

User Interface Design Document

MusicBug

Client

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1. Introduction

User interfaces are an important part of any application and are vital to the use of all features. Many companies overlook the importance of the user experience, only thinking about function. We have spent much time in creating an intuitive user experience.

1.1 Purpose of This Document

The purpose of this document is to show the user how to navigate and interact with the MusicBug web application. Images will show how MusicBug is interconnected and will display the different pages within the application. Important features are highlighted to familiarize users with all features MusicBug offers.

1.2 References

1. MusicBug System Requirements
2. Open Process Framework (OPF): Navigation Diagram
<http://www.opfro.org/index.html?Components/WorkProducts/DiagramSet/Architecture/NavigationDiagram/NavigationDiagram.html~Contents>

2. User Interface Standards

This section contains an overview of the design standards used in the MusicBug web application. As seen in Figures 1.0 to 1.1 below, there are five aspects to the MusicBug layout that are consistent throughout the application. First, the MusicBug Logo will appear in the upper left corner of every page. Second, the top rated albums and tracks will always appear on the left hand side, while the recent reviews and ratings will always appear on the right. The search bar will always appear at the top of the screen and the register/login button will always appear on the top right hand side of the page.

Recent reviews and ratings can be clicked to navigate to the associated item's page. MusicBug's home page or landing page, allows the user to search for any artist, album or track, by entering a query into the the Search bar's text field. The string entered by the user will appear on the Search Results Page (Figures 5.0 to 5.2). The Profile Button navigates to the Profile Page (Figures 3.0 to 3.1). The Profile Page, when the user is logged-in, displays the user's favorite artists, albums and tracks that they have selected as their "Favorites". The user can click on either an artist, album or track they have favorited to be forwarded to each

respective details page. When clicking the favorited artist, the user will be transferred to the Artist Details Page (Figures 6.0 to 6.1), where all artist information and albums released by that artist are displayed along with associated artist artwork. Clicking on an album will forward the user to that Albums Details Page (Figures 7.0 to 7.1). The Album Details Page displays the album's name and artist, the release date of the album, a list of tracks on the album, the lengths of the tracks and album artwork. Clicking a specific track will navigate to the Track Details Page (Figures 8.0 to 8.2), displaying track information along with the album artwork and lyrics. The user can click on the artist or album, at any time, to return to the Artist Details Page or Album Details Page. Additionally, lists of the user's reviews and ratings are displayed below their favorites on their Profile Page. These can also be clicked to be redirected to their respective details pages. If the user is logged in, at the bottom of the page are entry fields for the user's credit card information, if they want to store it on the site.

Figure 1.0 Home Page (Base Page)

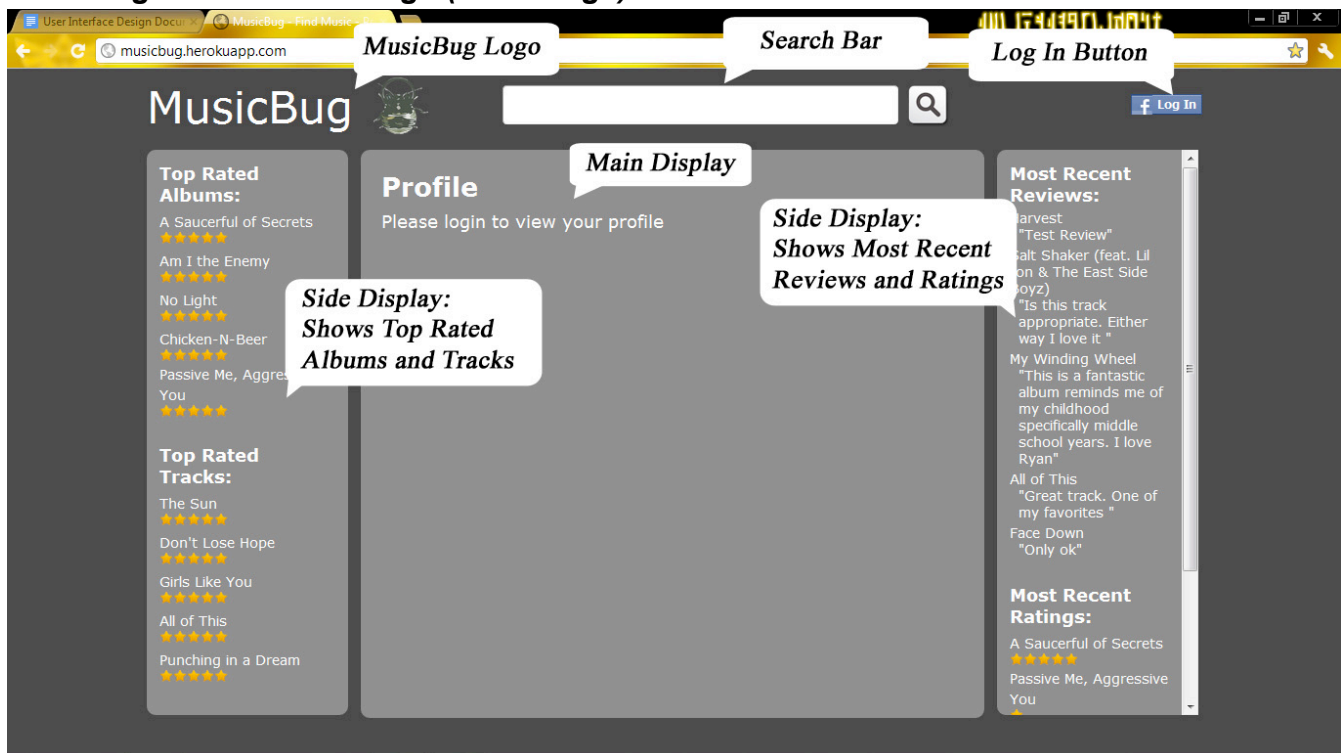
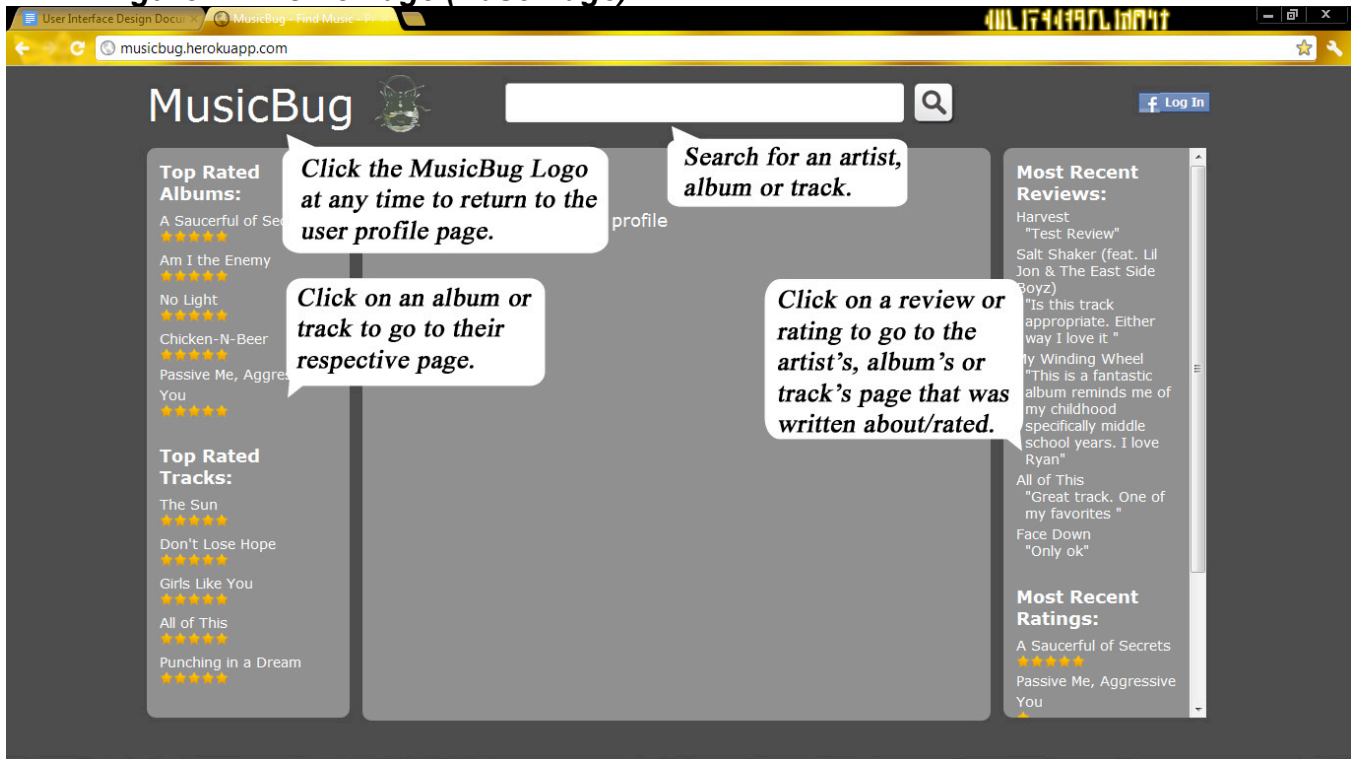


