NEXT GEN EMPLOYABILITY PROGRAM

Creating a future-ready workforce

Team Members

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College Name

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CAPSTONE PROJECT SHOWCASE

Project Title

Music app using Django-Mohan(4038)_LICET

Abstract | Problem Statement | Project Overview | Proposed Solution | Technology Used | Modelling & Results | Conclusion

Abstract

In today's digital age, music consumption has largely shifted towards online platforms, making the development of efficient music applications crucial. This project focuses on creating a music app using Django, a high-level Python web framework. The application aims to provide users with a seamless music listening experience, allowing them to discover, stream, and organize their favorite tracks.

Source :

Problem Statement

Existing music applications often lack customization options and struggle with performance issues. Moreover, some users may face difficulties in discovering new music tailored to their preferences. This project addresses these issues by developing a music app that prioritizes user experience, performance, and personalized recommendations.

Source :

Project Overview

The project entails the development of a music application using Django, which will include features such as user authentication, playlist creation, song recommendation algorithms, and a user-friendly interface for seamless navigation. The app will leverage Django's robust capabilities to ensure scalability, security, and efficient data management.

Source :

Proposed Solution

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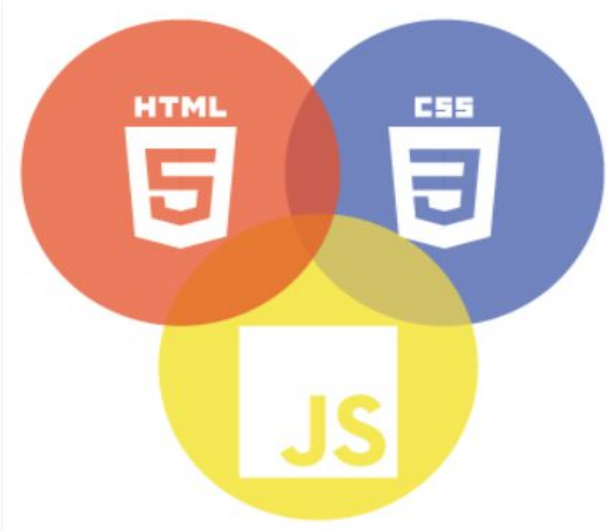
The proposed solution involves implementing various modules within the Django framework to handle different aspects of the music application. This includes user authentication using Django's built-in authentication system, integrating third-party APIs for music recommendations, and designing intuitive user interfaces for enhanced user experience.

Source :

Technology Used

Front-end



Back-end

Source :

