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| CI601 – House Party |

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| Alexander wood - 22827042 |

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# Introduction

In this project I aim to create a website that will allow someone to link their Spotify account to a party that they create and then invite people to the party allowing them to search and add songs to the Spotify accounts queue without the need for an app or a Spotify account.

# Research and literature review:

## Spotify API terms of service:

The Spotify API terms of service, I read through the terms of service to determine if my idea for the project would break any of the terms of service which would make the project illegal and unethical to make. The terms of service were very clear and made it very clear on what was possible to be made and what was not allowed to be done while using their API this was done by them breaking down their do and don’ts giving examples of what is not allowed for somethings to make it more clear and easier to understand.

## Spotify Web API documentation:

My next point of research was the API documentation to check to make sure that the project I wanted to do was going to possible. So, I started to by checking to see if the specific functions I needed for my project were present in their API and then followed this by reading through their API to find out how the Spotify login function works and how to handle the user’s authorisation tokens. I found certain parts of the documentation very useful, clear and easy to understand providing a sandbox playground which can be used to experiment with the API requests but there were certain parts of the documentation that required me to do more research outside of the documentation to find out how they work.

# Tools and software being used

## Visual Studio Code (VS Code):

For the coding and development of the project I have decided to use the programming Integrated development environment (IDE) VS Code. I chose to use this IDE as I have experience using it and it also allows for a lot of customization to your preferences allowing me to make it easier for me to use and understand.

## GitHub:

To store a backup of my code and also allow for version control I am using GitHub this allows me to create a repository and upload all my code and files to it storing it securely and also allowing me to create interaction of the code when it comes to adding features or changing features that could cause major issues giving me the opportunity to undo the changes I have done.

## GitHub Projects:

To keep track of the project I decided to use GitHub projects I did this as it keeps both the code and the progress tracker together while also offering the same features as other project progress trackers.

## Brighton Domains:

To Host the system, I have made I decided to use Brighton domains I did this as I already have access to Brighton domains allowing me to straight away start hosting my system including a database, database events, automatic PHP files, and HTML which meets all the requirements I needed.

# Planning

# Development

# References

*Spotify Web API (no date) Web API | Spotify for Developers. Available at:* [*https://developer.spotify.com/documentation/web-api*](https://developer.spotify.com/documentation/web-api) *(Accessed: 20 September 2024).*

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*Apple Music Api (no date) Apple Developer Documentation. Available at:* [*https://developer.apple.com/documentation/applemusicapi*](https://developer.apple.com/documentation/applemusicapi%20) *(Accessed: 10 December 2024).*

*SoundCloud for developers (no date) API - Guide - SoundCloud Developers. Available at:* [*https://developers.soundcloud.com/docs/api/guide*](https://developers.soundcloud.com/docs/api/guide) *(Accessed: 10 December 2024).*

# Appendix

## Appendix 1:

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| Date | Meeting notes |
| 26/09/2024 | * Spoke about project idea * Talked about the legal side of the project * Spoke about what research needs to be done into the terms of service |
| 03/10/2024 | * Updated on legal research * Updated on project progress |
| 10/10/2024 | * Progress update on designing the project * Did ethical form * Updated on project progress |
| 24/10/2024 | * Updated on project progress * Spoke about submitting the Spotify API forms to have the project recognised by them |
| 13/11/2024 | * Spoke about the interim report focusing on what I have in It already and what I could add to it * Updated on project progress |
| 18/02/2025 | * Updated on development of the project * Shown a demonstration of a prototype working * Updated on the status of Spotify Application * Discussed features that could be added or discussed in report * Discussed the report of the dissertation |