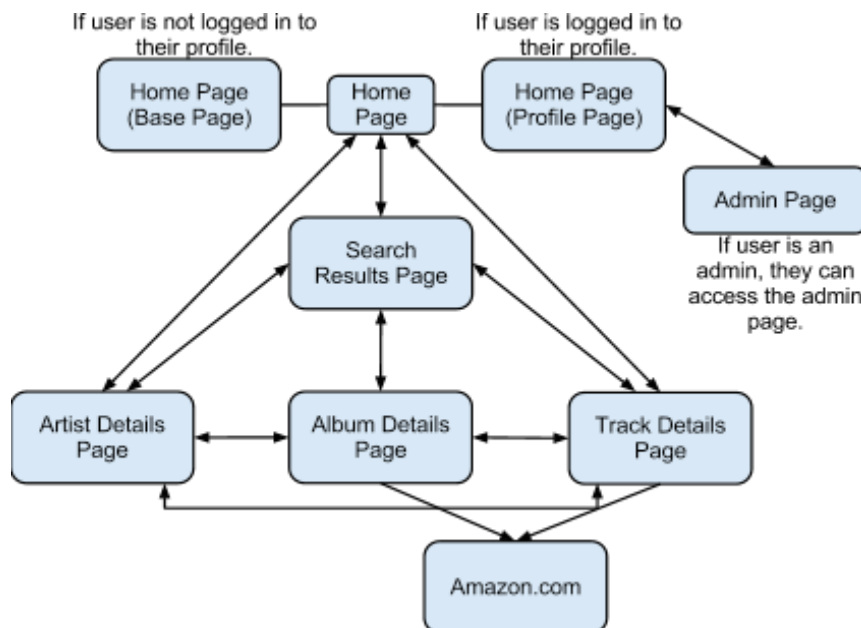
Figure 1.1 Home Page (Base Page)



3. User Interface Walkthrough

3.1 MusicBug Navigation Diagram

The following navigation diagram or sitemap explains possible user flow through the system.



3.2 MusicBug Walkthrough

3.2.1 Searching

All pages in the MusicBug application can launch a search. This is a part of the User Interface Standards, mentioned earlier in Section 2. The user can enter an artist, album or track into the Search Box, click the Search Button, on the right, or hit the return key, to begin a search. The results of the search are displayed on a Search Results Page (Figures 5.0 to 5.2). The results are organized in the order of related artists, albums then tracks. Clicking the next and previous buttons will navigate the user through the results from the search. On the results page, the user may click on either an artist's name, to navigate to the Artist Details Page (Figures 6.0 to 6.1), an album, to navigate to the Album Details Page (Figures 7.0 to 7.1), or a track, to navigate to the Track Details Page (Figures 8.0 to 8.2). The Artist Details Page shows a list of albums released by the artist, and the release dates of each album. The user may click on an album to navigate to the Album Details Page. The Album Details Page displays the name of the album, the artist's name, the list of tracks on the album and the length (in minutes) of each track. The user may also click on a track to navigate to the Track Details Page. The Track Details Page (Figures 8.0 to 8.2) displays the track length title, and lyrics. On all three of the details pages (for Artist's, Album's and Track's), the user may click on the "Favorite" button to add that item to their favorites. The user may also write reviews and post comments to Facebook about that item. On both the Album and Track Details Pages, the user may click on the "Buy" button, which will transfer them to Amazon.com (Figures 9.0 to 9.1), in order to purchase the album or track off Amazon.

3.2.2 Profile

Clicking the MusicBug Logo will navigate to the User's Profile Page (Figure 3.0 to 3.1), if logged in to an account. If not logged in, the user will be transferred to the base Home Page (Figures 1.0 to 1.1). The Profile Page contains the User Interface Standards mentioned earlier in Section 2 and a Content Display Panel. The Content Display Panel will show a list of all artists, albums, and tracks favorited by the signed-in user. The user may click on a favorited artist, album or track to navigate to the associated Detailed page. The Profile Page also contains all albums and tracks rated or reviewed. Clicking on a review or rating will navigate the user to the associated reviewed or rated artist or album. At the bottom of the profile page is a entry form for the user to input their credit card information and save to the site.

3.2.3 Administration

Administrators must monitor all reviews that are completed in the system. To access the administration page click Administer Reviews from the profiles page (Figures 3.0 to 3.1). After navigating to the administration page (Figure 4.0); artists, albums and track reviews that have not yet been approved or deleted will appear. Clicking the delete or approve button on the far right hand side will allow an administrator to delete or approve each review. Once approved the reviews will display on the associated artist/album/track page as well as in the recent reviews region. Deleting a review will remove the review from the system. Either approving or deleting reviews will remove it from the Administration page.

3.2.4 Screen Shots

Figure 2.0 - Log In Page

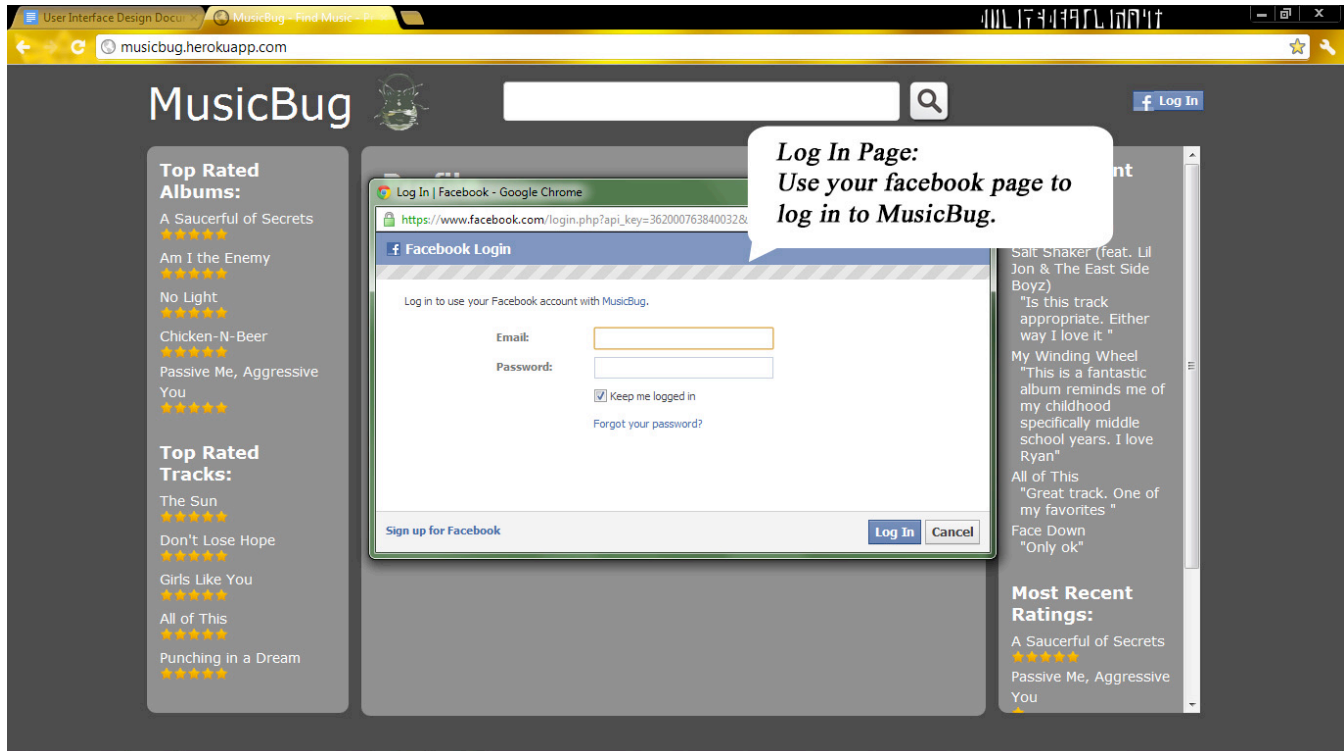


Figure 3.0 - Home Page (Profile Page)

