Screen Sketches

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Cyclone Sounds

Actors and Functionality

- Regular User:

  - Create: Make a review for a song

  - View: See other people's reviews

  - Play: Play songs related to reviews

  - Vote: Upvote or Downvote for someone's review

- Guest User:

  - View: See other people's reviews

  - Play: Play songs

- Jam Manager User:

  - Jam Creation: Create new Jams

  - Jam Management: Approve or deny user entry to a jam

  - Polls: Host polls

Non-Functional Requirements

- Performance: Users can execute functions efficiently and effectively.

- Design quality: Users can view how to get from page to page and can easily read what is shown.

- Adaptability: New enhancements can be added to the platform without difficulty.

Tables

Profile: Tracks information about the user's musical preferences

- username (id)

- fav_song

- fav_artist

- fav_genre

- biography

- name

Credentials: Tracks information related to account sign-in information

- username (id)

- password

- account_type

Review: Tracks information about song reviews

- id (id)

- rating

- reviewer

- up_votes

- down_votes

- body

Song: Uses the API to populate table with information about every song

- song_id (id)

- artist

- songName

- genre

- listenLink

Playlists: Tracks information about songs added or removed from playlists made privately or by groups in jams

- user

- shareable

- SongID

- PlaylistID

Song Search: A Table that stores previously searched songs by the user

- Song object

Friends + chat: Tracks information of which users are friends with whom

- User1

- User2

- Chat History

Jams: Tracks information for messages made between users in a group chat

- user

- jamName

- messages (list of messages from users)

Table Relationships

Profile - Credentials: Use the same username and password information. When new users are created, they are also added to the profile table with all other information null until filled out inside the profile page.
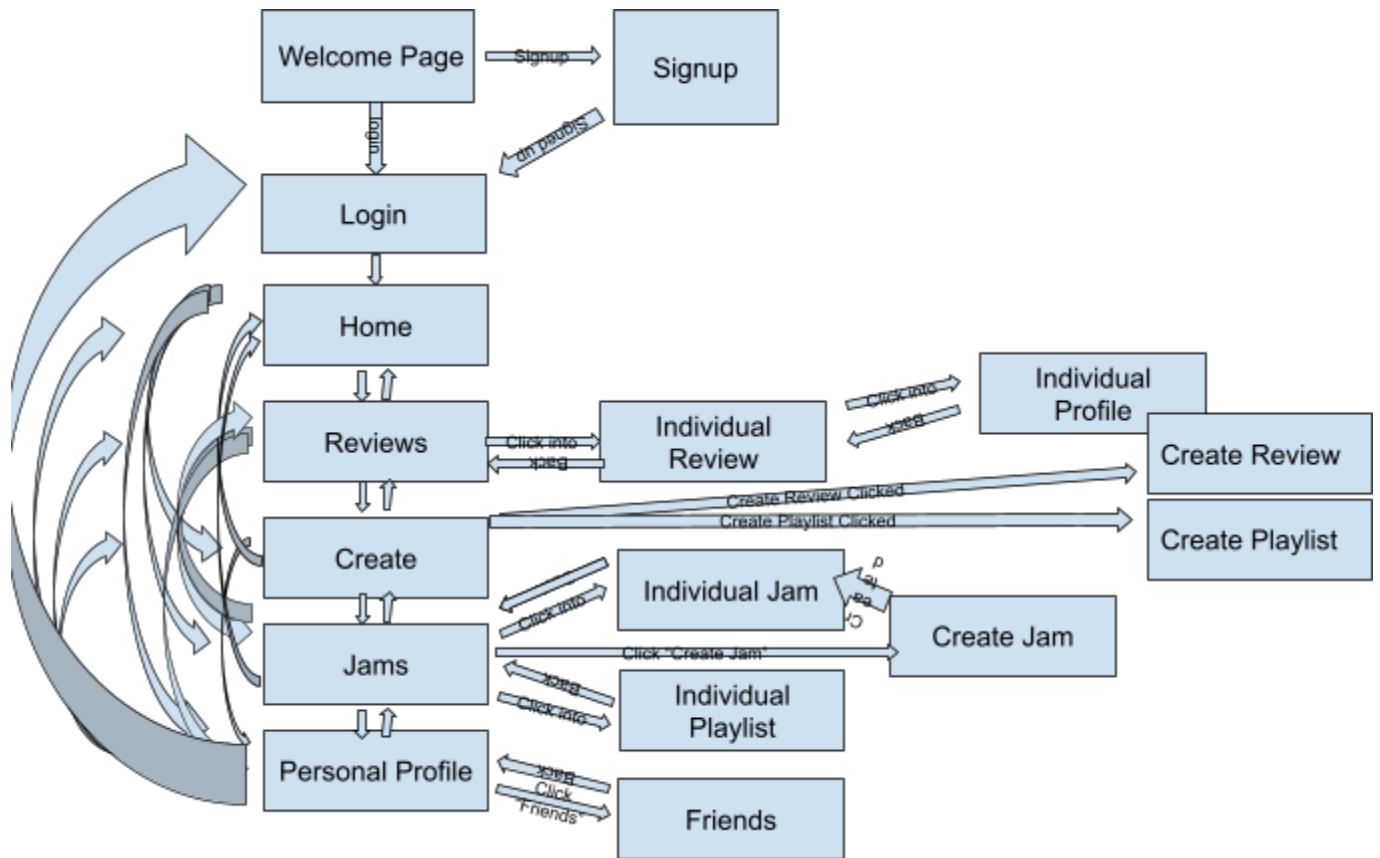
Friends - Profile: Uses usernames to connect profiles with other profiles.

