Rank Selected Song

Context

Library has songs and a song is selected

Primary Flow

1. Selected song has no rank, system displays a blank rank
2. Listener provides a rank
3. System stores rank provided to the selected song
4. System displays the stored rank for the selected song

Alternative Flows

Selected Song Has a Pre-existing Rank

A1. Selected song has a rank, system displays the rank for the selected song
A2. Return to primary flow step 2

User Cancels Before Changing Rank

A2. User exits (e.g., closes application or selects a new song) without providing a new rank

Add Song

Context

None

Primary Flow

1. Listener selects to add a song
2. Listener provides valid information for a song
3. Listener confirms adding song with current information
4. System adds song to library and displays new song details

Alternative Flows

Missing required information

A2. Listener provides information with required information missing

A3. Listener is unable to confirm adding song with current information

A4. System displays error message indicating missing or incorrect information

A5. Return to Primary Flow step 2

Invalid information

A2. Listener provides information with invalid information for some fields

A3. Listener is unable to confirm adding song with current information

A4. System displays error message indicating missing or incorrect information

A5. Return to Primary Flow step 2

Song already exists

A4. System displays error message indicating song with specified title and artist already exists

A5. Return to Primary Flow step 2

Listener cancels adding

A3. Listener cancels adding

A4. System clears any information provided and exits the add song process

Select Song

Context

At least one song has been added to library

Primary Flow

1. Listener selects a song from the library
2. System displays song information

Alternative Flows

None

Tag Selected Song

Context

Song is selected

Primary Flow

1. Listener provides a new tag for the song
2. Listener confirms adding the new tag
3. System updates the song to link with the new tag, adds the new tag to set of tags in the system, and displays all information for the song (including new tag)

Alternative Flows

Listener does not provide tag

A1. Listener is not able to confirm adding the new tag for the song

A2. Return to primary flow step 1

Listener does not provide valid tag

A1. Listener provides invalid tag

A2. Listener confirms adding the new tag

A3. System displays error message indicating the tag is invlid and rules for valid tag

A4. Return to primary flow step 1

Listener provides tag that exists in the system but is not added to the song yet

A3. System updates the song to link with the new tag and displays all information for the song (including new tag)

Listener provides tag that has already been added to the song

A1. System indicates that the tag has already been added to the song

A2. Return to primary flow step 1

Edit Selected Song

Context

Song is selected

Primary Flow

1. Listener selects to edit the song
2. Listener provides valid information for the song
3. Listener confirms editing song with current information
4. System updates song and displays new song information

Alternative Flows

Missing required information

A2. Listener provides information with required information missing

A3. Listener is unable to confirm editing song with current information

A4. System displays error message indicating missing or incorrect information

A5. Return to Primary Flow step 2

Invalid information

A2. Listener provides information with invalid information for some fields

A3. Listener is unable to confirm editing song with current information

A4. System displays error message indicating missing or incorrect information

A5. Return to Primary Flow step 2

Song already exists

A4. System displays error message indicating song with specified title and artist already exists

A5. Return to Primary Flow step 2

Listener cancels adding

A3. Listener cancels adding

A4. System clears any information provided and exits the edit song process without changing song information

Generate Playlist

Context

Library has songs

Primary Flow

1. Listener provides seed information including target playlist length and has ranked some songs
2. System generates a playlist with specified length without repeating a song based on seed information and song rankings

Alternative Flows

rank and seed information provided, no length provided

1. Listener provides seed information and has ranked some songs
2. System generates a playlist with length between 10 and 15 songs without repeating a song based on seed information and song rankings

rank or seed information not provided, length provided

1. Listener provides seed information including target playlist length and has ranked some songs
2. System generates a playlist with specified length without repeating a song based on available information

rank or seed information not provided, length not provided

1. Listener provides seed information including target playlist length and has ranked some songs
2. System generates a playlist with length between 10 and 15 songs without repeating a song based on available information