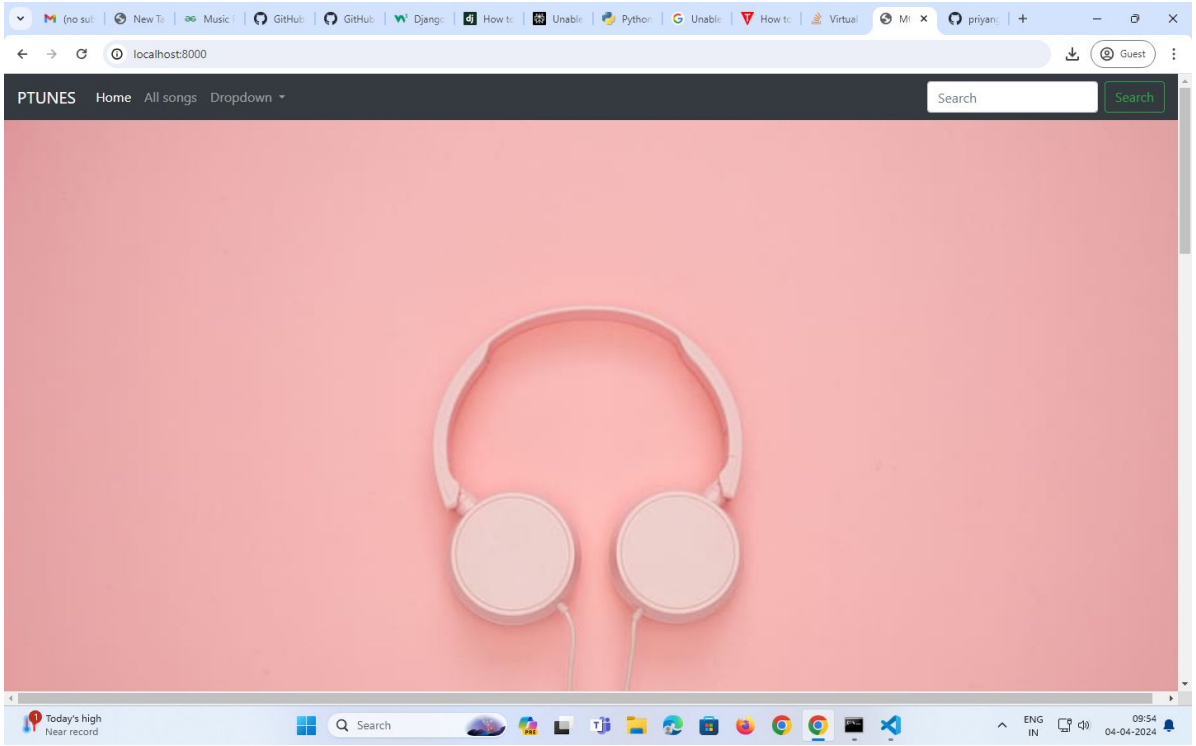
Modelling & Results

The development process involves creating data models to represent users, songs, playlists, and other entities within the application. Additionally, algorithms for personalized music recommendations will be implemented and tested for accuracy and effectiveness. The results will be evaluated based on performance metrics, user feedback, and overall satisfaction.

Source :