Review - Profile: The Review feature pulls username information from the profile when reviews are created.

Review - Songs: Review connects the review to a song by storing the song ID for each review.

Song - Playlist: Songs will be pulled from the Songs table and will be added to the list when added to the playlist table. Objects stored in the songs table will never be removed.
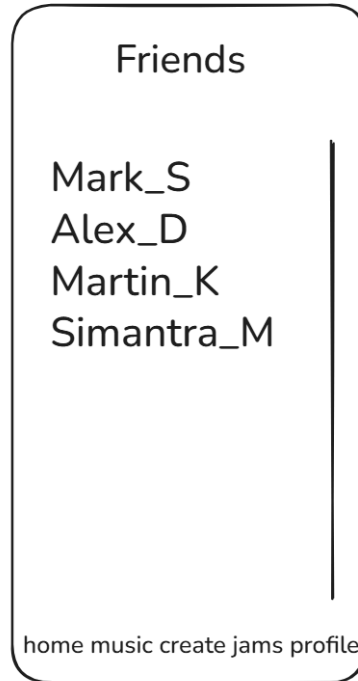
Screen Flow Diagram

On the left side: Bottom line of buttons to navigate the application

Screen Sketches

Friends Page: Jack Danby

Friends

Mark_S
Alex_D
Martin_K
Simantra_M

home music create jams profile

The purpose of this screen is to display all the friends that a user has added on the app There will be a scroll bar on the side so that you can see all friends. If you want to click on one of your friends, you will be able to see their profile.'

1. Friends list: used to display friends and take you to the profile

2. Bottom Bar: used to navigate through the app

3. Scrollbar: used to scroll through friends

Profile Page: Jack Danby

Edit your Profile

Name

Favorite song

Favorite Genre
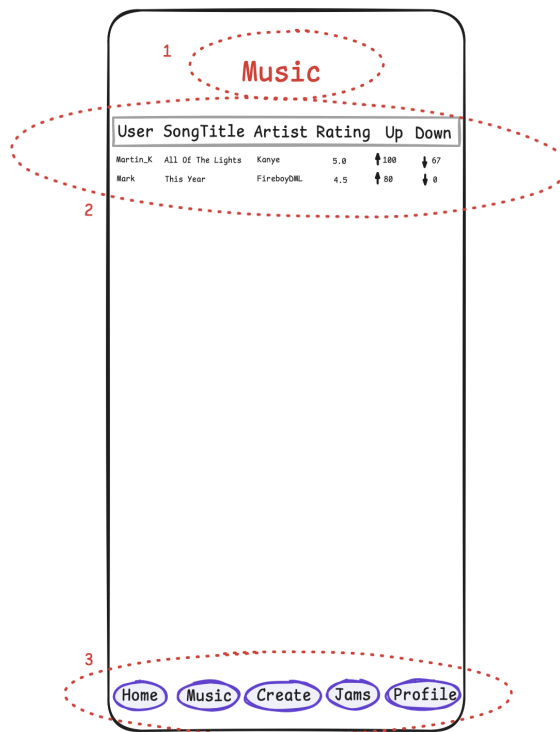
Favorite Artist

Biography

Update Info

Delete
Account

home music create jams profile

The purpose of this page is to display your current profile and allow you to edit or just view any information that has been added. When an account is first created, the info is null.

