

# User Interface Design Document

*MusicBug*

**Client**

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*MusicBug*  
User Interface Design Document

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# 1. Introduction

## 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, highlighting important features to familiarize users with all that MusicBug has to offer.

## 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>

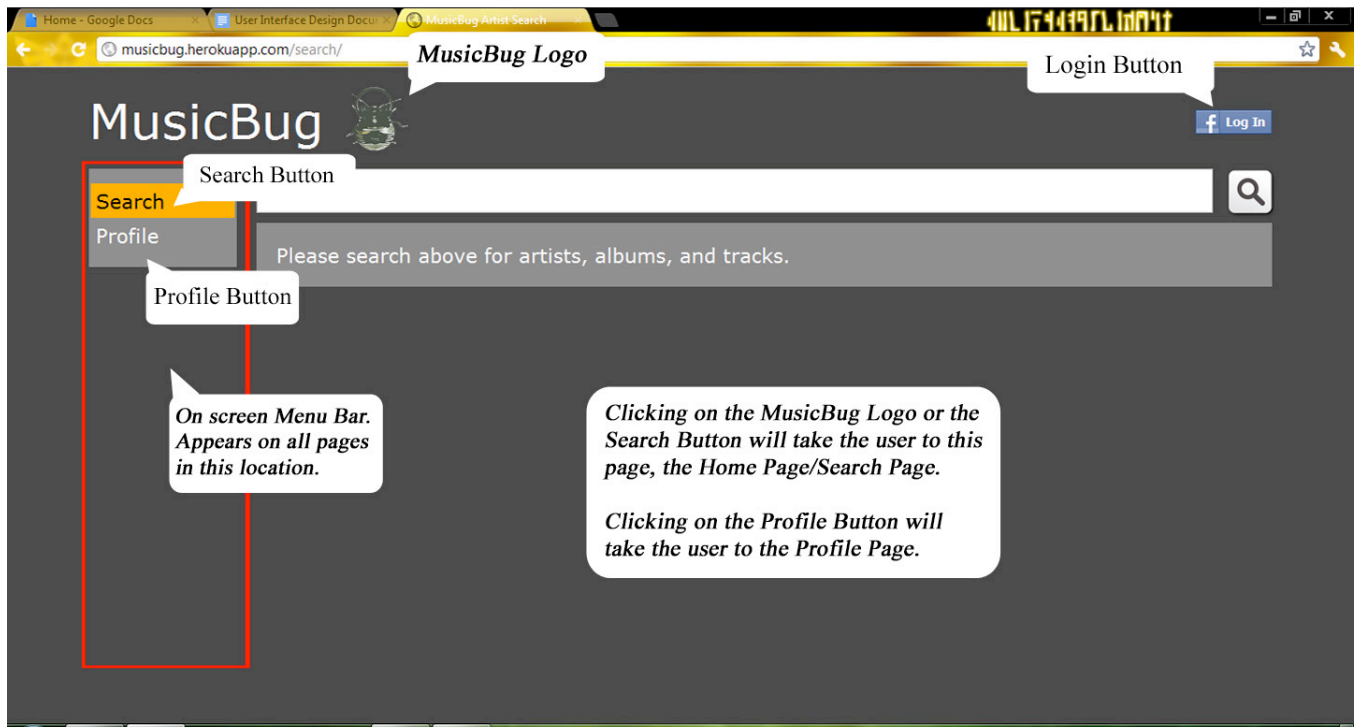
# 2. User Interface Standards

This section contains an overview of the design standards used in the MusicBug web application. As seen in Figure 1.0 below, there are two 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 Menu Bar, which allows navigation through the main sub pages, will always appear on the left side of the web page under the MusicBug Logo.

