Team pThree

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A Playlist for Everyone.

Our Mission:

pThree is an application designed to enable individuals to create a playlist that will fit any occasion, and that everyone will enjoy. Now, wherever you go, whether it is a wedding or a road trip, you will have the perfect playlist.
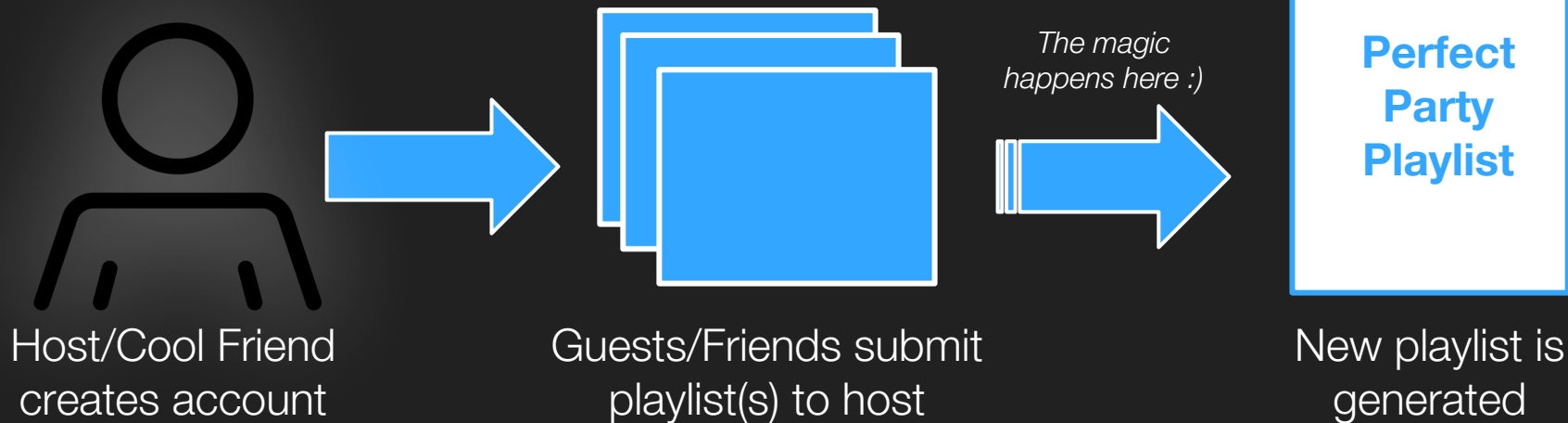
Overview - What is it?

Calling all party-goers, road-trippers, and stay-at-home-and-chillers!

If you need a playlist for more than one or two, you need pThree!

Combine Spotify playlists and create a new one with common tracks

Everyone has a song to look forward to!

The magic happens here :)

Perfect Party Playlist

Host/Cool Friend creates account

Guests/Friends submit playlist(s) to host
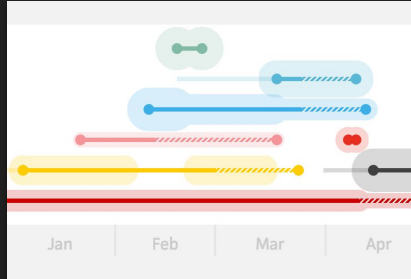
New playlist is generated

Tools

Project Tracker
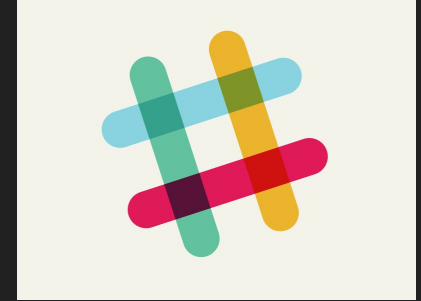
Github Project Board
GANTT Chart

Rating: 3

Communication

Slack

Rating: 5+

VCS Repository

Github

Rating: 5

Database

MySQL

Rating: 5

Tools

Testing Tool

Python/unittest

Rating: 5

Framework

Node JS

Rating: 4

Deployment Environment

Web/Local Machine

Rating: 5

Spotify API

Rating: 2

Overview - How does it work?

Host/Cool Friend creates account

Guests/Friends submit playlist(s) to host

The magic happens here :)

Perfect Party Playlist

New playlist is generated

Store information in database

Host gives guests/friends username

Can log on and create p3 anytime

Get Spotify access token

Call Spotify API

Store playlists' track URIs in database

Gather track URIs from database

Run algorithm to choose appropriate tracks

Call Spotify API to create new playlist on host's account

Methodology

Agile…

2 lengthy sprints: 'log in / create account' and 'Spotify API / algorithm'

Assigned each team member to specific role (i.e. Front-end specialist, Spotify API specialist, middle layer specialist)

Collaborated at meetings and on Slack but majority of work was done individually

Challenges

Building the web app itself (especially the middle layer) → Google

Figuring out how to divide up the work → working together and individually to make very specific items work one at a time

Planning → never figured out how to time the project effectively with the knowledge we had at any given time in the course; most of the heavy lifting was done in the last couple of weeks

Key Lessons Learned

It's not as easy at it seems → keep the scope small

Keep everyone involved and motivated → it's hard to not step on each others' toes

Everyone must be committed to the agile methodology for it to work → our schedules and knowledge prevented us from following the agile approach closely

Persistence is powerful → keep tinkering and playing with things until they work the way you want them to

Demo