1. Info fields: These display your information, and if you click on them, you can update your information.

2. Update info button: this allows you to push your final changes on the profile page, so when the user is finished filling out the fields, this button is pressed to update

3. Delete account button: This deletes your account.

4. Bottom bar: used to navigate the app.

Music

User	SongTitle	Artist	Rating	Up	Down
Martin_K	All Of The Lights	Kanye	5.0	⬆100	⬇67
Mark	This Year	FireboyDML	4.5	⬆80	⬇0

Home | Music | Create | Jams | Profile
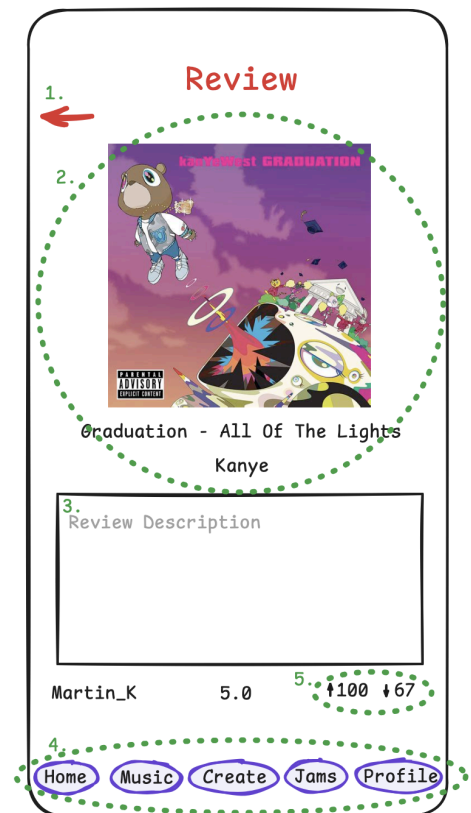
Martin: Reviews

This is the Music page, which displays the songs and their corresponding reviews.

1. This is just the title of the page, so users know which page they are currently on.
2. This is a list of all reviews, allowing users to view and interact with others' and their own reviews. They can interact with the reviews by hitting the up and down buttons to upvote and downvote.
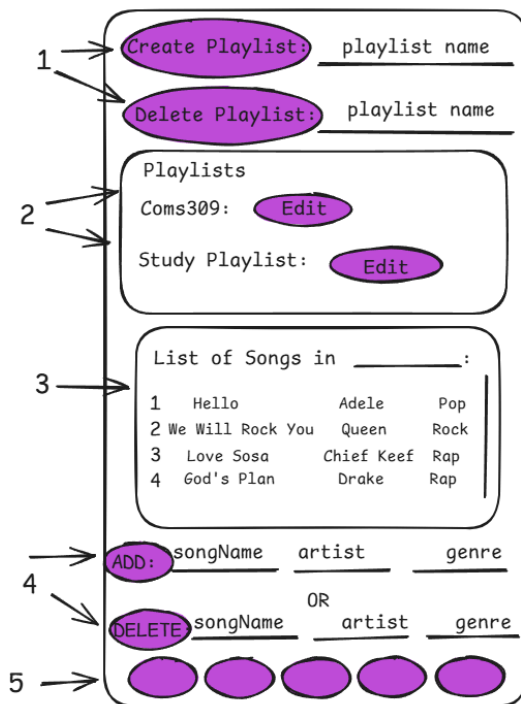3. This navigation bar allows users to easily navigate the app.

Martin: Individual Reviews

This page provides additional information about each review and the songs it covers.

1. This is an arrow button that allows users to return to the Music page.
2. This is metadata about the song being reviewed, including its picture, album, and title.
3. This is a brief description for the review, allowing users to express why they gave the review that they did.
4. The navigation bar allows users to navigate to other pages.
5. This is the upvote and downvote button that allows users to basically like and dislike the shown review.

Review

Graduation - All Of The Lights
Kanye

Review Description

Martin_K   5.0   ⬆100 ⬇67

Home | Music | Create | Jams | Profile

Mark Seward: Individual Playlist

1. Create and delete playlist buttons

2. List of playlists

3. Songs in playlist

4. User feature to edit playlist

5. Function buttons

Purpose: This feature enables users to create personalized playlists, granting them complete control over the content within each playlist they create. The user is given all the necessary functionality to create, view, and edit playlists they create. This is helpful for keeping track of songs that you do not want to share with the public.

