

# Detail Design Specification

## *Graphical User Interface Documentation*

### ***Music Space Project***

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**Version:** v1.0

**Date:** 26/04/2017

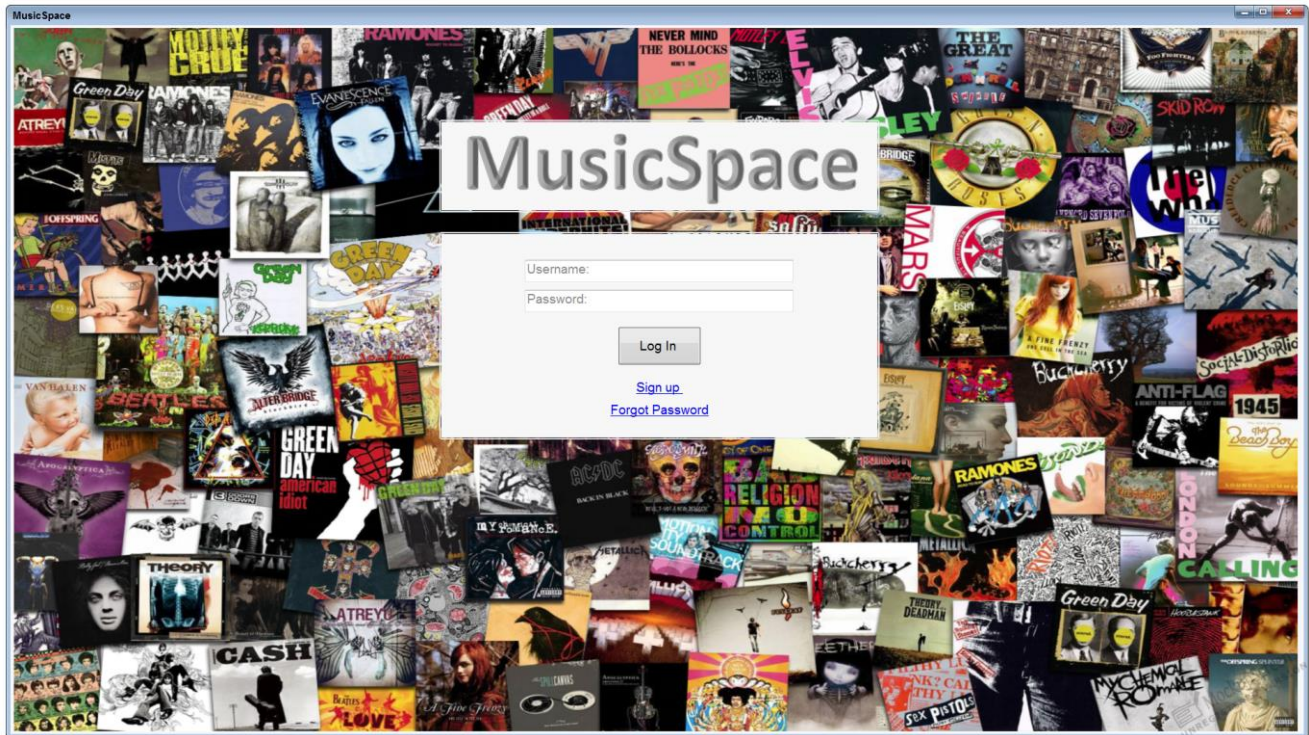
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# Documentation for GUI Mock-Up:

