Project Documentation

Project Title: keep track of inventory.

1. Introduction:

- ❖ Project Title: Keep Track Of Inventory .
- ❖ Team ID: NM2025TMID42302.
- ❖ Team Leader: KAVIYA .V**[KAVI49740@GMAIL.COM]**

❖ Team Members:

1. LITHIKA .T**[LITHIKA329@GMAIL.COM].**
2. MALATHI .I **[MALAMALATHI521@GMAIL.COM].**
3. MANISHA .K **[MANIKALAI1316@GMAIL.COM].**

2. Project Overview

◆ **Purpose:**

Arunmani Shopping Complex is a simple e-commerce style web application that allows users to browse products, add items to the cart, check inventory, track sales, and add new products.

◆ **Features:**

- ➢ Product Catalog with details (price, stock, tags, comments).
- ➢ Add to Cart functionality.
- ➢ Inventory management with stock tracking.
- ➢ Add new product form (Name, Image, Price, Stock, Tag, Comment).
- ➢ Sales page (future tracking system).
- ➢ User-friendly interface with responsive design.

3. Architecture

◆ **Frontend:**

- ➢ HTML, CSS, JavaScript..
- ➢ Responsive design with CSS flexbox and media queries..

◆ **Backend:**

- ➢ Not implemented in this version (can be extended with Node.js & Express).

◆ **Database:**

- ➢ Currently uses in-memory JavaScript array (products & cart).
- ➢ Can be extended with MongoDB for persistent storage.

4. Setup Instructions:

◆ Prerequisites

- ➢ Web Browser (Chrome/Firefox/Edge).
- ➢ Code Editor (VS Code recommended).

◆ Installation Steps::

1. Clone or download the project files.
2. Open the index.html file in a browser.
3. No server setup required (static HTML/JS app).

5. Folder Structure:

✓ Arunmani-Shopping-Complex/

```
│── index.html        # Main HTML file
│── style.css         # Embedded/External CSS (optional separation)
│── script.js         # JavaScript logic (optional separation)
│── assets/           # Images & icons (optional)
```

6. Running the Application:

- ✧ Open index.html in a browser.
- ✧ Navigate using the menu bar:
- ✧ **Home:** Browse products.
- ✧ **Cart**: View added products.
- ✧ **Inventory:** Check stock levels.
- ✧ **Sales:** Placeholder page for sales tracking.
- ✧ **Add Product:** Add new products dynamically.

7. API Documentation (Future Scope):

(Currently handled by JavaScript in-memory objects; can be extended to backend APIs)

◆ Products API:

- GET /api/products → Fetch all products.
- POST /api/products → Add a new product.

◆ Cart API:

- POST /api/cart/add → Add product to cart.
- GET /api/cart → Get cart items.

- **Sales API:**
  - GET /api/sales → Fetch sales records.

8. Authentication (Future Scope):

Implement user login system with JWT authentication (optional).

9. User Interface:

- **Home Page:** Product catalog.
- **Cart Page:** Items added by user.
- **Inventory Page:** Stock & details.
- **Sales Page**: Placeholder for future enhancements.
- **Add Product Page**: Form to add products dynamically.

10. Testing

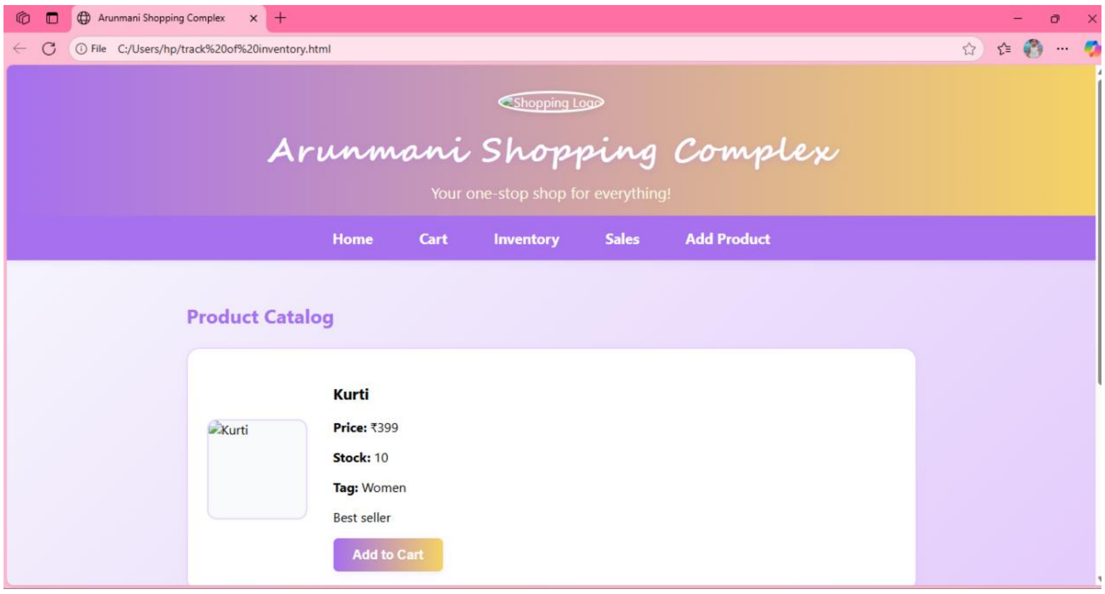
Manual Testing:

Add product, add to cart, stock decrement, inventory updates.