(1) Buttons that will create or delete playlists when pressed. They require the name of the playlist to confirm that the playlist name is acceptable for creation or that they are deleting the correct playlist.
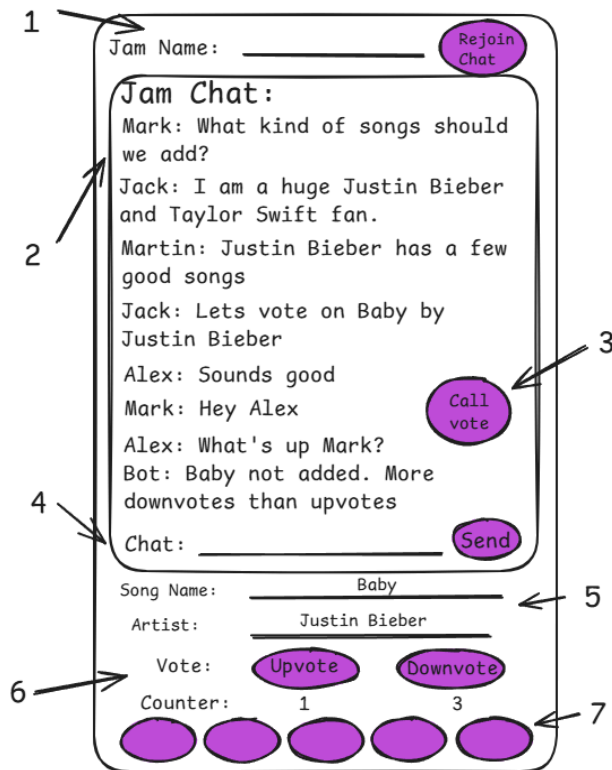
(2) This area allows the user to view the playlists they have created, with an edit button available for further changes.

(3) When an edit button is clicked, the list of songs in that playlist will appear here.

(4) Buttons that allow the user to edit the playlist they are currently viewing. They can add or delete songs and need to enter the song title, artist, and genre to ensure the correct song is selected.

(5) The navigation bar enables users to navigate to other screens within the app.
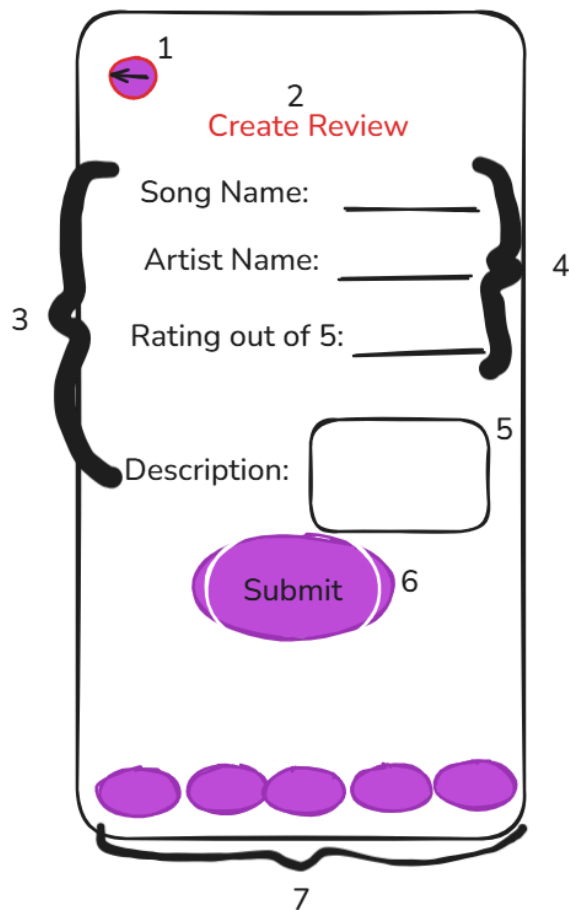
Mark Seward: Jams

1. User enters jam by name
2. Jams chat
3. Voting button
4. Information on song being voted on
5. Vote Counter
6. Navigation buttons

Purpose: The purpose of the jams page is to collaborate with other users on creating a group playlist. This feature utilizes websockets to enable communication and interaction with the app. Jams are one of the primary communication features in our app, enabling users to collaborate.