## Screen 1: Login:



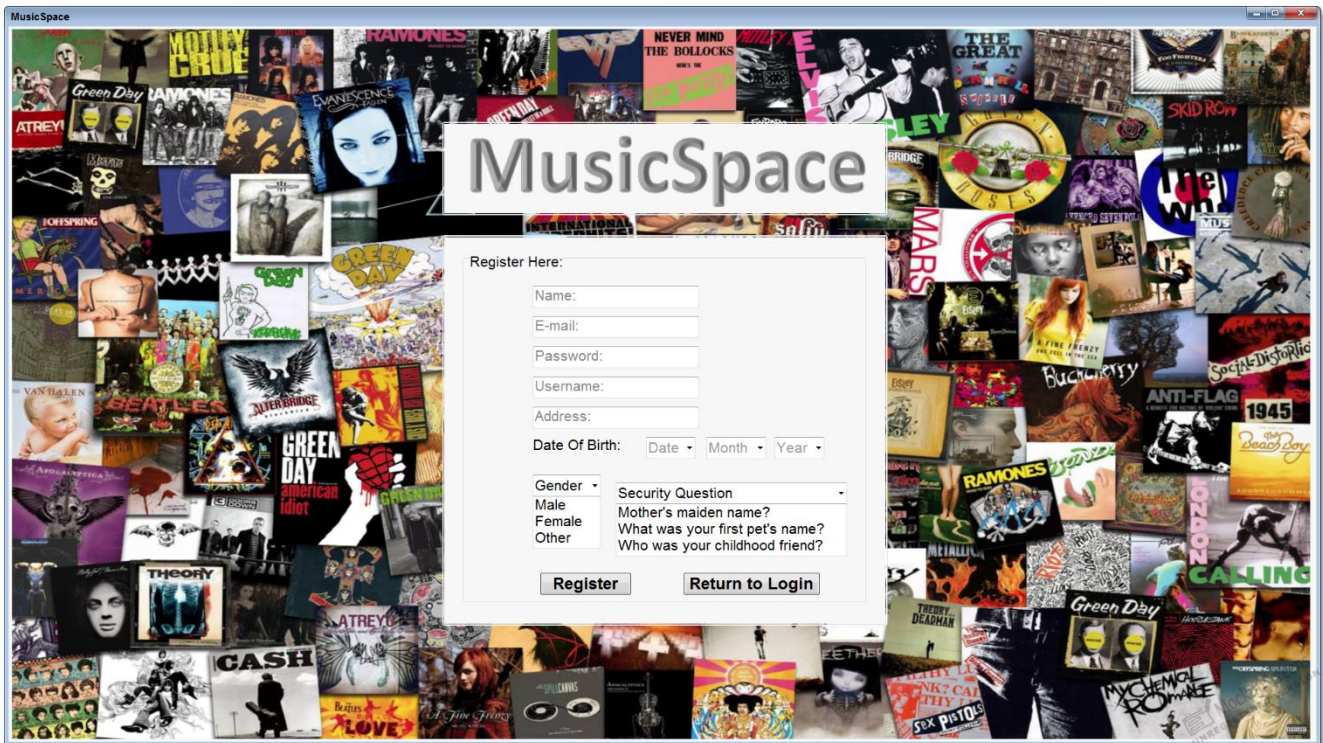
This screen allows existing users to log into the MusicSpace service, and is the default screen that is opened the first time a user opens the application. Login is required every time a user opens the application.

**Input:** Username, password.

**Output:** User is logged into the service in the client.

**Links to:** Registration Screen (when clicked), Account Recovery Screen (when clicked), Home Screen (upon successful login).

## Screen 2: Registration:



MusicSpace

Register Here:

Name:

E-mail:

Password:

Username:

Address:

Date Of Birth:  Date  Month  Year

Gender: ☐ Male ☐ Female ☐ Other

Security Question:

Mother's maiden name?

What was your first pet's name?

Who was your childhood friend?

This screen allows new users to sign up to the service, by providing the relevant account details. Registration is required before the service can be used in full.

**Input:** Full name, email address, password, username, home address, date of birth, gender, chosen security question, answer to security question.

**Output:** New user registered with the service, and logged into the service.

**Links to:** Login Screen (when clicked), Home Screen (upon successful registration).



### Screen 3: Account Recovery:

MusicSpace

Username/E-mail:

Security Question: Childhood pet's name?

Answer to your security question?

