AICTE EY GDS Internship

Full Stack Project with Django Framawork

Week 1 – Weekly Progress Report

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Project Title – P1 Music App Using Django Framework

Project Aim –

The primary aim of the "P1 Music App" is to create a web-based application that allows users to listen to music, create playlists, and share music with friends. The app will be built using the Django framework, which is a high-level Python web framework known for its rapid development capabilities and clean, pragmatic design

Project Requirements –

Server and Hosting

- Set up a server to host the application.
- Choose an appropriate hosting service (AWS).

Database:

- Design and create a database to store user information, music metadata, and playlists.
- Consider using a relational database management system (SQL Database).

Web Interface:

- Develop a responsive web interface using HTML, CSS, Bootstrap and JavaScript • Easy to use and operate

Technology Used -

1. **Software–** HTML, CSS, JS, Bootstrap, Python, Django, SQL

2. **Hardware –** Computer/Laptop

Module Description –

The P1 Music App is a dynamic web application built using the Django framework, incorporating HTML, CSS, and JavaScript for frontend development. Bootstrap is utilized to ensure a responsive and visually appealing user interface across devices. Cloud SQL is employed as the database solution, providing scalability, reliability, and seamless integration with the application. Users can register, log in, and securely authenticate their identity, accessing a comprehensive music catalog featuring various genres, artists, and albums. They can create and manage personalized playlists, stream music tracks, and interact with the community by liking, commenting, and sharing their favorite songs. The app's admin dashboard allows administrators to efficiently manage users, music content, and other aspects of the application, providing a seamless and engaging music discovery and listening experience.