HandiCrafted.in

A store for every new story
The place of personalised Indian handicrafts

Project Scope

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Project Idea

This project intends to provide personalized handcrafted items to users. E.g., if the users want any handcrafted item made, like earrings or t-shirts customized according to their taste, this will be the place to be. This will be a platform for handicraft item vendors to connect with the users who find it challenging to come across such items. This project will provide the ultimate buying experience for handicraft lovers with the twist of personalization and customization.

Tech Stack

- Django, Python: For handling the back-end, making the API, and managing updates to MySQL.
- ReactJS, NodeJS: for creating the front-end and deployment.
- MySQL: for handling the database.

Functional Requirements

- The web will allow the admins and employees to log in using an admin panel.
- The admins and employees can add, delete, and update the inventory database.
- The admins and employees will be able to view the order details of any customer - including the personalizations of every article ordered- and also be able to see the customer details.
- The employees can view the inventory levels, and will receive stock alerts, and will be able to reorder items whenever required.
- The admins can manage employee and customer access.
- The users can access the online store without logging in/signing up but will be prompted to log in/sign up when checking out.
- The products will be arranged and segregated into different categories.
- The users will be prompted for their personalizations while adding an article to the cart or when directly checking out.
- The user will be able to save items and personalizations in a cart.
- If the stock of an item gets zero - it will display "out of stock" - even if the item is saved in the cart.
- The inventory is updated after every transaction, and the bill is generated for the user.
- The user can view their previous orders and details.
- The user can rate the items they buy, and the collective average rating will be displayed to the customers and employees.

Technical Requirements

- The users and employees must be uniquely identified through email ID/phone number.
- If the stock of an item gets zero - it will display "out of stock" - even if the item is saved in the cart.
- The inventory is updated after every transaction.
- Appropriate filtering and sorting of articles will be implemented.

- The customer's initials (email ID/Phone no/password) will be encrypted and stored on the database.

Additional Scope
- The customer will get coupons and other offers based on some purchasing criteria.
- Users can have multiple membership levels, with each increasing level having more benefits (we need to figure out what to add here).

Contributions
All the work was collectively discussed and equally distributed as we saw fit.
- Adya Aggarwal -2022043 - Ideation and Discussion of Project idea and tech stack.
- Dhruv Prakash -2022168 - Ideation and Discussion of project idea and functional requirements
- Kirti Jain -2022250 - Ideation, Discussion of project idea, technical requirements, and drafting of document.
- Saksham Singh -2022434 - Discussion of functional requirements and technical requirements and drafting of the document (and creating the AI header footer).