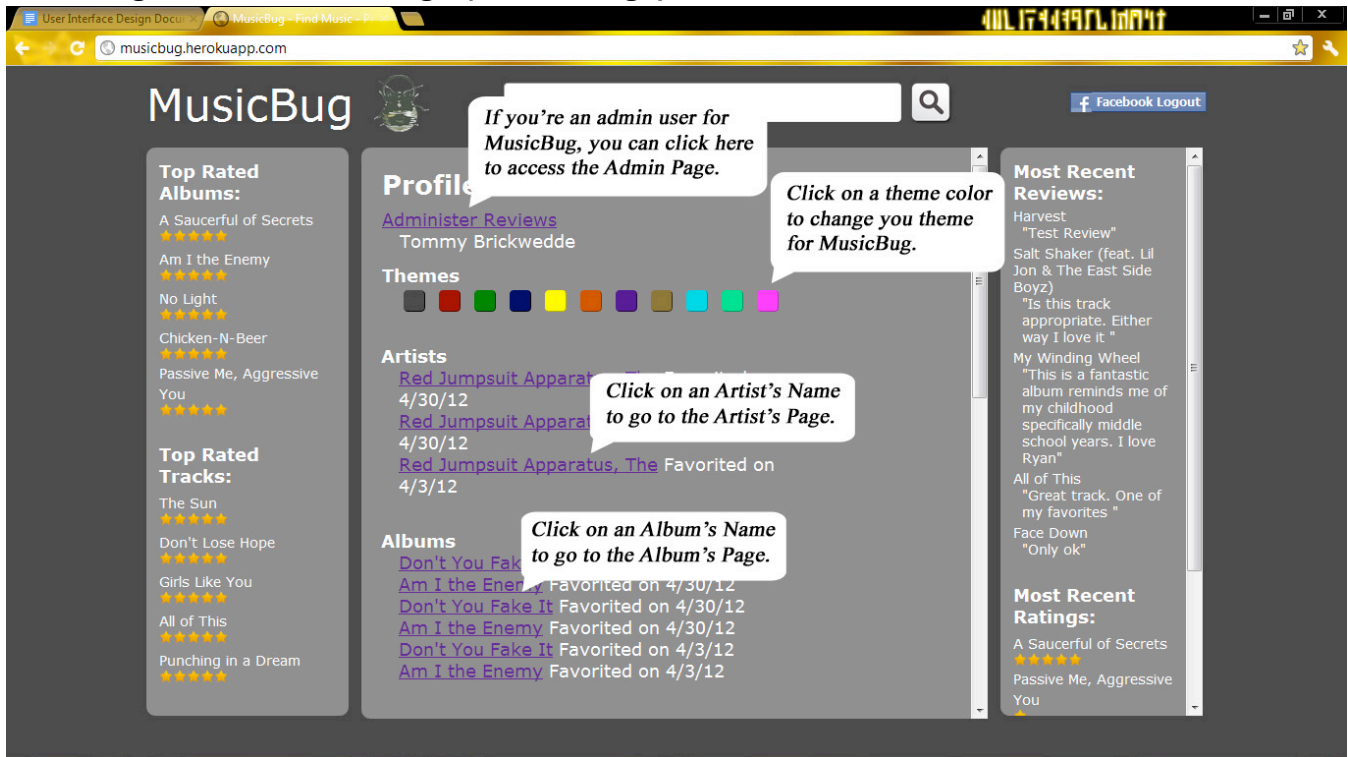


Figure 3.1 - Home Page (Profile Page)