Retrieve Temporary Password

Username/E-mail:

Send recovery e-mail

Return to Login

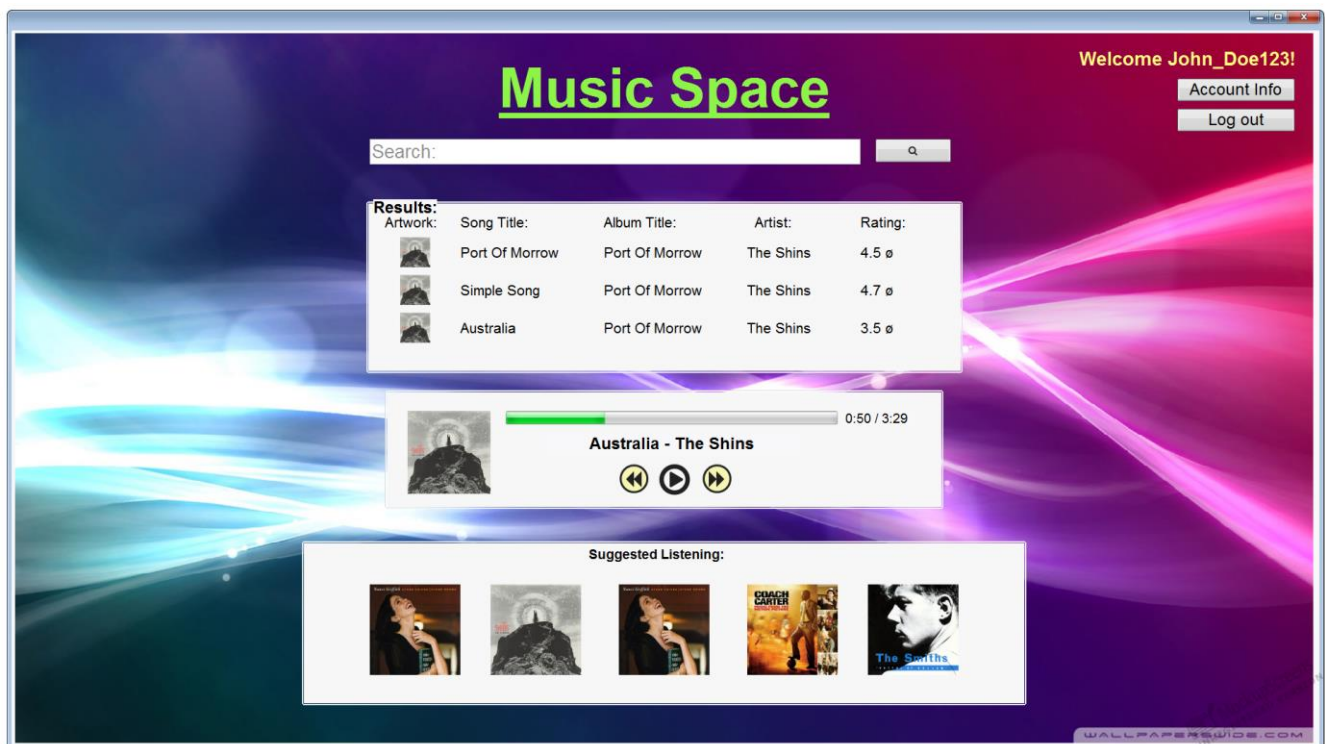
This screen allows registered users who have forgotten their login details (username or password) to retrieve their account. If the username or email, and security question answer are remembered, the client can validate the user, and allow the retrieval of the account, which will generate a temporary password with which the user can log in. If the security question answer is not remembered, the user can input their username or email, and a recovery email will be sent to the associated email account (email log-in counts as user validation).

**Input:** Username or email, answer to security question.

**Output:** A temporary password may be generated, or a recovery email will be sent out. After which, the user is returned to the log-in interface.

**Links to:** Login Screen (when clicked or on completed account retrieval process).

#### Screen 4: Home:



This screen allows successfully logged-in users to access the searching and streaming interfaces. The user can search for songs, artists, albums, etc. via the search interface, with the most relevant results returned in the box below. The user can then select one of these songs and, provided the user has sufficient free daily songs or account balance remaining, the songs will be played via the streaming interface located below the search results pane. Each time a song is played, either the appropriate cost is subtracted from the users account balance, or from their daily free song tally. The service keeps track of songs listened to and given high ratings by the user, and generates “suggested listening” based off of these preferences.