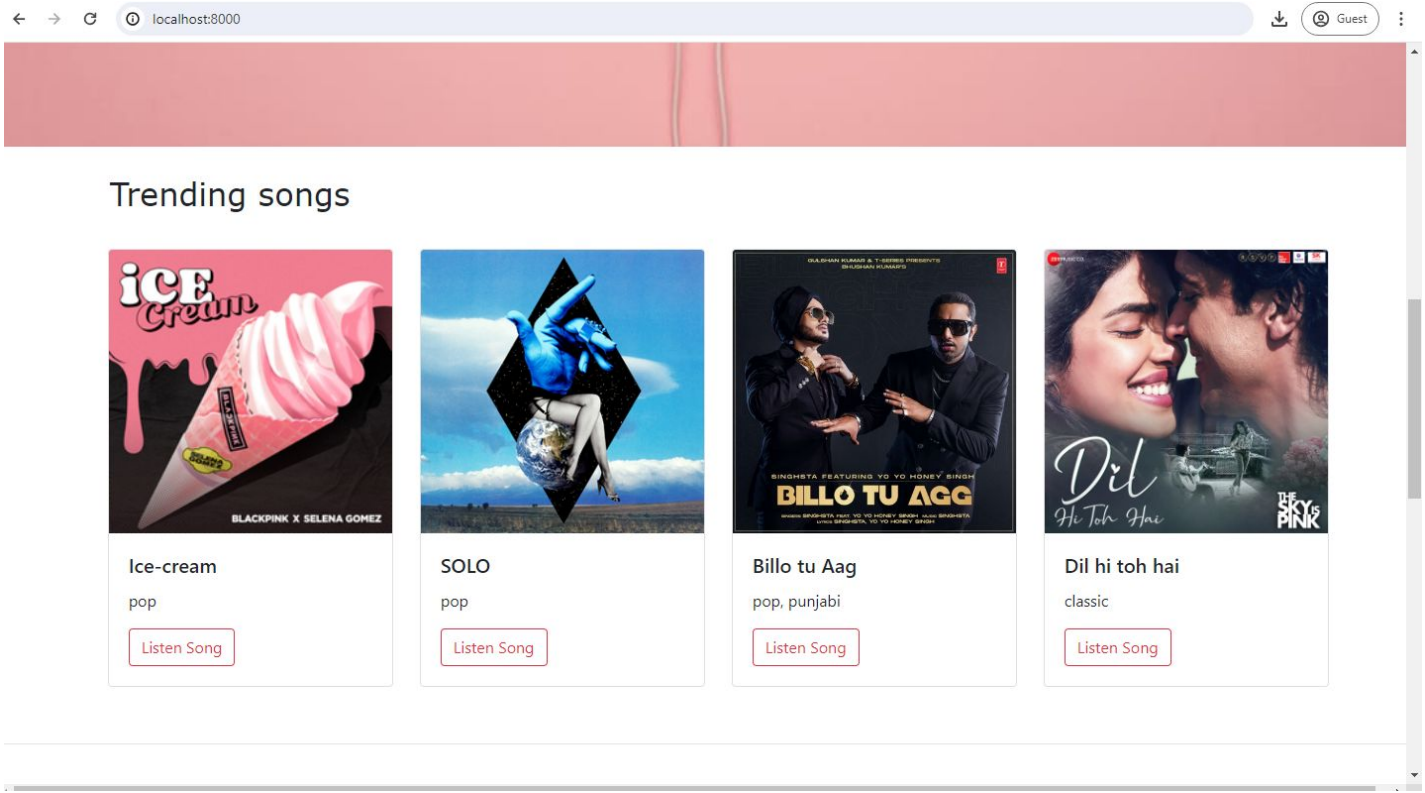
edunet foundation

Homepage



edunet foundation

About-Us-Page(Trending Page)



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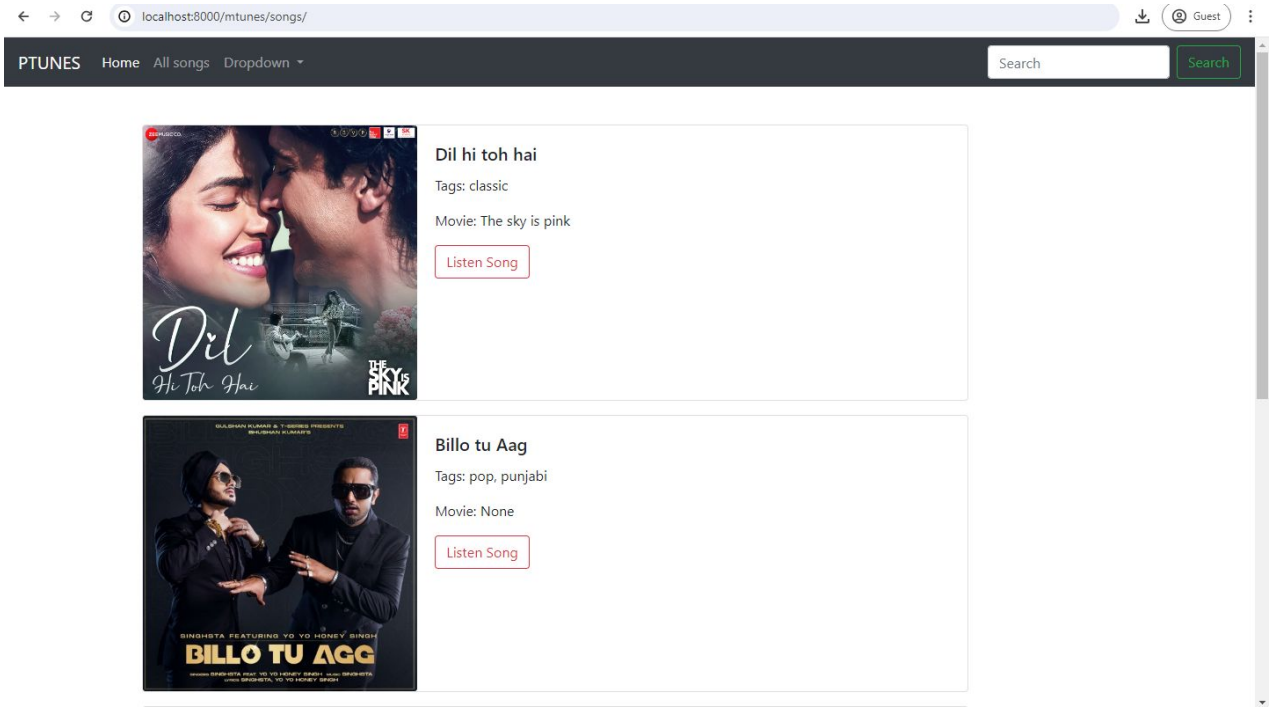
Service-Page