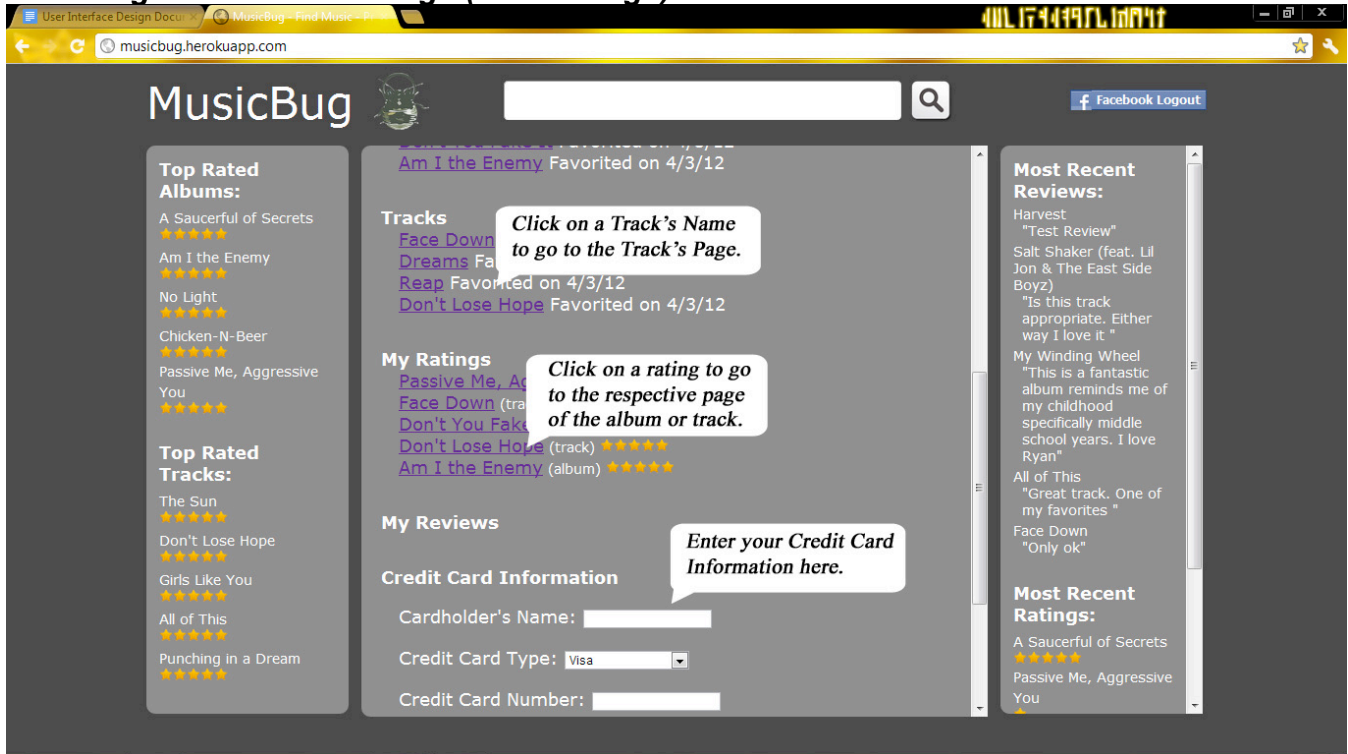


Figure 4.0 - Admin Page

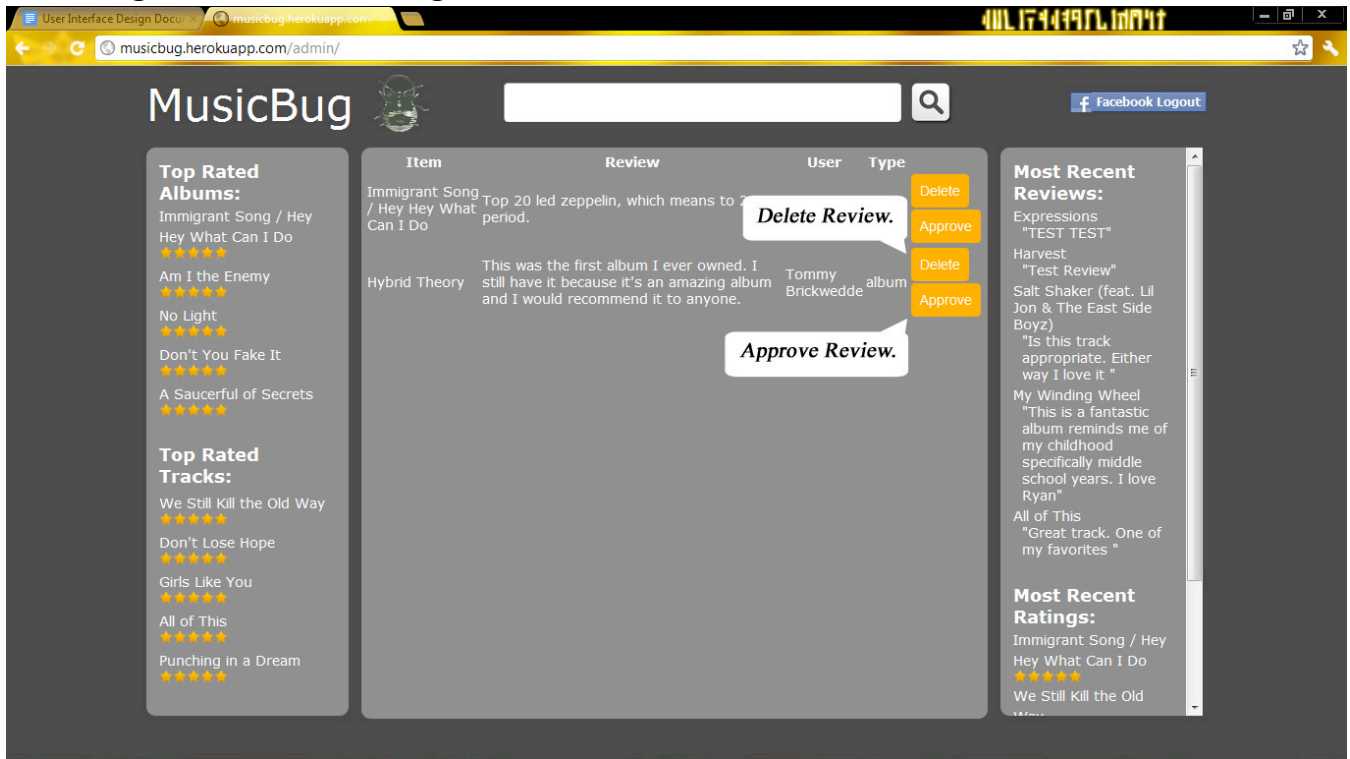


Figure 5.0 - Search Results Page

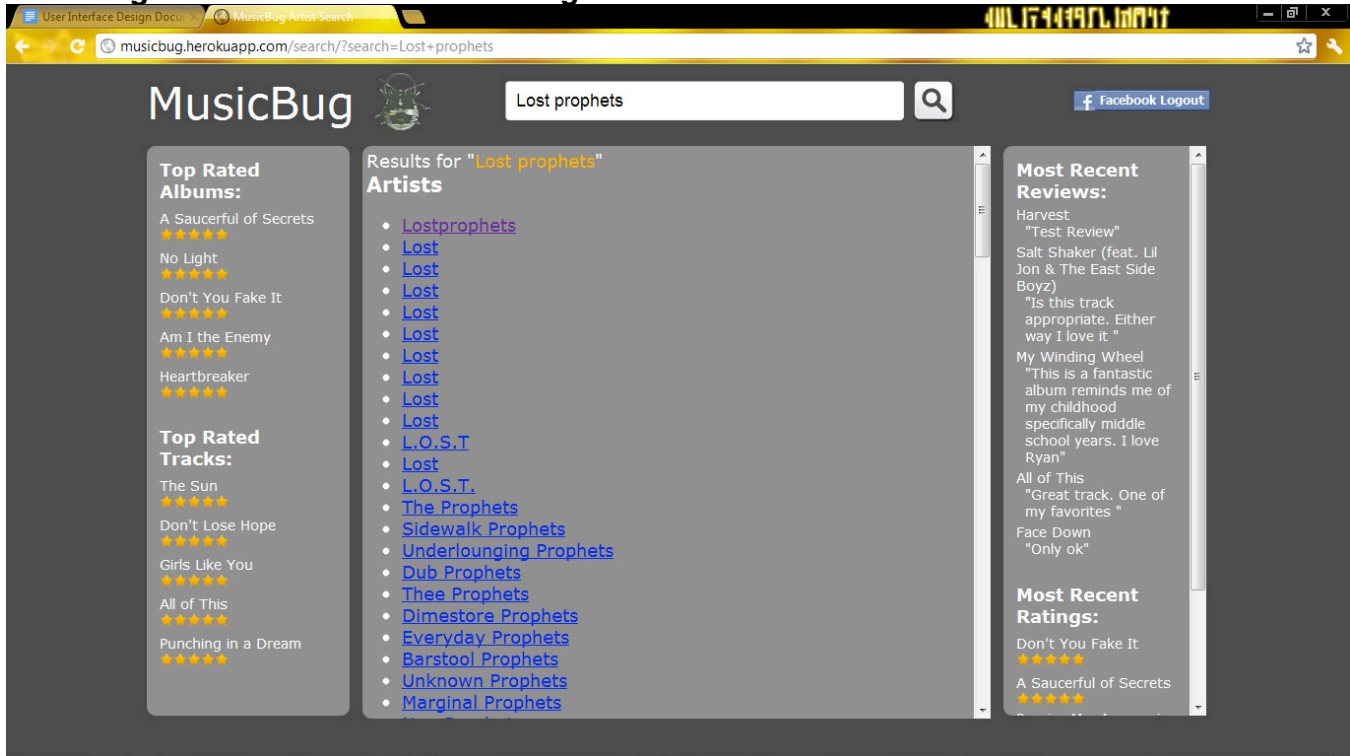


Figure 5.1 - Search Results Page

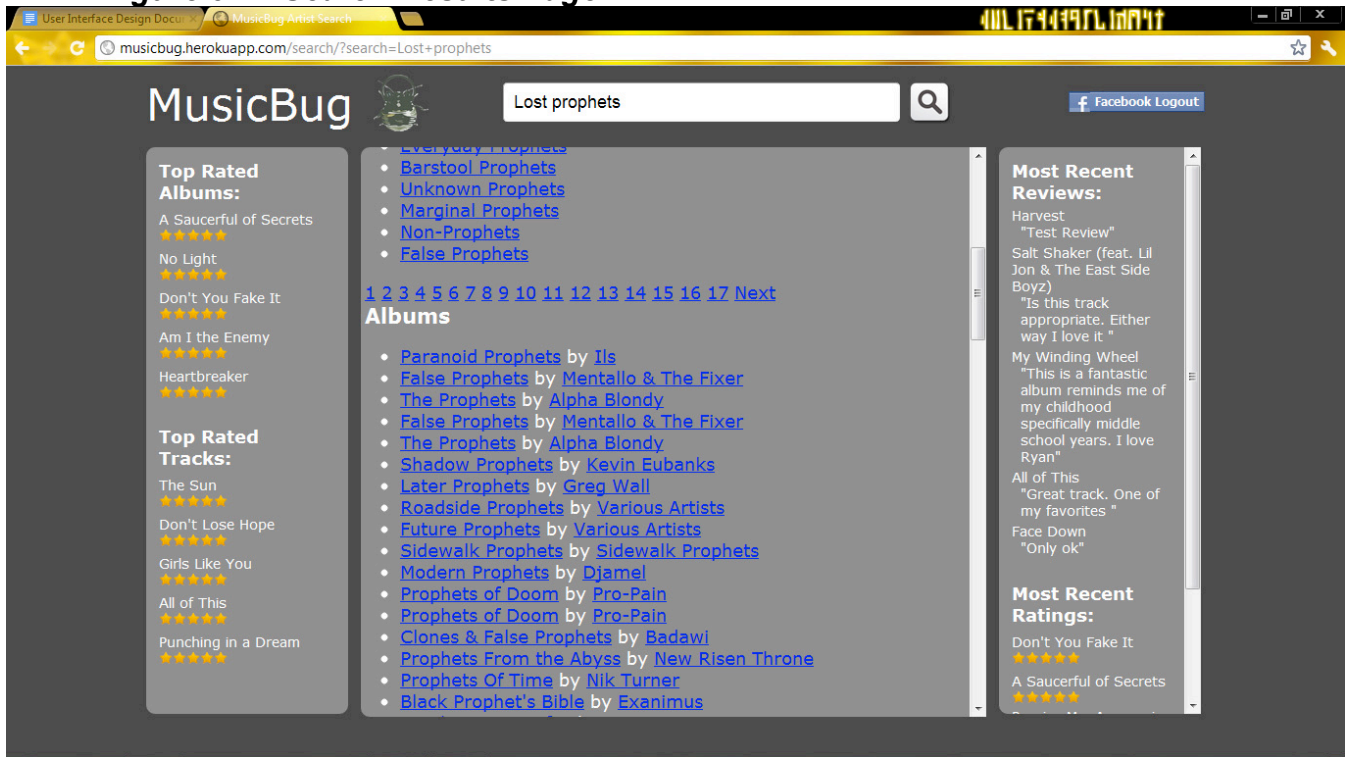


Figure 5.2 - Search Results Page

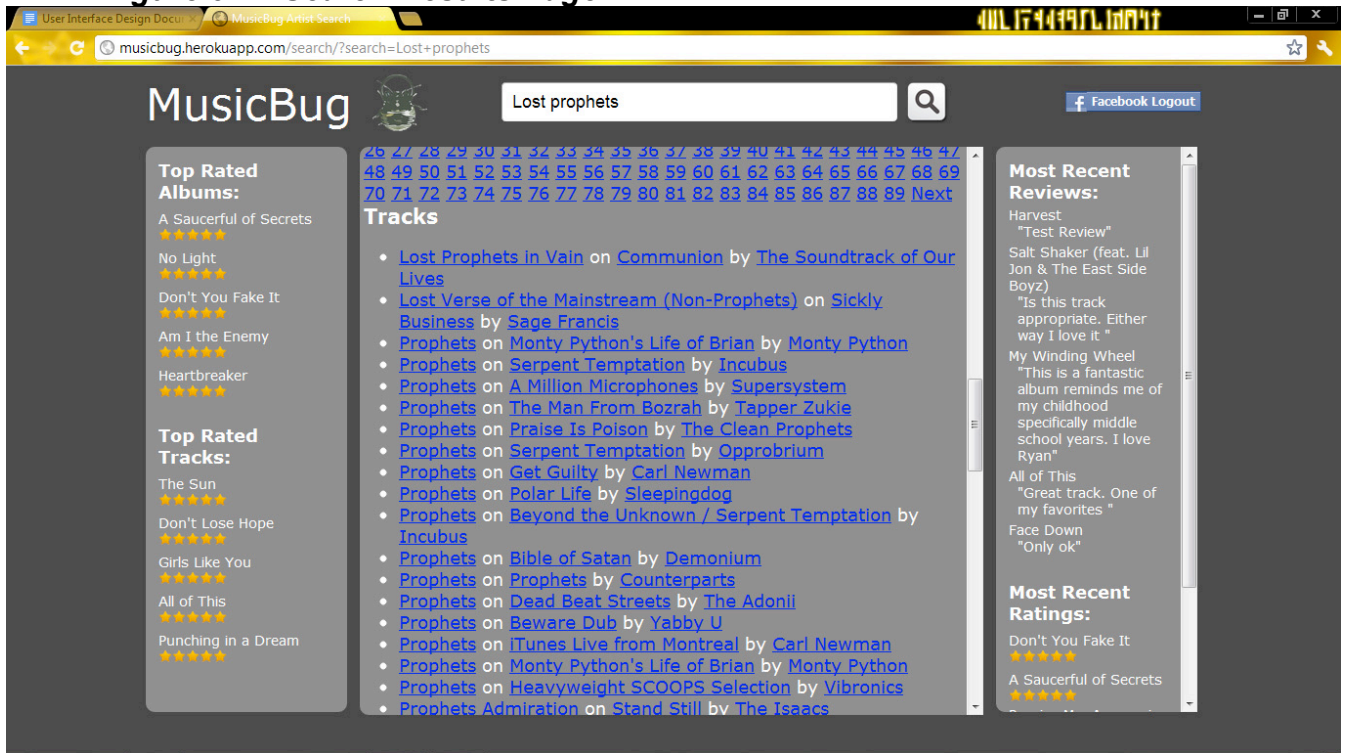


Figure 6.0 - Artist Details Page

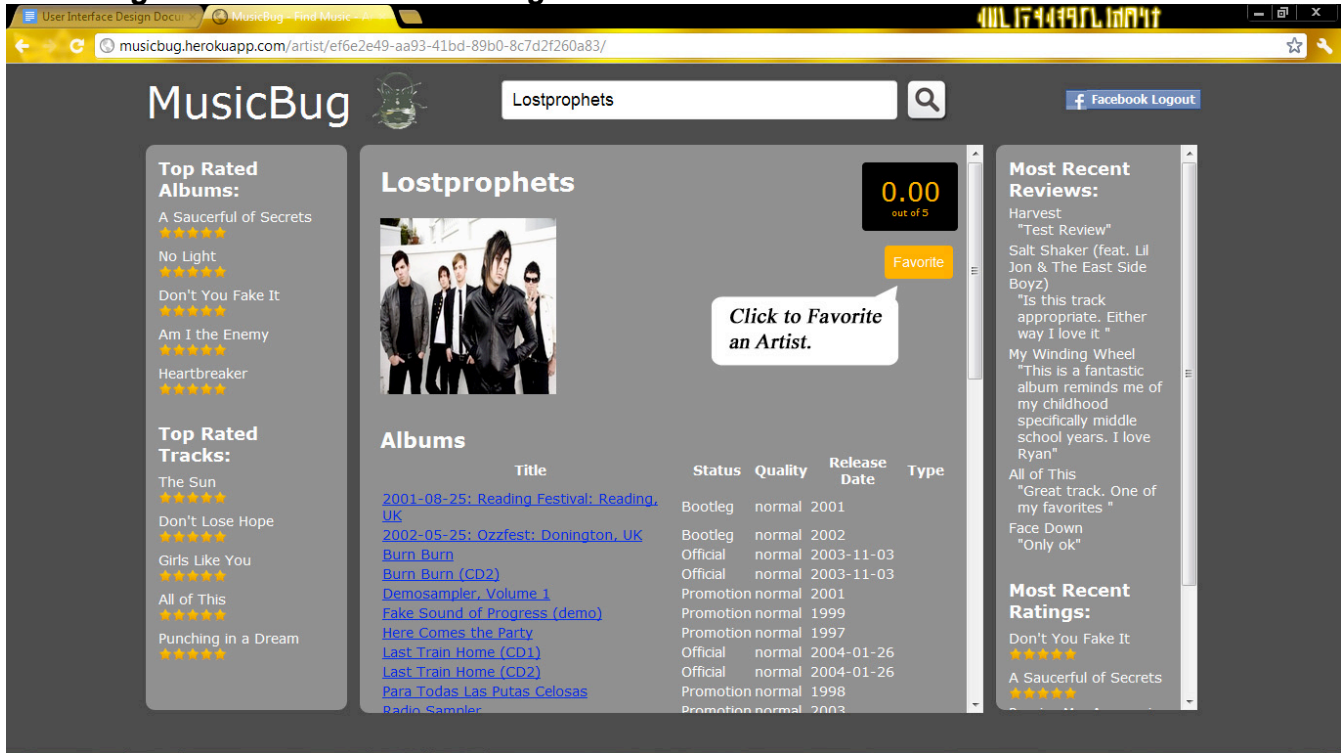


Figure 6.1 - Artist Details Page

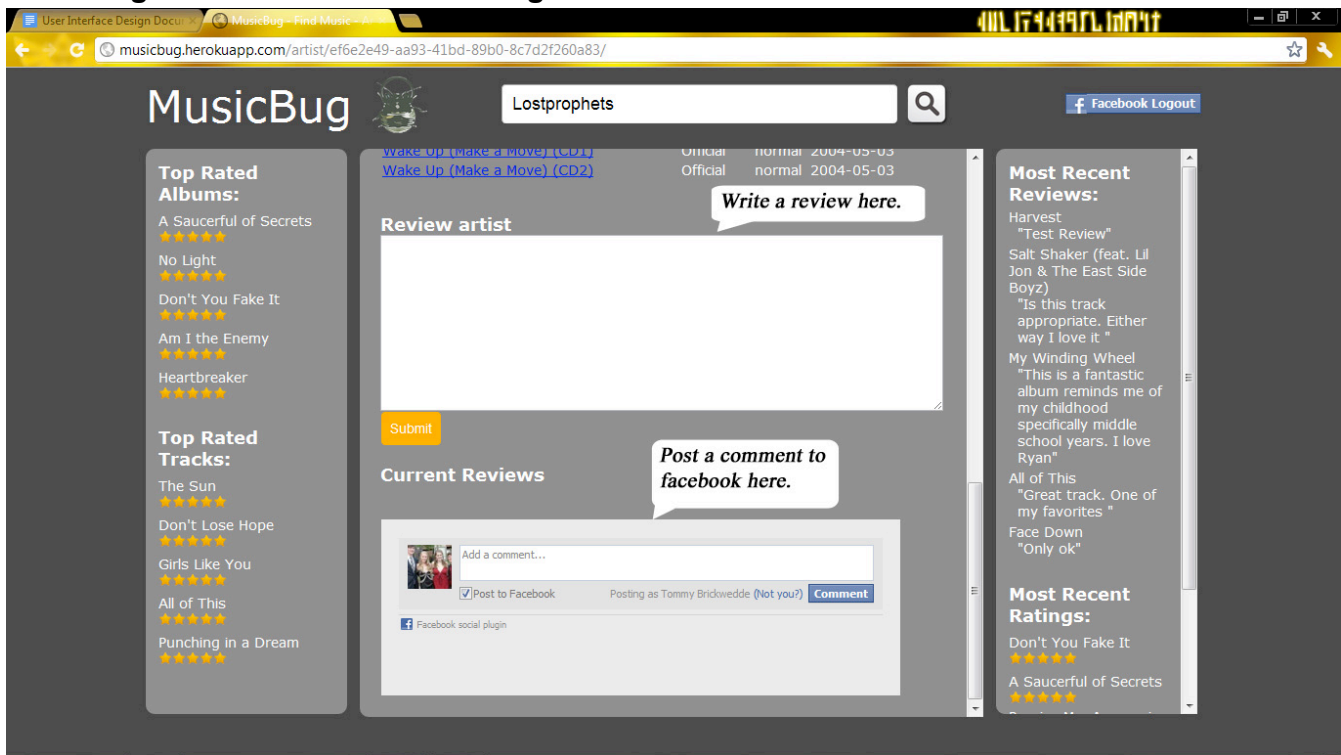


Figure 7.0 - Album Details Page

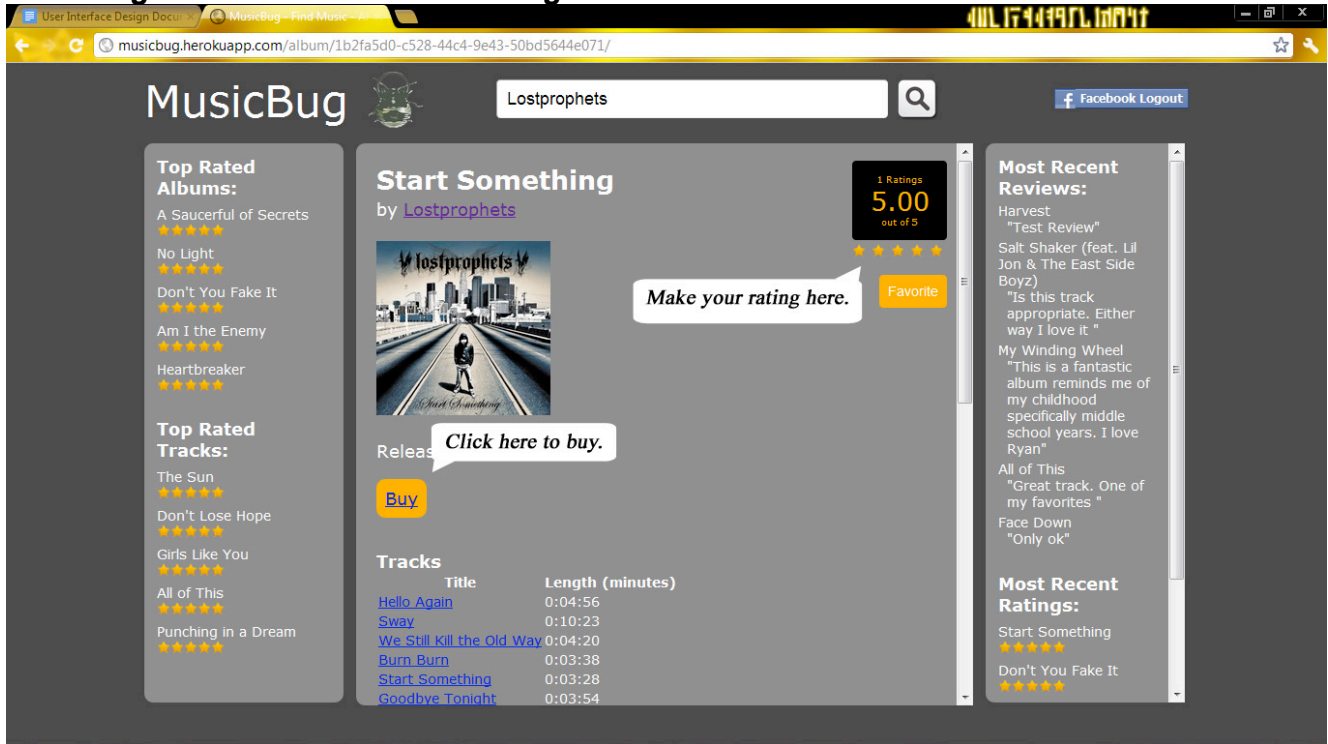


Figure 7.1 - Album Details Page

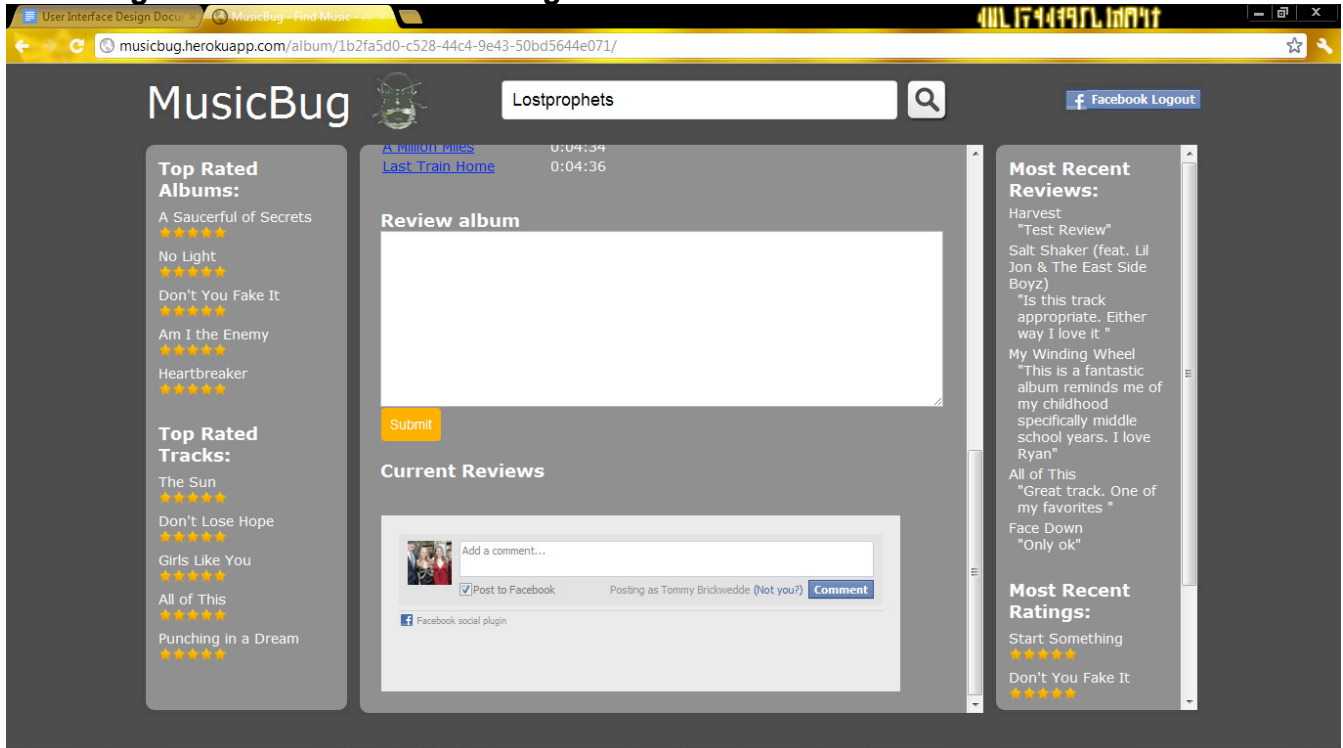


Figure 8.0 - Track Details Page