Diagram labels (from mockup):

- Jam Name: _____   Rejoin Chat
- **Jam Chat:**
  - Mark: What kind of songs should we add?
  - Jack: I am a huge Justin Bieber and Taylor Swift fan.
  - Martin: Justin Bieber has a few good songs
  - Jack: Lets vote on Baby by Justin Bieber
  - Alex: Sounds good
  - Mark: Hey Alex
  - Alex: What's up Mark?
  - Bot: Baby not added. More downvotes than upvotes
  - Call vote
- Chat: _____   Send
- Song Name: _____ Baby
- Artist: Justin Bieber
- Vote: Upvote   Downvote
- Counter: 1   3

(1) This feature allows users to select a certain jam chat they want to be a part of. This allows users to be in multiple chats simultaneously.

(2) The jam chat is where all communication between users takes place. It also saves chats for users to look back on.

(3) The call vote button allows any member of the jam to initiate a vote and decide whether a song should be included in the playlist or not. This is essential for collaboration in a playlist. It will also be used to delete songs from jam playlists

(4) Chat bar where user enters chat they want to send to the jam

(5) User who calls the vote inputs the information to be voted on.

(6) Allows all users in the jam to vote on the song and has a counter so all users can see results live.

(7) The navigation buttons allow users to go back and forth with other functions in the app.

1. Back Button

2. Title of Screen

3. Indicators of inputs

4. Small areas for user input

5. Larger area for user input
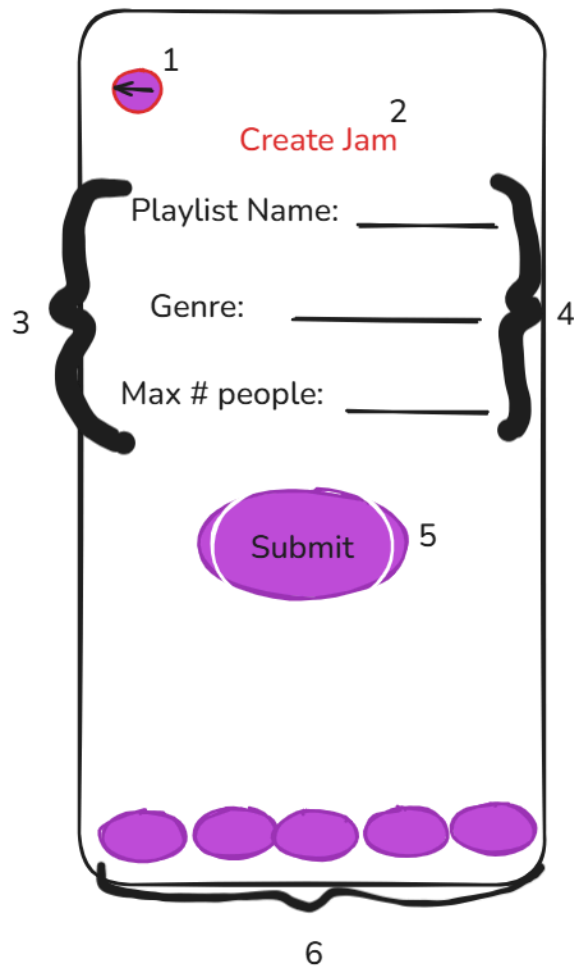
6. Submit button

7. Navigating bar

The purpose of this screen is to allow a user to create a review of a song. The user can input information about the song, rate it, and give reasoning for why that song received that rating. Once the user creates the review, it populates the reviews database and allows it to be seen in the Reviews page.

The back button (1) takes the user back to the Create screen where they previously were. The title of screen portion (2) tells the user what screen their on. The indicators of inputs (3) tells the user what type of things to input for the small and large areas for user input (4 and 5). The description input is larger as we expect people to possibly write larger descriptions. The submit button (6) finalizes the review and the navigating bar (7) has buttons that allow you to go to different pages.

1. Back Button

2. Title of Screen

3. Indicators of inputs

4. Areas for user input

5. Submit button

6. Navigating bar

The Create Jam screen is used for users to create a "Jam" which allows users to collaboratively create a playlist in real time. Creating a jam in turn creates a playlist with a set genre.

The back button (1) takes the user back to the Jams page which was where they were previously. The title of screen (2) lets the user know which page they are on in case they forgot how they got there. The indicators of inputs (3) let the user know what type of information to input into the areas for user input (4). The submit button (5) creates the jam and playlist simultaneously and sends the user to the jam screen. The navigating bar (6) allows the user to navigate to separate pages within the application.