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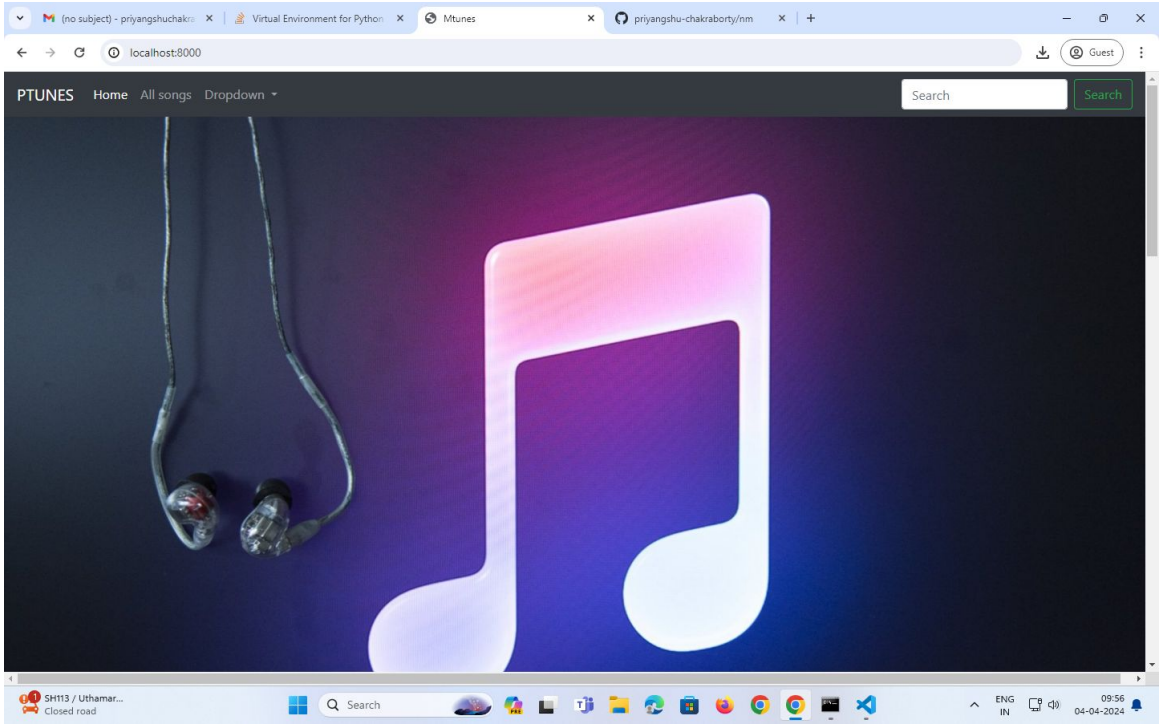
Departments-Page



Future Enhancements:

Future enhancements for the music app built with Django could include integrating advanced machine learning algorithms for more accurate and personalized music recommendations. These algorithms could analyze users' listening habits, preferences, and social interactions to suggest relevant tracks, artists, and playlists. Additionally, enhancing the app's social features by allowing users to connect with friends, share playlists, and collaborate on curated collections could foster a sense of community within the platform. Furthermore, incorporating support for offline playback and synchronization across multiple devices would enhance the app's accessibility and convenience for users on the go. Continuous updates to the app's interface and functionality based on user feedback and emerging technologies would ensure that it remains competitive and aligned with evolving trends in the music streaming industry.

Conclusion

In conclusion, the development of a music app using Django offers an opportunity to address the shortcomings of existing platforms and provide users with a superior music listening experience. By leveraging Django's powerful features and integrating personalized recommendation algorithms, the application aims to cater to the diverse preferences of music enthusiasts while ensuring efficiency, security, and scalability.

Source :

edunet foundation

Thank You!