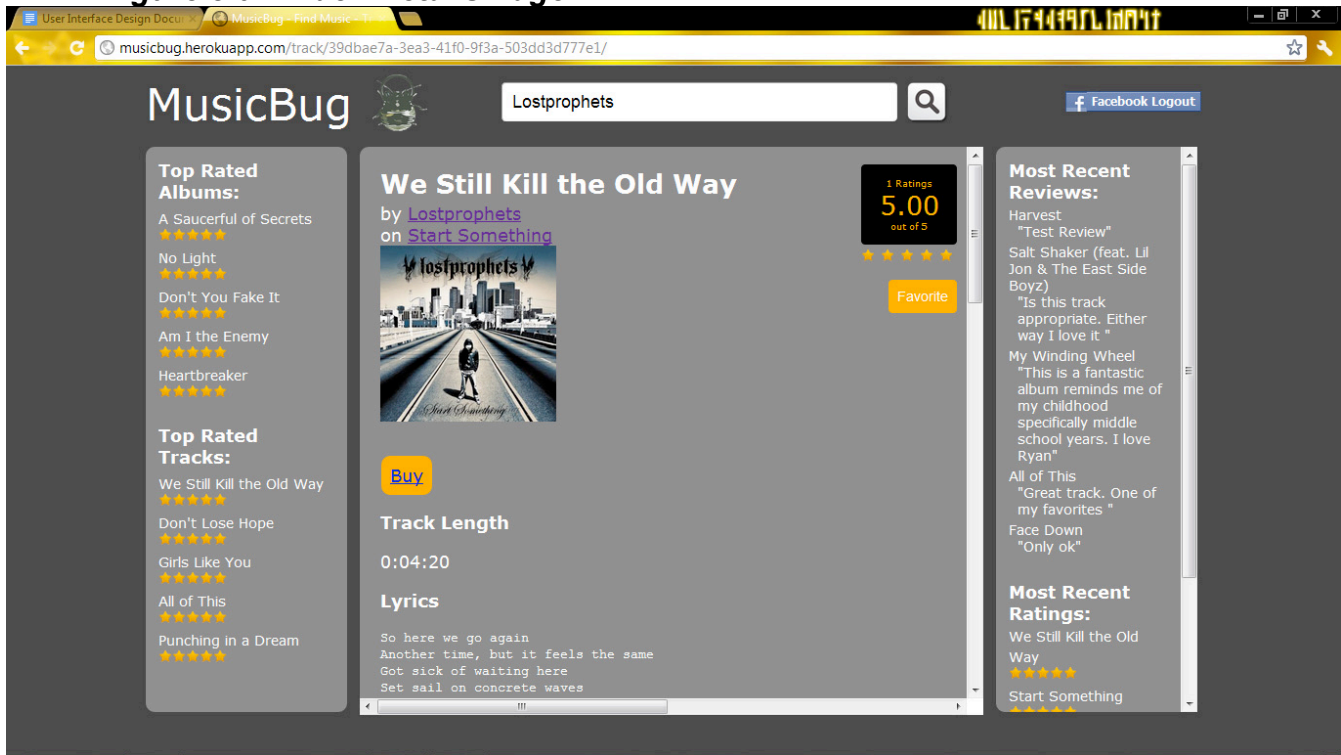


Figure 8.1 - Track Details Page

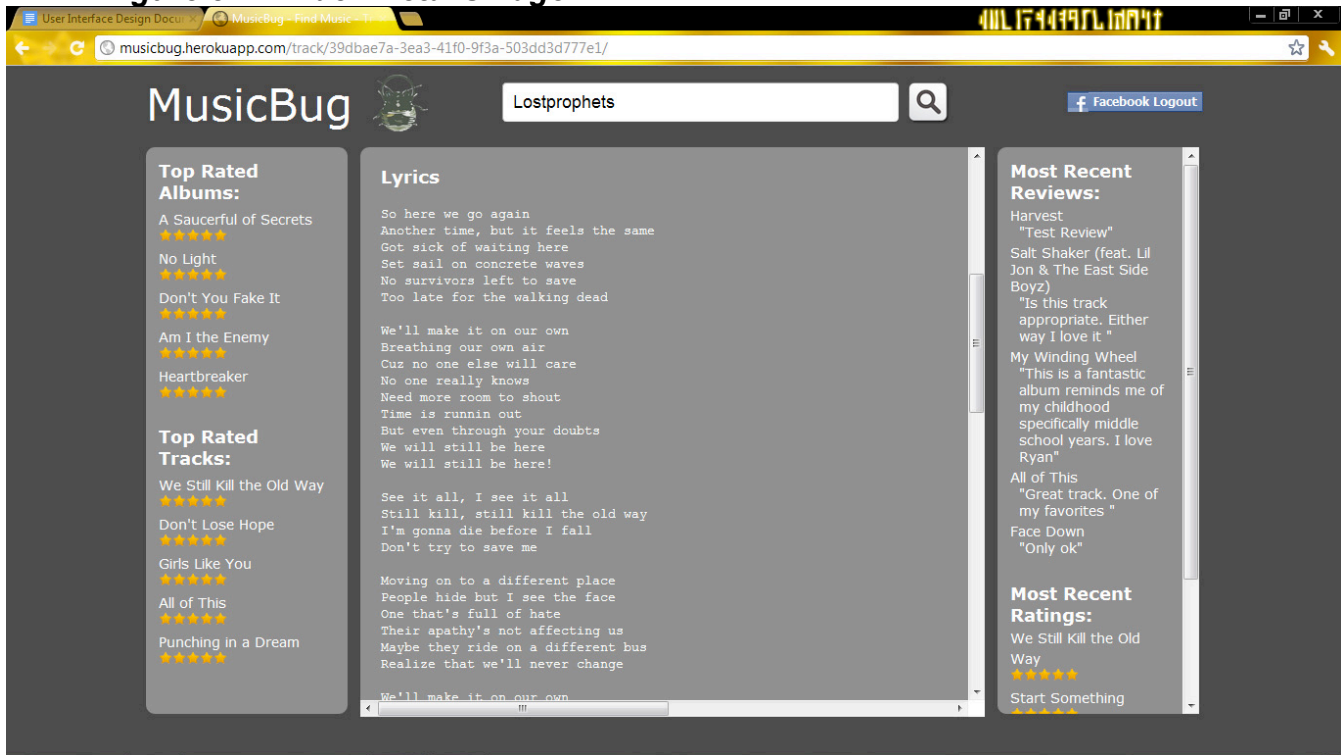


Figure 8.2 - Track Details Page

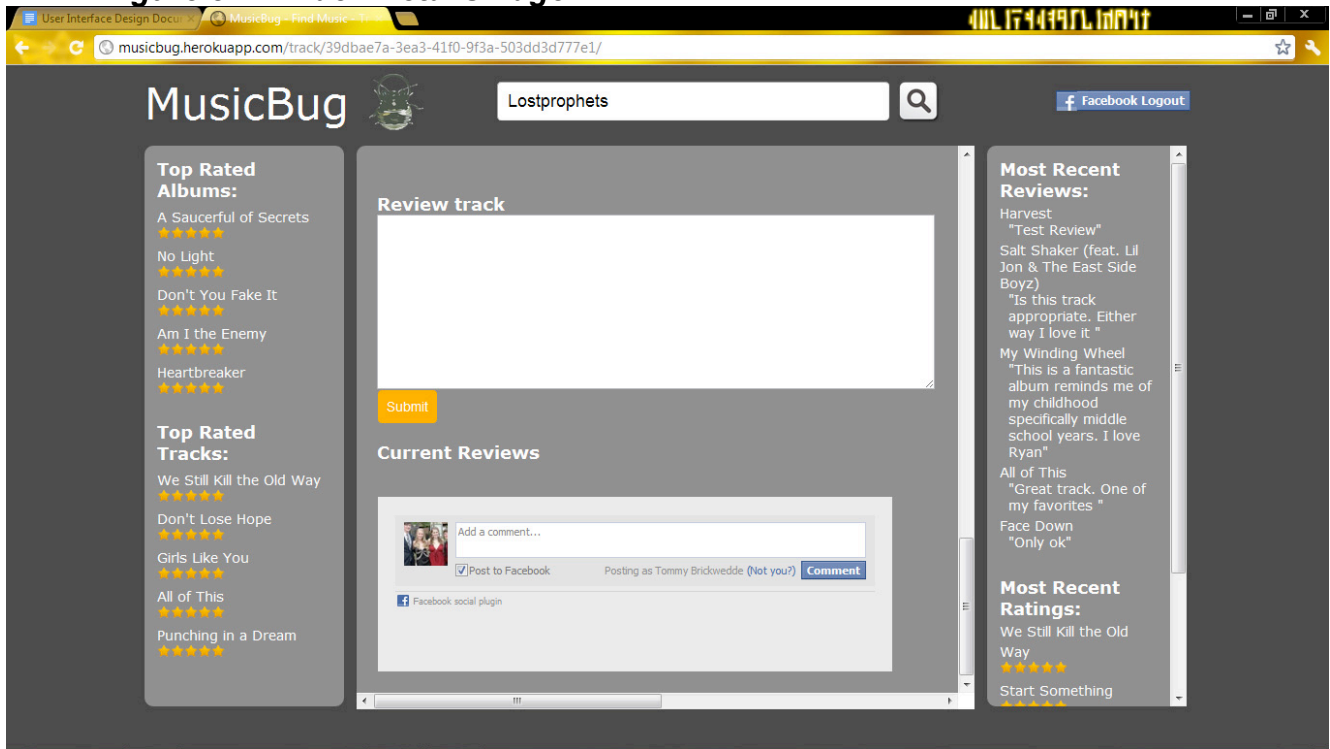


Figure 9.0 - Amazon.com

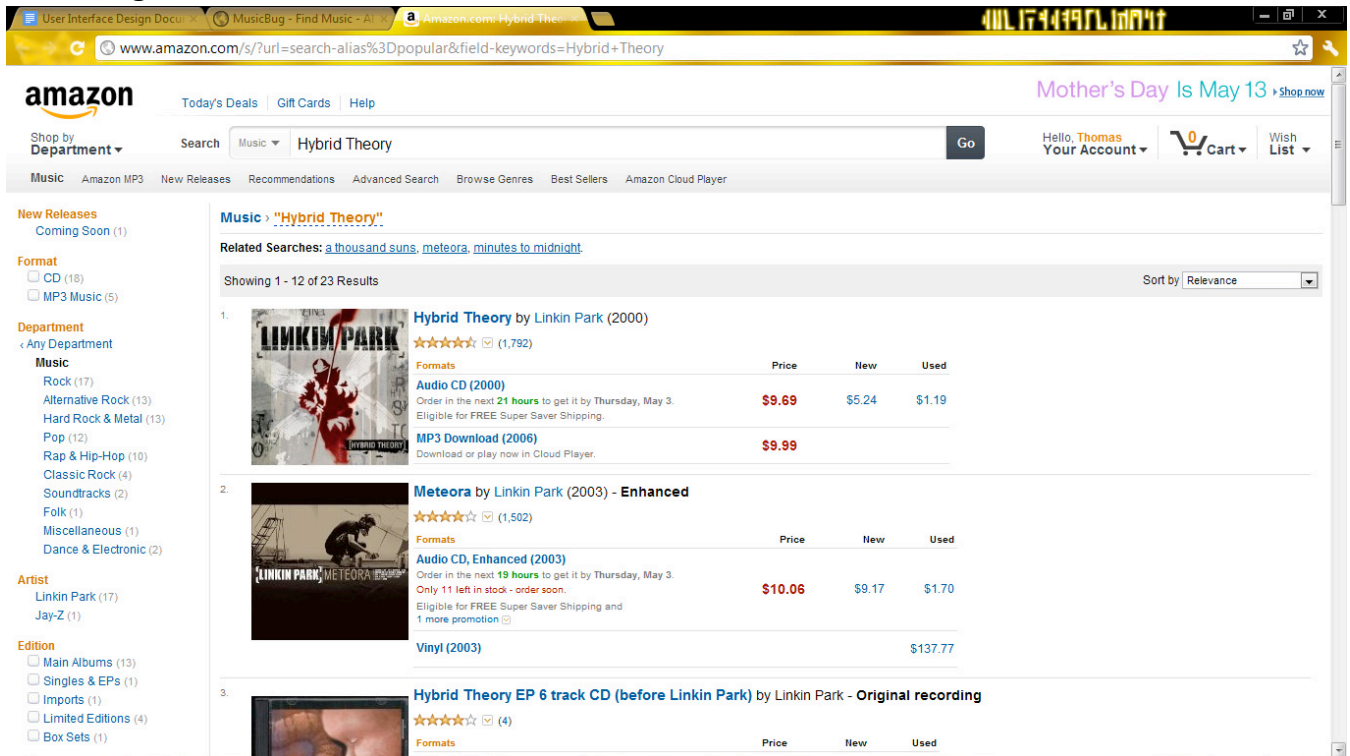
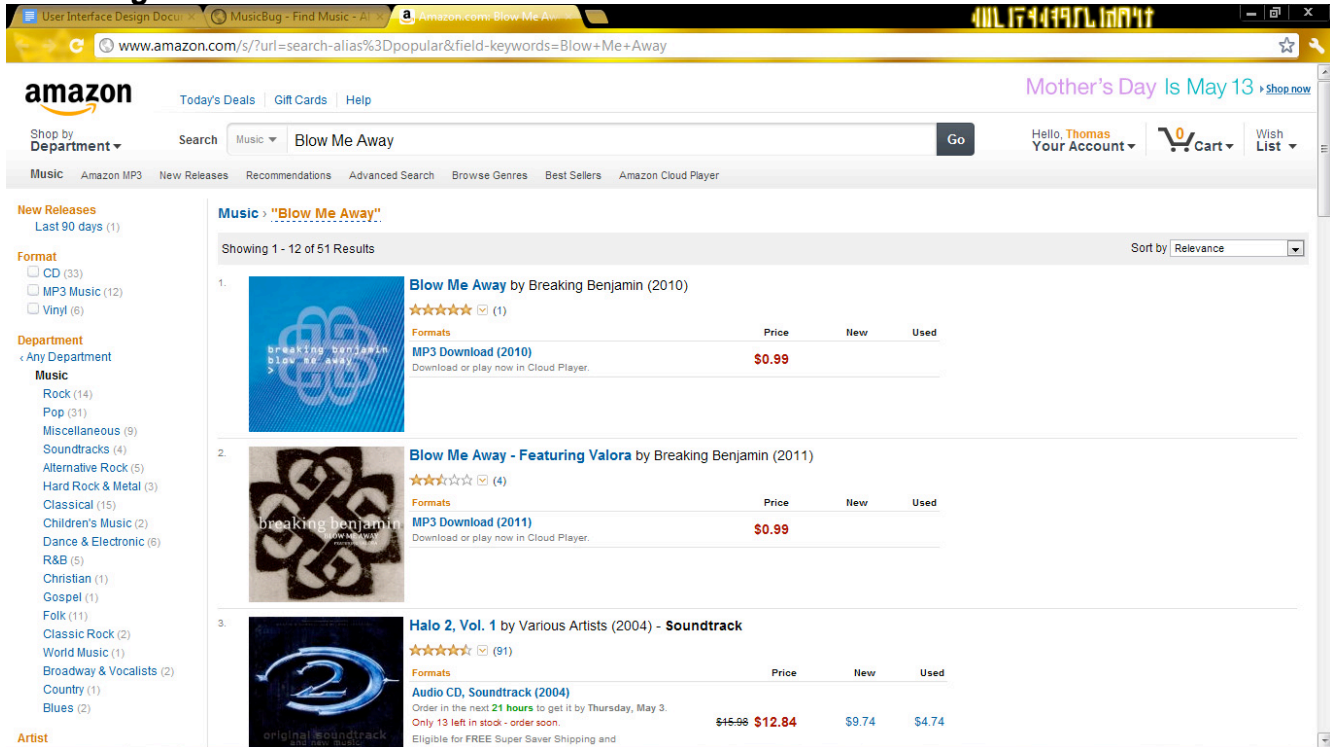


Figure 9.1 - Amazon.com



4. Data Validation

There are multiple data entry points into the MusicBug. They include: searching for artists, albums, and tracks, submitting reviews of albums and tracks, rating albums and tracks, and entering credit card information. Please refer to the table below for further information regarding allowable inputs, their limits, and allowable formats. In addition all text that is entered is escaped for security.

