**Existing Structure:**

* **User Collection:** Contains user details like username, email, password , role.
* **Product Collection:** Contains product details like title, description, price , isFeatured , image.

**Changes Made:**

* Added a wishlist field to the User schema as an array of ObjectId references to the Product collection. This allows each user to store a personalized list of product IDs in their wishlist.

**Advantages of This Structure:**

* Keeps the wishlist data tied to the user, ensuring privacy.
* Efficient querying by leveraging MongoDB's populate feature to fetch product details dynamically.

**Workflow Overview**

1. **Add to Wishlist:**
   * Users click "Add to Wishlist" on a product.
   * The product's ObjectId is added to the wishlist array in the user's document.
2. **View Wishlist:**
   * The GET /wishlist route fetches the user's wishlist, populating product details using populate.
   * The wishlist.ejs page dynamically renders the list of products.