The Menu Bar contains two buttons users can choose from. First, the Search Button navigates to the Search Page (Figure 2.0). The Search 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 (Figure 2.1). Second, the Profile Button navigates to the Profile Page (Figure 3.0). 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 a track they have favorited to be forwarded to each respective detailed page. When clicking the favorited artist, the user will be transferred to the Artist Details Page (Figure 2.2), where all artist information and albums released by that artist are displayed. Clicking on an album will forward the user to that Albums Details Page (Figure 2.3). The Album Details Page displays the album's name and artist, the release date of the album, a list of tracks on the album, and

the lengths of the tracks. Clicking a specific track will navigate to the Track Details Page (Figure 2.4), displaying track information. The user can click on the artist or album, at any time, to return to the Artist Details Page or Album Details Page. In addition the user can click on either the Search Button or the Favorites Button in the Menu Bar to navigate to the respective pages.

**Figure 1.0**

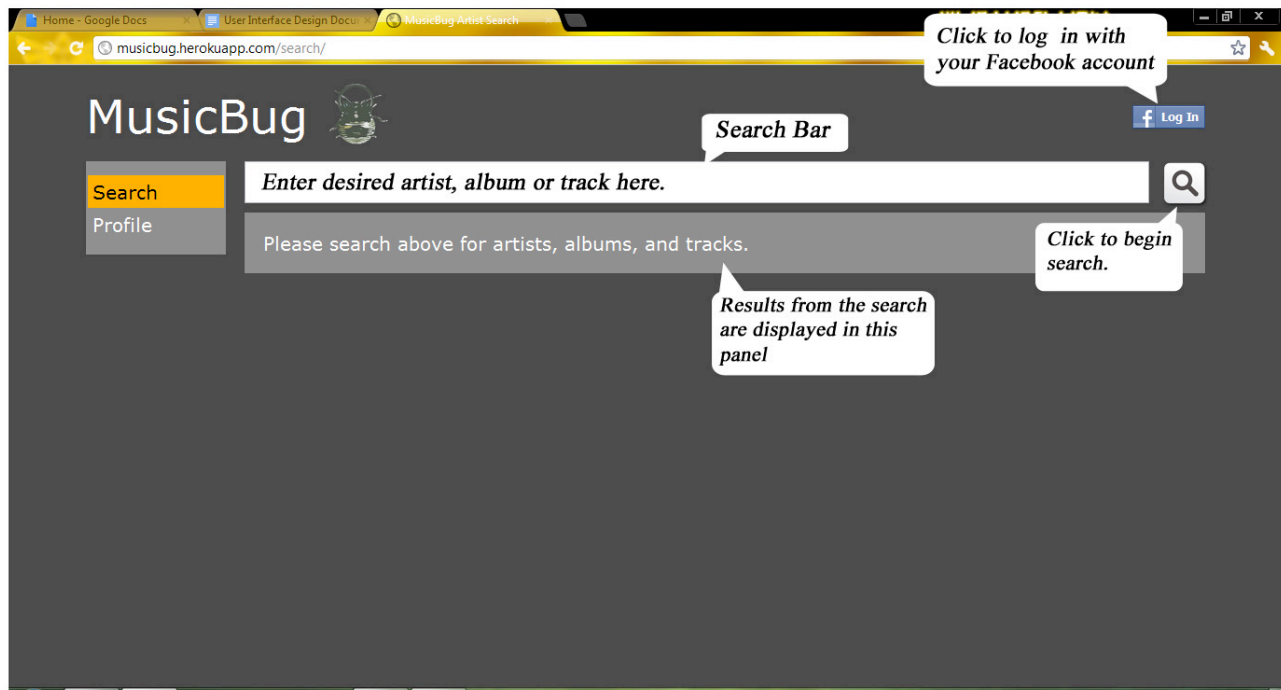




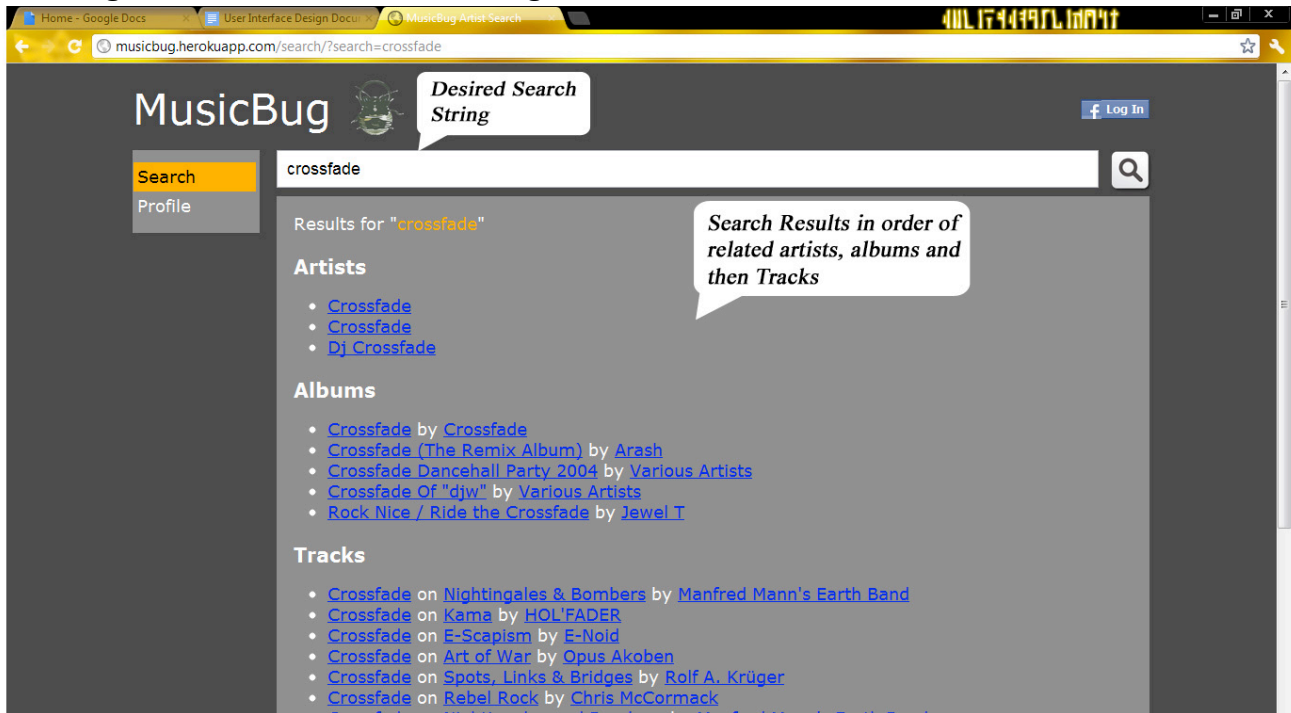
### 3.2.2 Profile

Clicking the Profile Button, from the Menu Bar, will navigate to the User's Profile Page (Figure 3.0). 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 artist, 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. Since the Menu Bar is on every page throughout the MusicBug web application, the user may view the Search Page (Figure 2.0) or their Profile Page (Figure 3.0) at any time simply by clicking on each respective button.

