**Bazaar.com –Online Shopping Mall**

**Project Domain / Category**

Web Programming

**Introduction**

An online shopping mall, often referred to as an e-commerce marketplace or virtual shopping center, is a digital platform that brings together multiple retailers and sellers to offer a wide range of products and services to consumers over the internet. It provides a convenient and centralized location for people to browse, compare, and purchase a diverse array of goods, including clothing, electronics, home appliances, books, and much more.

These platforms host numerous individual sellers, brands, and retailers within a single website. Sellers can set up their virtual storefronts and list their products for sale, making it a competitive marketplace where consumers can compare prices and offerings.

Shopping in an online mall is incredibly convenient, as it can be done from the comfort of one's own home, office, or even on the go using mobile devices. This eliminates the need for physical travel and allows customers to shop at any time, 24/7.

This website (online Mall) will have a homepage that showcases featured or new products.

Products are usually organized into categories (e.g., electronics, clothing, home decor, etc.). Users can browse these categories to find the type of products they are interested in.

An essential feature is a search bar that allows users to search for specific products or brands.

A user will be able to purchase / make order against available items after getting registered or as a visitor on the website and passing through the payment method (cash on delivery). The website will provide interactive interfaces and rich search facility for finding different types of products through different filters. The website will allow its registered users/visitors to record their comments/reviews against any purchased item. The comments / reviews will be published on the website with the item information. Besides, the registered users will be able to submit their complaints / feedback regarding the website services.

**Functional Requirements:**

Following are key functional requirements for the proposed system:

1. **User Registration/Sign Up, Sign in:**

There will be proper **interfaces** for user registration and Sign in for the following **four** types

of the users of the website:

* Visitor (Unregistered User)
* Registered user (Buyer/Customer)
* Registered user (Seller)
* Registered user (Administrator)

**Note: During signup you can have a field asking his/her role.**

**Roles of the users will be as follow:**

* **Visitor** will be able to visit the website to search products on the website and can buy but won’t be eligible for a discount.
* A user registered as a **Buyer/Customer** will be able to place order on the website with special **discount of 5%**.
* A user registered as a **Seller** will be able to open a store on the website and can sell goods.
* The **Administrator** (Admin) will have all the **rights/privileges:**
* of information management regarding the **items**, **stock** management, as well as **user** management.
* Admin will approve the registration requests from the other users (Buyer/Seller).

1. **Admin Panel:**

* There will be a proper Admin Panel through which the Admin will be able:
* to perform category management of product as well as
* user management (accepting / rejecting user registration requests).

1. **Seller Panel:**

* There will be a proper Dashboard comprising of interactive interfaces through which a **Seller** can **add / delete / update** all information such as description, price, stock, images etc. of products.

1. **Search facility:**

* The website will provide interactive interfaces and rich search facility for finding different types of products through different filters.
* User can search by:
* product name
* category
* Company name / Brand
* Pricewise
* New arrival
* Sale
* Best sellers
* Search results will be displayed on the screen showing the image, name, and company name etc. of the product(s).
* If the user clicks on any specific image:
* All detailed info about it will be displayed including the seller shop name/quantity available and size (if applicable) etc.

1. **Placing Order on the Website:**

* The website will allow the visitor / registered user to make order against their selected items. There will be proper interfaces on the website in this regard.
* The user will first have to select the item to put into the **shopping cart**, and then will have to pass through any of the payment method which will be:
* cash on delivery only.
* **Confirmation Email on transaction (Order Placing):**
* A confirmation email on successful transaction will be sent to the user’s provided email.

1. **Comments / Reviews:**

* The visitors / registered users will be able to submit their comments / reviews on the website against any purchased item.
* They should be able to upload any image(s) in support to their reviews.

1. **Complaints / Feedback**

* The registered users/visitors will be able to submit their complaints / feedback regarding the website services through related interface on the website. This information will be submitted to Admin.

Note: Visitor’s feedback should be saved in the database as anonymous user (or if he/she provide his/her name).

1. **Inventory of products:**

* This project will have a back-end database where information about all types of users is stored.
* All types of information about **bought/sold** products is kept.
* So, you need to maintain the product inventory. Means, if a shirt of a specific brand (belonging to a certain seller) is sold, the available stock must be made one less right away.

**Tools:**

1. PHP and MySQL (You can choose any framework such as Laravel)

2. Bootstrap or any other CSS Framework.

3. Any JavaScript library/ framework such as jQuery, Vue Js, react Js or angular Js

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