SP21-BSE-A Midterm Final Lab Exam

**Question:**

You have already implemented an e-commerce solution with the "Add to Cart" functionality and user authentication. Now, your task is to add a new feature:

1. Add a button labeled **"Add to Wishlist"** alongside each product.
2. This button should only be functional for logged-in users. If a user is not logged in, clicking this button should show an appropriate message, such as "Please log in to add items to your wishlist."
3. When a logged-in user clicks the "Add to Wishlist" button:
   * The product should be added to their wishlist.
   * The wishlist data should be stored in the database.
4. Implement a **"View Wishlist"** page or section where users can see all the items they have added to their wishlist. Ensure that:
   * Each user's wishlist is private and only accessible to them.
   * Data is fetched dynamically from the database.

**Deliverables:**

* Code implementation for the "Add to Wishlist" functionality.
* A working "View Wishlist" page for logged-in users.
* A brief explanation of how you structured your database and any changes made to the existing schema to support the wishlist feature.

**Hint:** You can create a new collection or modify your existing user schema to include a wishlist array where you store product references.

**Answer:**

To support this feature I created 2 new schemas : wishlist and users.  
The user schema store the users info and the wishlist schema stores the users wishlist.  
I created wishlist button to show all existing items in wishlist. My wishlist allow user to add a wishlist item to cart, remove. I also created all required routes for the Project.