**Figure 2.0 - Search Page**



**Figure 2.1- Search Results Page**



**Figure 2.2 - Artist Details Page**

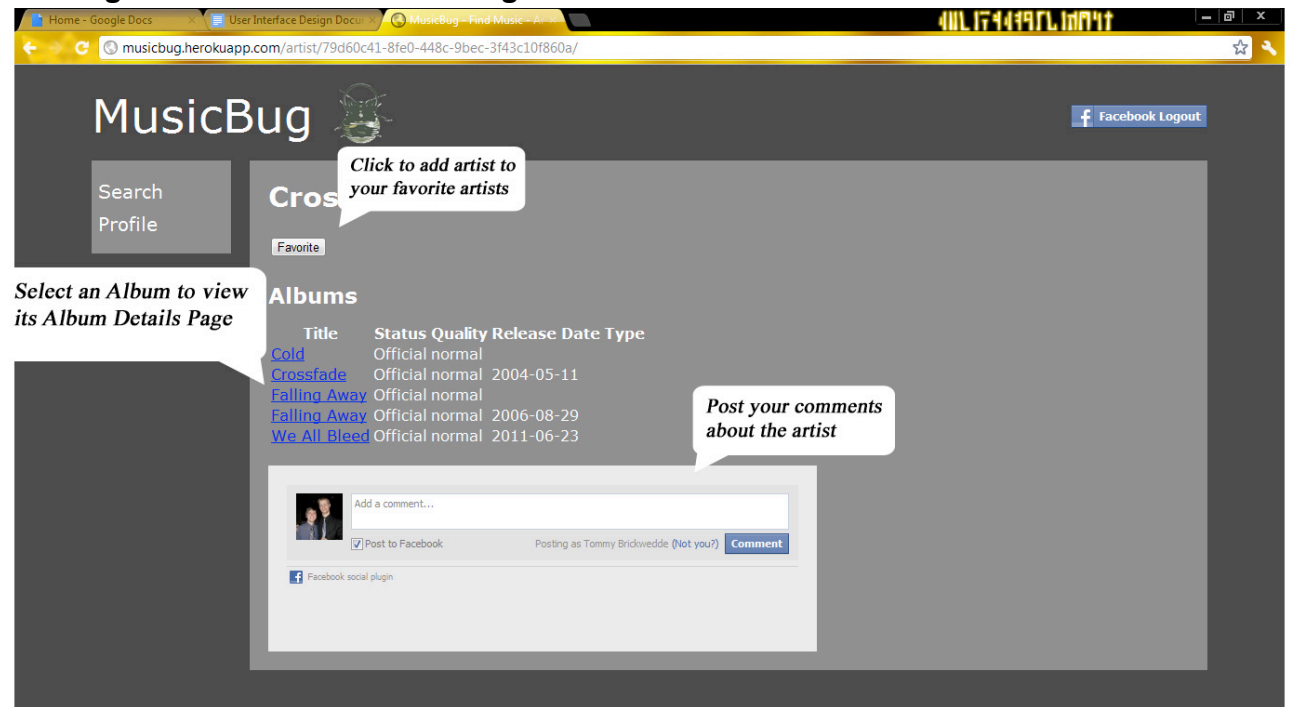


Figure 2.3 - Album Details Page

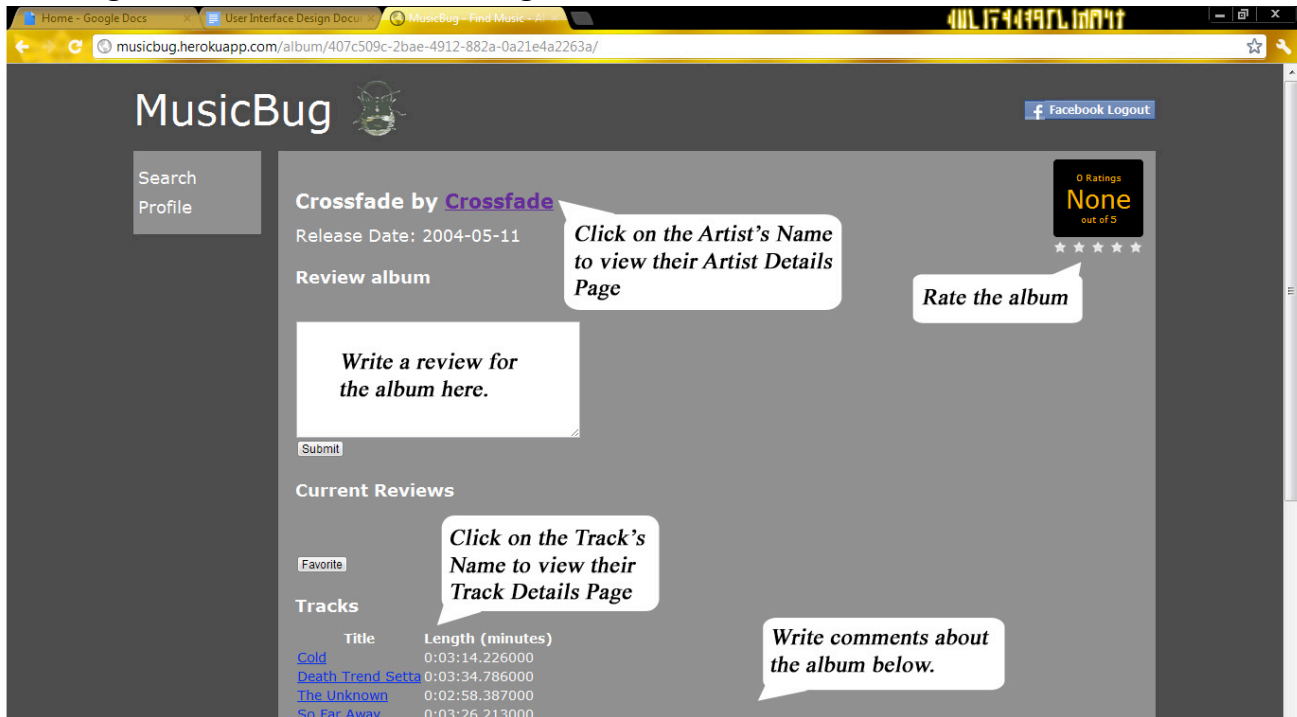
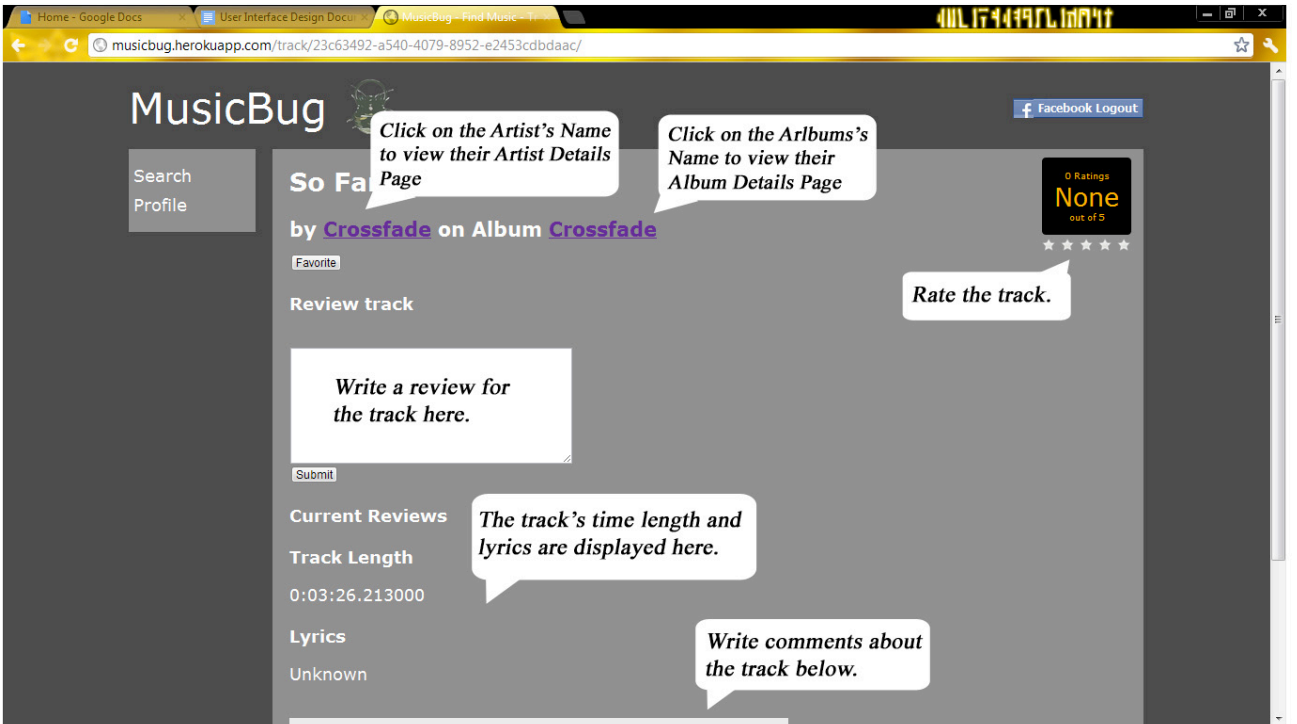
