MINI PROJECT

Step Guide

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Abstract:

The " Step Guide" project emerges as a sophisticated and user-centric solution addressing the intricate task of choosing suitable footwear. In a world replete with footwear options, this project offers a streamlined approach to aid users in making informed decisions. Through the fusion of modern HTML/CSS frontend design and the versatile Python Django backend, the project cultivates a dynamic and interactive digital environment.

The frontend of the project utilizes HTML and CSS to create an intuitive and visually appealing user interface. This interface guides users through the process of selecting the most suitable footwear by considering factors such as occasion, style, comfort, and functionality. The frontend employs responsive design principles, ensuring a consistent and user-friendly experience across various devices and screen sizes.

On the backend, the project leverages the Python Django framework to handle the logic and data processing. The backend is responsible for managing user inputs, conducting real-time assessments based on predefined criteria, and generating personalized footwear recommendations. Django's robust architecture facilitates efficient data storage, retrieval, and manipulation, contributing to the seamless user experience.

Modules:

- Admin
- Client
- Merchant

Admin:

The Admin module empowers administrators to manage the application efficiently. Administrators can:

- Access a secure dashboard to oversee user interactions, system performance, and application statistics.
- Add, edit, or remove footwear products in the database, updating styles, prices, and availability.
- Monitor user data and preferences, allowing for the continuous improvement of recommendation algorithms.

- Manage merchant accounts and their product offerings, ensuring quality and variety within the system.

Client:

The Client module is designed to provide a personalized footwear selection experience for end-users. Clients can:

- Create accounts, search products as personalized by giving appropriate data.
- Receive real-time footwear recommendations based on AI.
- Explore a diverse range of footwear products categorized by occasion, style, comfort, and functionality.
- View detailed product information, images, prices, and merchant details before making a purchase decision.
- Rate and review purchased products.
- Make Payment.

Merchant:

The Merchant module offers a platform for footwear vendors to showcase their products and reach potential customers. Merchants can:

- Register and set up accounts to upload their footwear products to the application.
- Manage their product catalog, including adding new products, updating existing ones, and adjusting pricing.
- Access insights into the performance of their products, viewing sales trends and customer reviews.
- Respond to customer reviews.
- Billing

Technologies

- Payment
- Feedback
- 360 views (AR) of footwear products
- Artificial intelligence for choosing perfect product
- Chabot
- AR Technology

Mini Project

- Login pages for Admin, Client, Merchant
- Add products
- Payment Methods

Main Project

- Implementation of AI
- Add Chabot
- 360 views (AR) of footwear products
- Notification for out-of-stock products
- AR Technology

Reference

https://www.mensxp.com/fashion/shoes/102669-how-to-choose-the-right-shoes.html
https://www.healthy-footwear-guide.com/shoe-selection

Software Specifications

Frontend: HTML, CSS, Bootstrap
Backend: Django
Database: SQLite