4.1 Data Validation Table

Entry Location	Data Type	Limits
Search string	String	Limited By MusicBrainz API
Rating Tracks and Albums	Integer	Only 1-5 Accepted
Reviewing Tracks and Album	String	Reviews are limited to 500 characters
Credit Card Number	String	Must be 16 characters

Credit Card Type	String	Must be one of the following: Visa, MasterCard, American Express, Discover, Diners Club, or JCB
Credit Card Expiration Month	Integer	Only 1-12 Accepted
Credit Card Expiration Year	Integer	Current year - current Year + 12 accepted
Credit Card Name	String	Less than 200 characters
Security Code	String	Less than 200 characters

5. Appendix A – Agreement Between Customer and Contractor

The customer agrees to a *Music Social Network* system with searching, browsing and detailed meta-data capabilities. See System Requirements Specification for more information. Additional features will be provided in further development spirals.

When and if future changes to this document occur a drafted new document will be created. Both a hard and electric copy of both versions will be presented to the client for review. Upon approval, the draft will be finalized and signed off by both parties.

Client

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Team

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6. Appendix B – Team Review Sign-off

This document has been collaboratively written by all members the team. Additionally, all team members have reviewed this document and agree on both the content and the format. Any disagreements or concerns are addressed in team comments below.

Team

Name _____ Date

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Comments

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Comments

7. Appendix C – Document Contributions

Tommy Brickwedde is the owner of this document. Tommy wrote 90% of the content. Michael Cohen assisted in sitemap diagram creation and completed the data validation section.