

pThree Milestone 1

Team Name	pThree
Members	Spencer Wegner Chad Brokaw Garrison Lee Sabrina Touch Michael Hering Christoph Uhl
Description	<p>This project will utilize modern streaming music technology to streamline a group's music experience. We have found that at gatherings, there is a lack of mutual music interest, and sometimes people's musical tastes are not adequately represented. Therefore, our goal is to help the host gather a more representative song list.</p> <p>We will be leveraging the technology behind the Spotify API to gather and aggregate song data from different partygoers. Once we have our guests' music, we will determine what are the most mutually popular tracks, and present this data as a playlist to the party host. The host will then be able to say yes or no to different tracks and finalize the playlist. The playlist will then be ready for the party.</p> <p>A consistent problem for anyone is creating a playlist. Now, wherever you go, whether it is a wedding or a road trip, you will be able to have the perfect playlist.</p>
Vision Statement	Create the perfect party playlist
Motivation	An easy way to democratically decide on the music being played at the party. Furthermore, current websites that aim to make communal playlists depend on a voting system, we want ours to be lower maintenance for the people involved; our app will generate a playlist based on whatever lists are submitted and the frequency of the songs; no one will have to focus on it once the revelling begins.
Risks	None of us have much familiarity with developing a web application. We researched the general idea and we think that it's a reasonable scope, but we don't know enough to be sure. We're taking a risk in that we may discover this is a very difficult project or that some aspects are outside of what we know how to do currently.
Risk Mitigation Plan	We have a backup idea that we're fairly sure is a lot easier that we will swap to if we find the spotify plan is too difficult.

Version Control	GitHub
Development Method	We will use the Agile method to keep our project on track. We have about 10 weeks to complete our project. Every one to two weeks we will do a “sprint”, everyone working together to make one aspect of the software workable. We may also divide ourselves into smaller groups to work on specific aspects of the project. If some people decide they want to work more on the front end and others want to work on the back end we will divide and conquer.
Collaboration Tool	Slack, Trello, Google Drive
Proposed Architecture	Front end: HTML, CSS Middle: NodeJS Back-End: PHP, Bootstrap, mySQL