**SHOPPING HUB**

**User Schema**

The user schema defines the structure for storing user-related information in the database.

* **\_id** : Automatically generated unique identifier for each user.
* **firstName** : User's first name.
* **lastName** : User's last name.
* **emai** : User's email address (unique).
* **Password** : Hashed password for user authentication.
* **Gender** : User's gender (e.g., "male," "female," "other").
* **Address** : User's address information, including street, city, state, postal code, and country.
* **Verified** :false(for verifying the user after signup)
* **User photo:**
* **store logo:**
* **store name:**
* **Tokens**: An array of authentication tokens for user authentication (if using JWT).
* **createdAt** : Timestamp indicating when the user account was created (default: current date and time).
* **updatedAt** : Timestamp indicating the last time the user account was updated (default: current date and time).

**Product** schema for a comprehensive product management system. Here's an extended list of fields you might include:

1. **\_id**: A unique identifier for each product, automatically generated by MongoDB.
2. **name**: The name of the product.
3. **description**: A brief description of the product.
4. **category**: The category or type of the product (e.g., electronics, clothing, books).
5. **photo**: An image or reference to an image of the product.
6. **costPrice**: The cost price of the product, i.e., how much it costs you to acquire or produce.
7. **salePrice**: The price at which you sell the product to customers.
8. **quantityInStock**: The current quantity of this product in your inventory.
9. **quantitySold**: The total quantity of this product sold so far.
10. **profitEarned**: The total profit earned from selling this product.
11. **createdAt**: A timestamp indicating when the product was added to the inventory.
12. **updatedAt**: A timestamp indicating the last time the product's information was updated.
13. **inStock**: A boolean flag to indicate whether the product is currently available for sale. You can set this to **true** or **false** depending on whether you want to show or hide the product on your website.
14. **tags**: An array of keywords or tags associated with the product for search and filtering purposes.
15. **Gender**: for which gender the products are designed for.
16. **Discounted price:**
17. **postedBy:** A user \_id will be saved here as a reference so that we can filter the products

**Things need to be done.**

* **One home page where all users can see all the products without signin and signup.**
* **Login and signup option on that page or on navbar/sidebar**
* **After login there should be a page where all the products that user have uploaded should be shown.**
* **Add new product should also be there**
* **User can edit product info** 
  + **Name**
  + **Description**
  + **Category**
  + **Gender**
  + **QuantityInStock**
  + **QuantitySold**
  + **Tags**
  + **Discounted price**
  + **Photo**
  + **Cost price**
  + **Sale price**

**Common home page**

* We will not show the products of the current logged in user, we will filter them.
* Here all the products available in the database will be shown weather they in stock or out of stock.
* Products out of stock will be having different UI and no option to order.
* If user is not logged in, he is not allowed to order anything prompt should be there.
* Hearted products should have separate page.

**Now we will create sale and purchase schema**