On successful login, the user is welcomed in the form of text generated in the top-right of the screen.

The user can access their account information screens or log out from this interface.

**Input:** Search terms (in the search box), user information (to keep track of balance/daily tally, and to generate welcome text), streaming interface control (play, next track, previous).

**Output:** Search results are generated and outputted after a search term is inputted (if nothing is inputted, the results of the last search are displayed), songs are retrieved and played via the streaming interface when requested, suggested listening results, welcome text, and the account balance and/or daily free song tally is updated from this interface.

**Links to:** Account Information screen, Log-In Screen (via logging out function)

## Screens 5 & 6: Top-Up Account:

The image displays two screenshots of a web application interface for topping up an account. Both screens feature a vibrant, abstract background with blue and purple light streaks.

**Top Screenshot (Screen 5):** The window title is "Top-up management". The main heading is "Top Up Account". The form contains the following fields and controls:

- Cardholder Name:
- Credit Card No.:
- Expiry Date:  -
- Security Code:
- Top-Up Amount:  (dropdown menu showing €10.00 and €20.00)
- 
- 

**Bottom Screenshot (Screen 6):** The window title is "Top-up management.copy". The main heading is "Top Up Account". The message displayed is "Your account has been successfully topped up!". At the bottom, there is a button labeled "Return to Homepage".

This screen allows successfully logged-in users to add funds to their current account balance, in amounts of €10 and €20. The actual payments are handled by a 3<sup>rd</sup> party API, but the credit card details are inputted in the programme and sent to the 3<sup>rd</sup> party API by the service. As shown above, a message is outputted upon successful top-up.

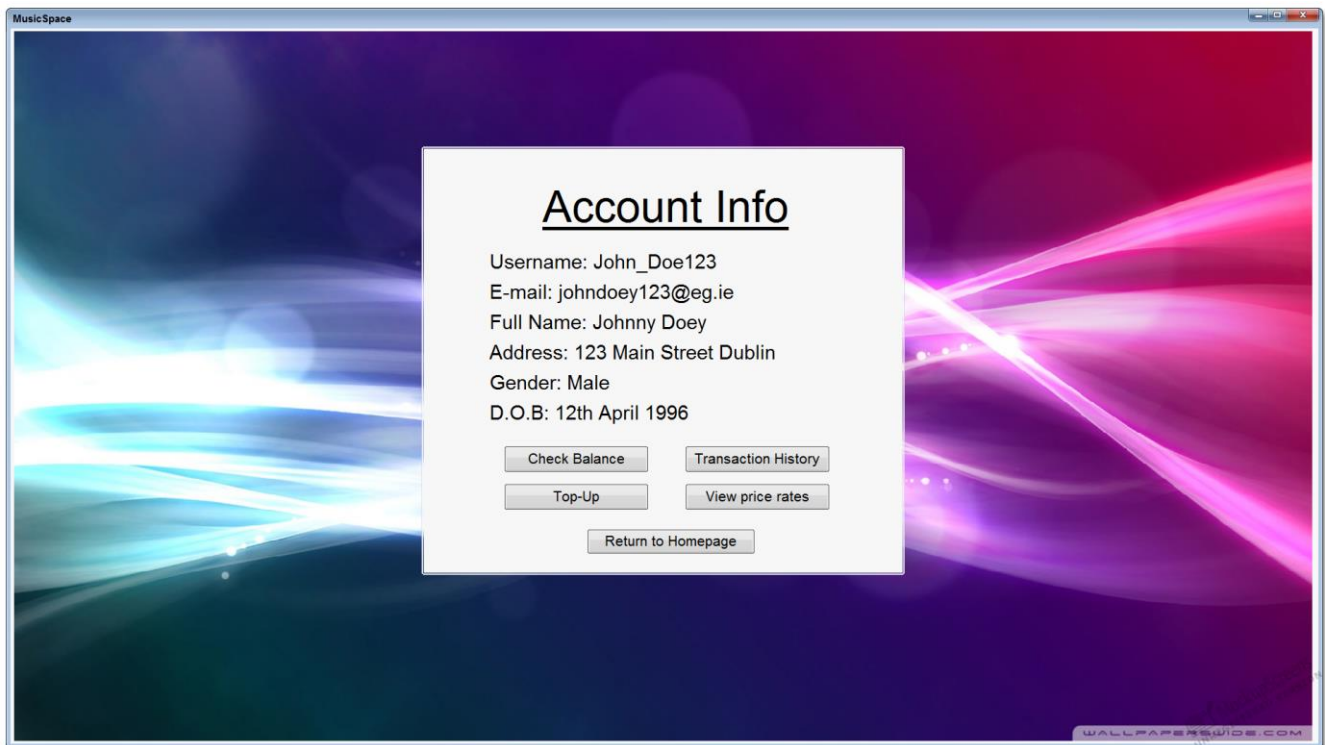
**Input:** Credit card details, top-up amount.

