

Team Number: 014 - 6

Team Name: KNEADT

Team Members:

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Application Name: Music Merge

Application Description:

One big issue with many modern music streaming platforms is the ability to merge two playlists into one. Our application will allow the user to look at their playlist library and select two playlists that they would like to combine. This feature will become even more powerful when it's used collaboratively: our site gives users the ability to merge their own playlists with their friends' playlists. This emphasis on making music new and shareable again is at the core of our application.

The first step is a login page that will allow users to register to the site and link their spotify account. This is crucial because after they have entered their information, we'll be able to access all of their music libraries. Once their personal information is merged, the site will give them the option to share with their friends. They can simply enter the username and password of another person in the database and then choose one of their own playlists and one of their friends' playlists to merge.

Our strategy for increasing novelty is to allow the user the choice for how to generate the merged playlists. They can choose to import only a couple songs from each playlist or they can choose to "enhance" their playlists. This will be done by using the API to generate suggestions of songs that fit the aesthetic of both original playlists. The last step in this process is writing the finalized playlist back to the user's spotify account so that they can stream the music easily.

Vision Statement:

Music Merge : "For our music enthusiasts around the world, our vision is to revolutionize the way people curate and enjoy their playlists and have something of their own that expresses both parties. Our goal is to seamlessly merge their playlists, and have a dynamic and personalized music experience."

Development Methodology:

We will use the Scrum development methodology. We plan to assign a scrum master and communicate daily about the progress of our project (in the form of standup discussions). We

will have a cycle every week where we perform a sprint retrospective and look to the next week for features to prioritize.

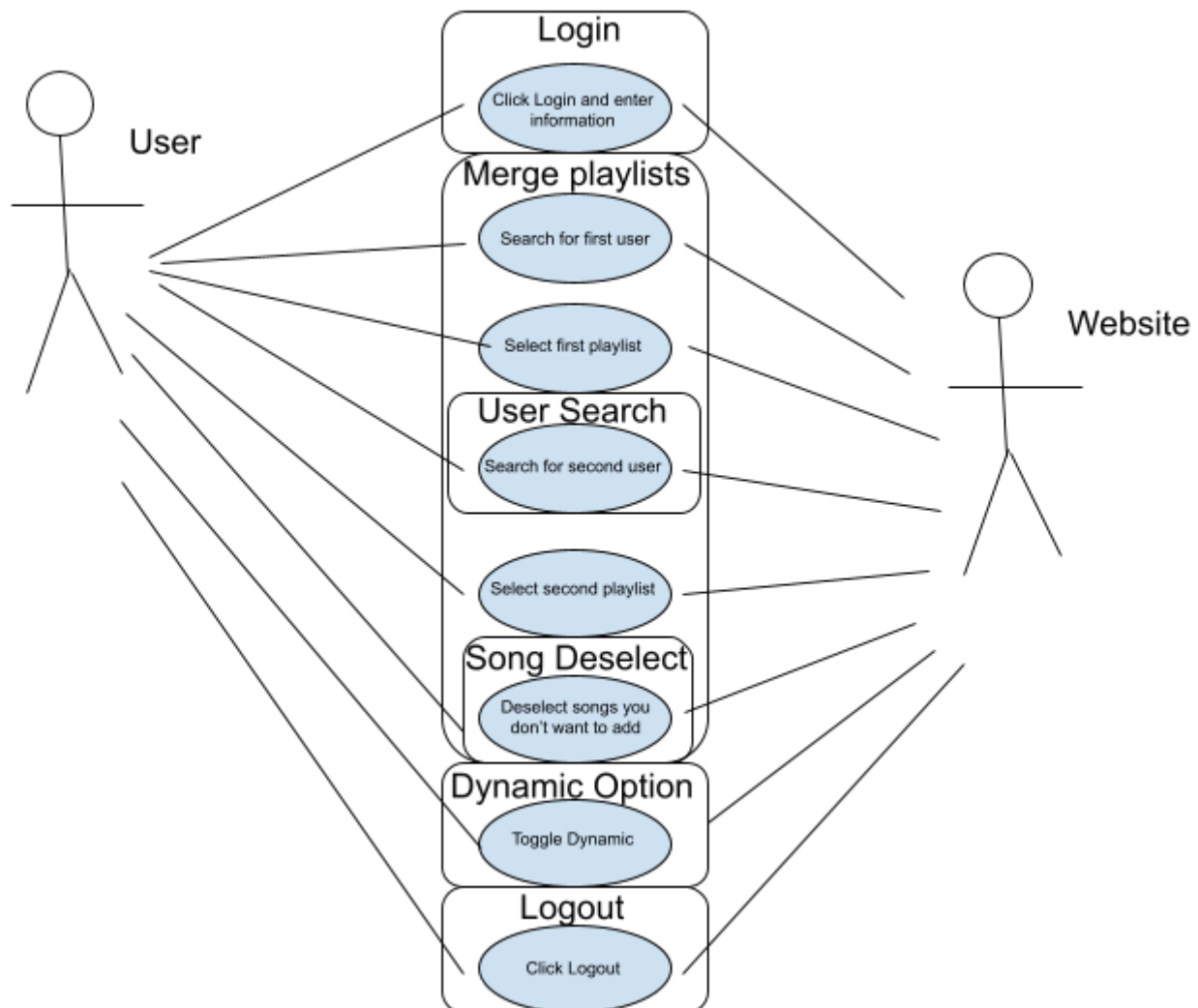
Communication Plan:

We plan on using Apple iMessage for all communication between project members and then zoom meetings or in person discussions for any verbal communication required. For the TA we will be communicating through email and in person meetings.

Meeting Plan:

- **Team Meeting:** Thursdays 8:30 - 9:30 am
- **Weekly Meeting with TA:** 9:30 - 9:45

Use Case Diagram:



Wireframes:

Login Page Wireframe


Home

Login To MusicMerge

Email Address









Password

Register

Link: 

Home Logout

Library

Select		
<input type="checkbox"/>	Playlist 1	
<input checked="" type="checkbox"/>	Playlist 2	
<input type="checkbox"/>	Playlist 3	
<input type="checkbox"/>	Playlist 4	
<input type="checkbox"/>	Playlist 5	
<input type="checkbox"/>	Playlist 6	
<input checked="" type="checkbox"/>	Playlist 7	
<input type="checkbox"/>	Playlist 8	
<input type="checkbox"/>	Playlist 9	