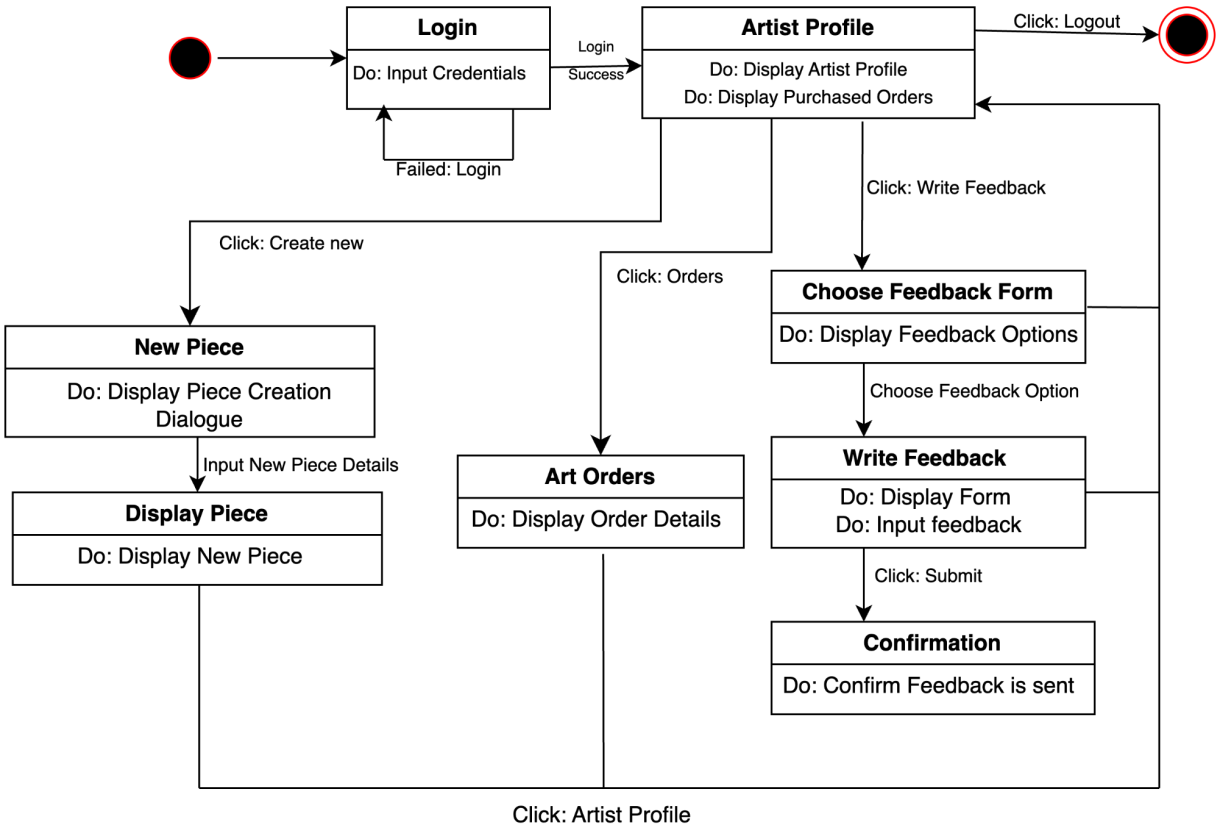
2. Use-Case Model - Frankie

3. State Machine Diagrams:

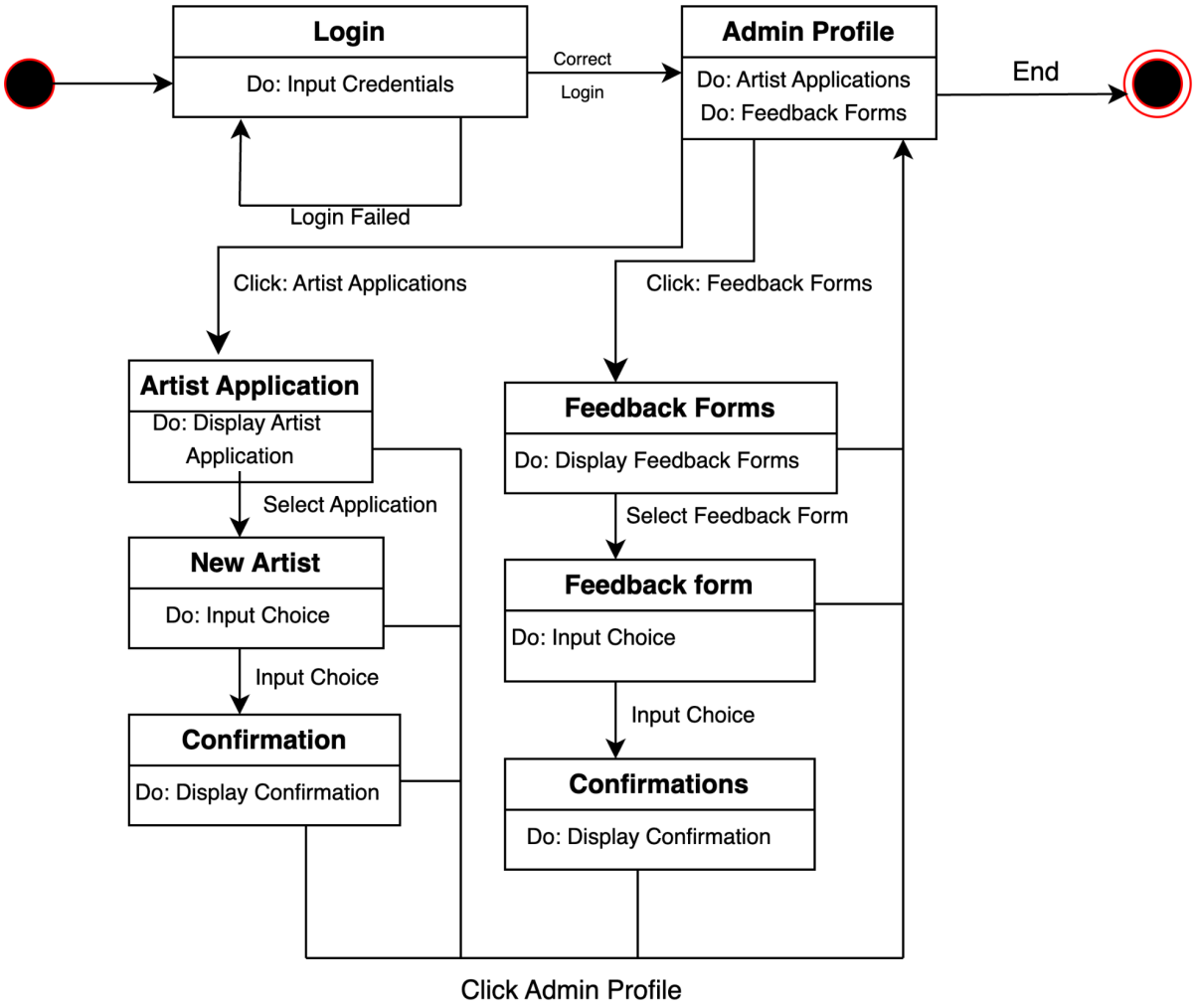
a. User - Frankie



b. Provider/Artist Model - Frankie



c. Admin Model - Frankie



4. Database Schema