**Output:** Details are sent to 3<sup>rd</sup> party API, success message is displayed on successful top-up.

**Links to:** Account Information (on abandoned top-up attempt), Homepage (on success).



## Screen 7: Account Information:



This screen allows successfully logged-in users to access their account information details, specifically their username, associated email address, full name, home address, gender, and date of birth.

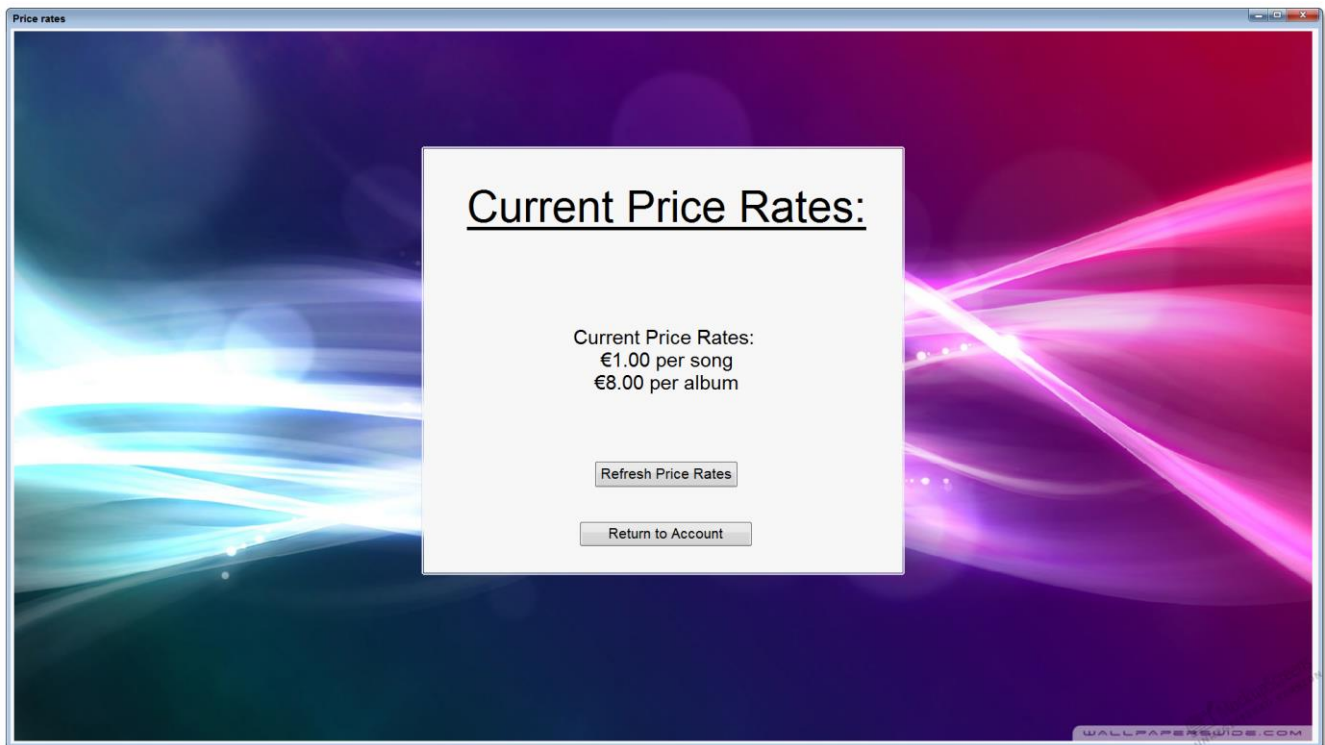
From this screen, users can access the “Check Balance”, “Transaction History”, “Top-Up”, “Price Rates”, and “Home” screens.

