Thread

Website where users can create accounts, save product links, and view basic product info like title, image, and price.

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1. User Authentication

Objective: Enable users to create an account and log in securely.

Features:

- Set up email/password authentication (Firebase Auth or custom)

- **Sign Up Form**: Fields – Name, Email, Password

- **Login Form**: Fields – Email, Password

- Form validation (e.g., missing fields, weak password)

- Show error messages for invalid login/signup attempts

- Display logged-in user's name on the dashboard

- Implement basic logout functionality

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2. Dashboard (After Login)

Objective: Provide a user dashboard to manage wishlist items.

Features:

- Protected route: only accessible after login

- Welcome message showing user's display name

- **"Add Product" Section**:

  - Input field to paste product link

- **Wishlist Section**:

    - List of saved wishlist items (Title, Image, Price)

- Logout button on dashboard

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3. Link Submission

Objective: Allow users to save product links they want to watch.

Features:

- Product link submission form

- On submission, store the following in MongoDB:

    - `User ID` – who added the link

    - `Product URL`

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4. Product Info Extraction

Objective: Automatically extract basic product info from the link.

Features:

- Use **Node.js + Cheerio** (scraper) or static mock data

- Extract the following fields:

    - Product Title

    - Product Image

    - Product Price (if available)

- Store the extracted data with the product entry

- Handle failed scrapes with:

    - Loading spinner

    - "Data unavailable" fallback

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5. Frontend UI

Objective: Build a clean, minimal user interface.

Tech Stack:

- **React** for frontend logic

- **Tailwind CSS** for styling

UI Components:

- Login Page

- Sign Up Page

- Dashboard Layout

- Add Product Form

- Wishlist Grid or List View

UX Considerations:

- Show loading indicators

- Show success/error messages