

SOFTWARE REQUIREMENTS SPECIFICATION (MeloFi)

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(I) Project Overview

- MeloFi, a platform that lets users explore, play, and manage music across web and mobile.
- Users should be able to discover tracks, build playlists, follow other users, and enjoy a rich audio experience.
- Took inspiration from [spotify](#) and [SoundCloud](#),

(II) Goals and Objectives

- Free and OpenSource.
- Multiple device compatibility (Web and Mobile).
- Music discovery and streaming.
- Playlist creation, music sharing system.
- User friendly UI/UX design.

(III) For Whom?

- Music enjoyers / Listeners.
- Music creators and artists.
- Playlist creators and music community maintainers.

(IV) Features to Expect

- User authentication
- Seamless music discovery and streaming
- Personal playlist creation

(V) Tech Stack

- Frontend - React, Kotlin
- Backend - Flask
- Authentication - Password hashing sytem (Bcrypt)
- Design/Prototyping - Figma
- Version Control - GitHub

(VI) Conclusion

- This SRS is a comprehensive document detailing the software's system requirements.
- It clearly defines what the app will do, who will use it, and what features it includes.
- This document provides a shared understanding among developers, designers, and stakeholders.