**Input:** User login details.

**Output:** User account information.

**Links to:** Check Balance, Transaction History, Top-Up, Price Rates, Home.

## Screen 8: Price Rates:



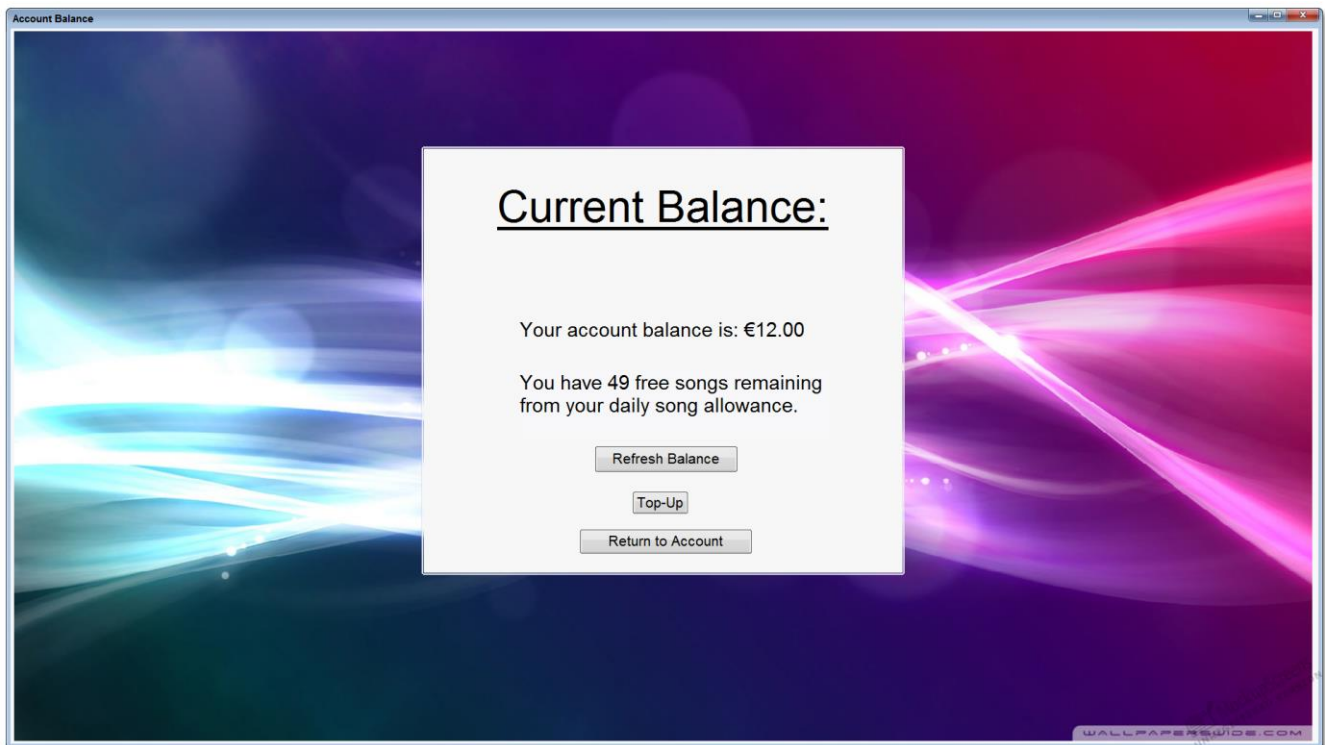
This screen allows users to check the current price rates per song and album.