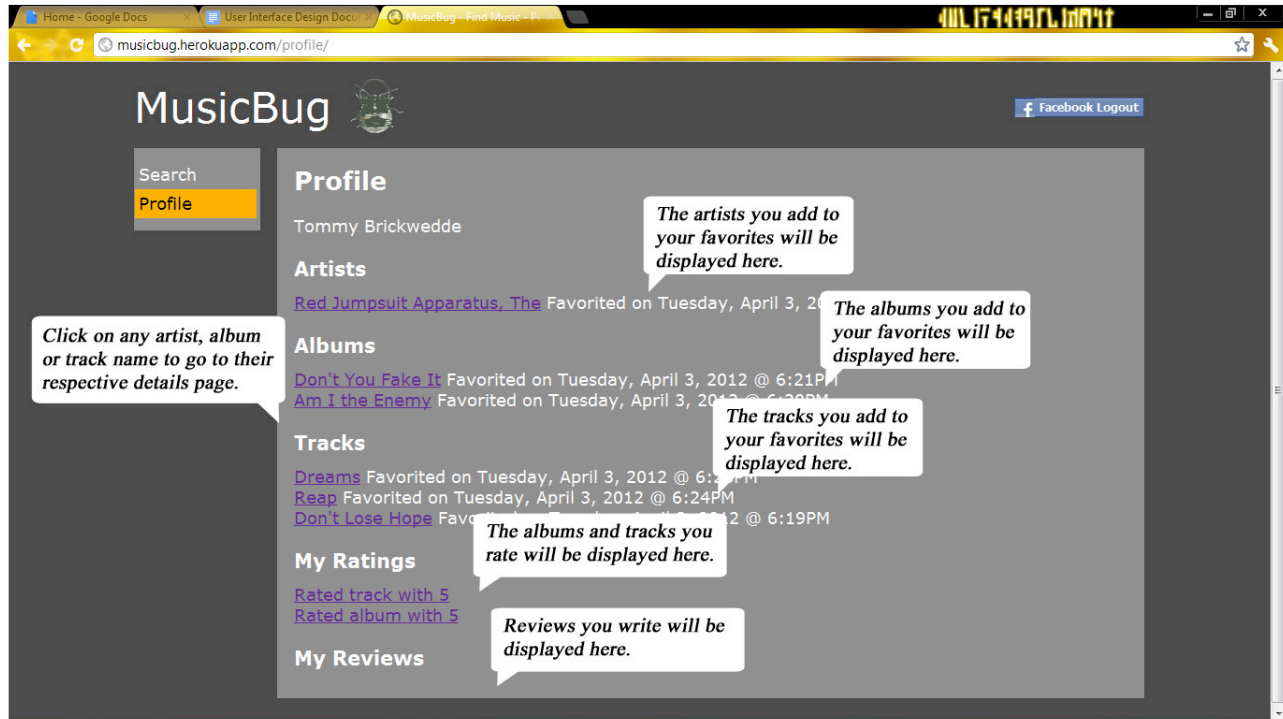


Figure 2.4 - Track Details Page



**Figure 3.0 - Profile Page**



## 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, and rating albums and tracks. 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

## 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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## 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

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## **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.