**MAIN 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
* Vendor

**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 category and subcategories.
* Monitor user data and preferences and manage users
* 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.
* 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.
* Enquiry through chatbot.
* Make Payment.
* Notification for out-of-stock products.
* Compare Footwear.
* View Order details.
* Track Products.

**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.
* Add Stock from Agent.
* Return damaged product to agent.

**Agent:**

The Agent module will handle the interaction between the and Merchants. This module can include functionalities like view stock details, providing inventory to merchants, etc.

* View Stock
* View Inventory: Keep track of the available stock and its status.
* Provide Stock to Merchants: Specify quantities and allocate stock to different merchants.
* Deliver Products to merchant.
* Take Damaged products from merchant.

**Technologies**

* Chabot for user enquires (AI)
* Foot and shoe measurements using ML
* Footwear Comparison

**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