**Input:** None.

**Output:** Current price rates, per album and per song.

**Links to:** Price Rates (basically a refresh function), Account Information.

## Screen 9: Account Balance:



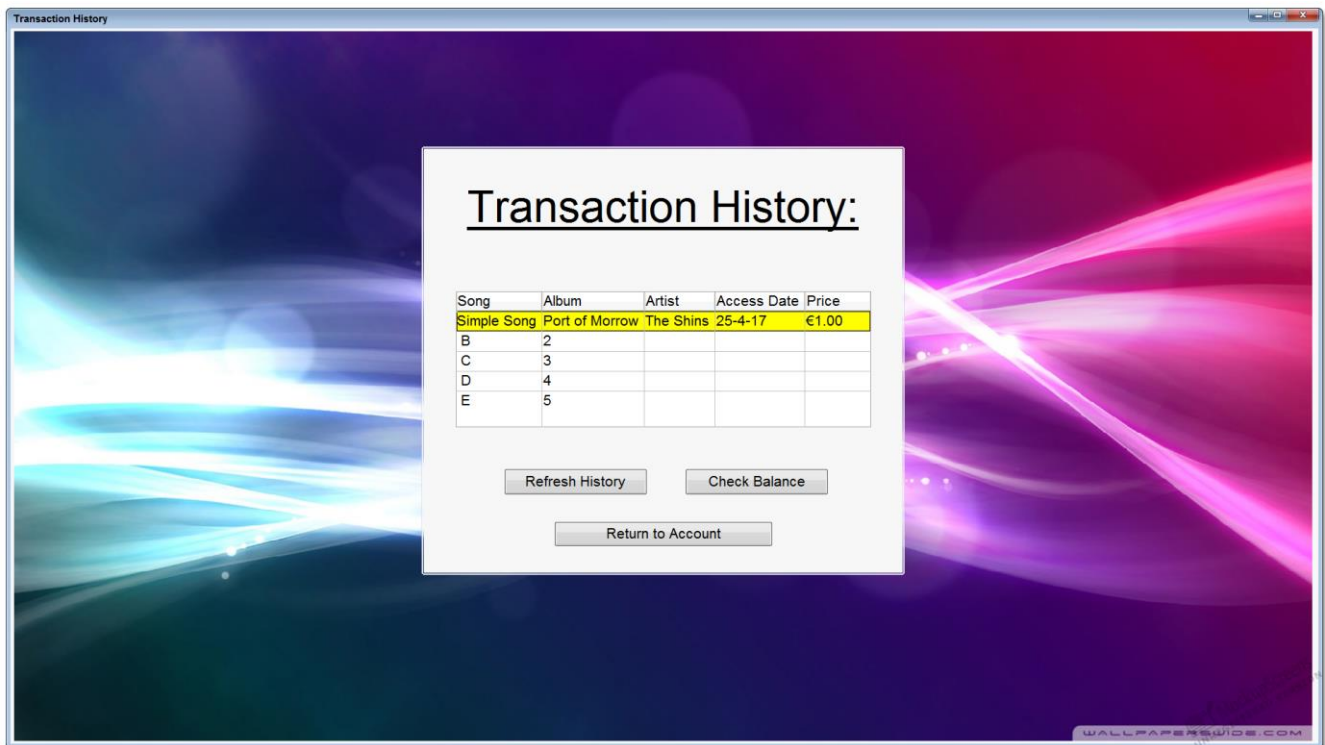
This screen allows users to check their current account balance, and see how many songs are remaining in their daily free song allowance.

**Input:** Log-in details.

**Output:** Current account balance, account daily song allowance remaining.

**Links to:** Account Balance (basically a refresh function), Top-Up, Account Information.

## Screen 10: Transaction History:



This screen allows users to check their account's transaction history, detailing a list of all songs streamed since account creation, the albums and artists those songs belong to, the date they were accessed, and the price paid for the songs in question.

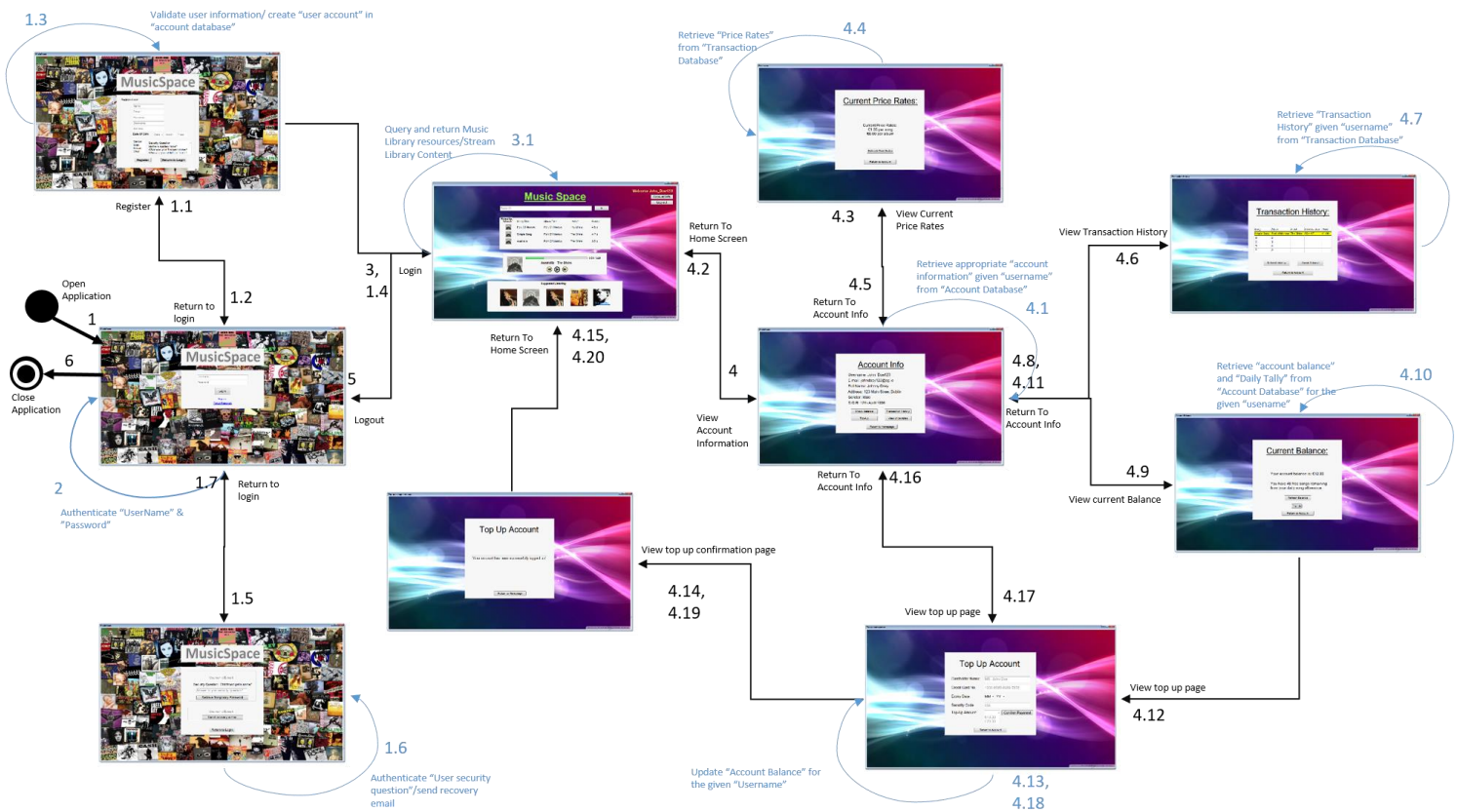
**Input:** Log-in details.

**Output:** Account transaction history.

**Links to:** Account Transaction History (basically a refresh function), Account Balance, Account Information.



# UI State Transition Diagram:



***\*If the resolution on this image is insufficient, it can be found as a PDF with the other files submitted***