- **Tools:** Browser console, Chrome DevTools.

11. Screenshots or Demo:

SCREENSHORT:


Arunmani Shopping Complex
File C:/Users/hp/track%20of%20inventory.html
Shopping Logo
Arunmani Shopping Complex
Your one-stop shop for everything!
Home
Cart
Inventory
Sales
Add Product
Add to Cart

Product Catalog

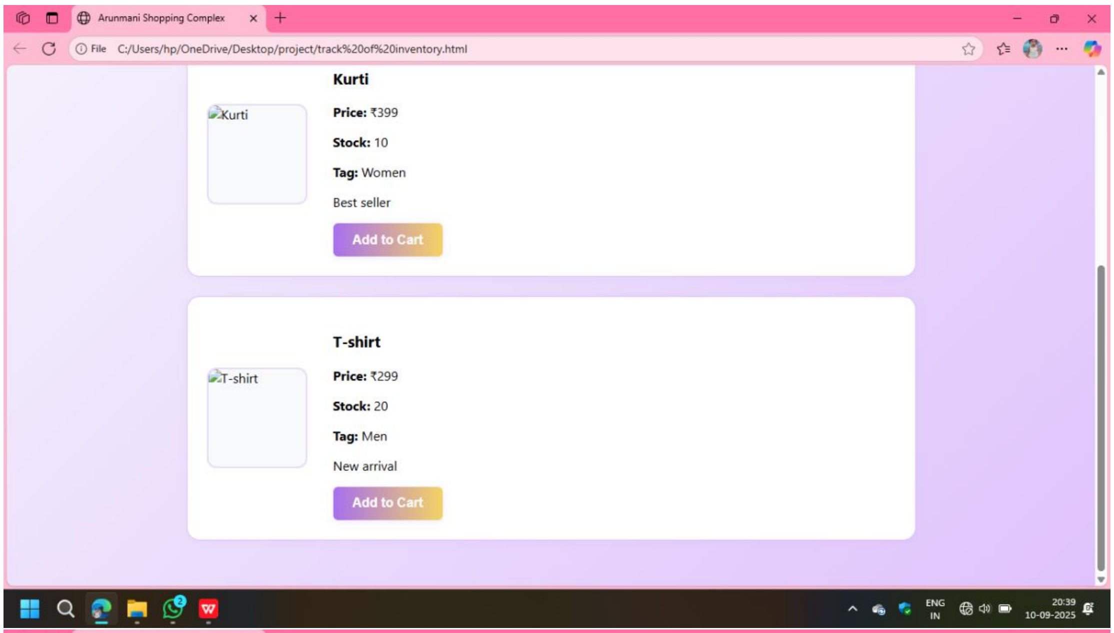
Kurti

Price: ₹399

Stock: 10

Tag: Women

Best seller


Arunmani Shopping Complex

File C:/Users/hp/OneDrive/Desktop/project/track%20of%20inventory.html

Kurti

Price: ₹399

Stock: 10

Tag: Women

Best seller

Add to Cart

T-shirt

Price: ₹299

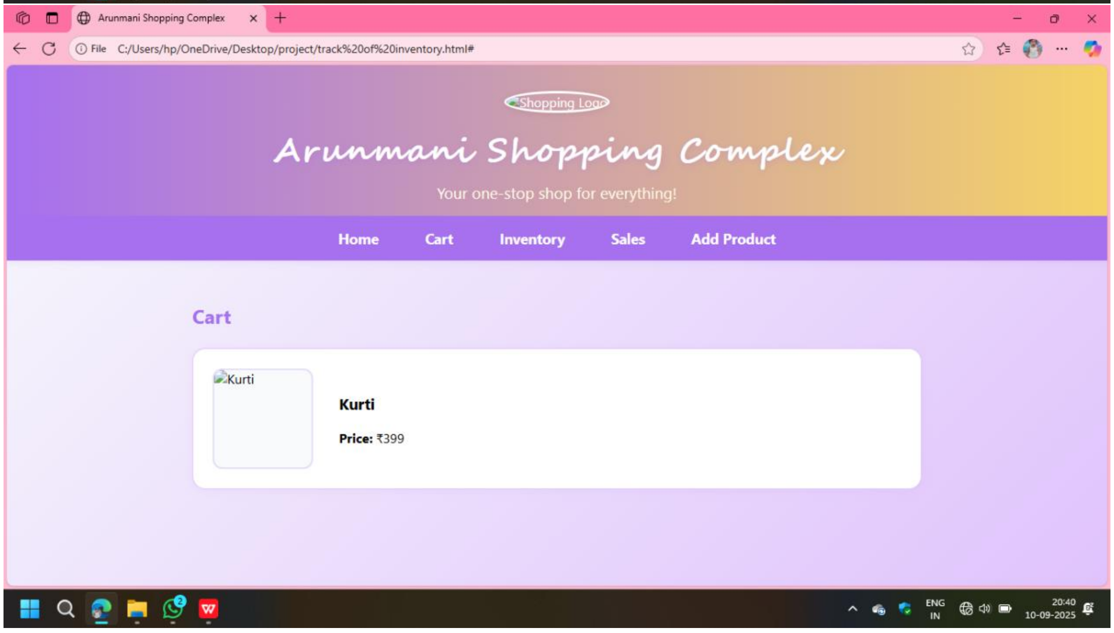
Stock: 20

Tag: Men

New arrival

Add to Cart

ENG IN 20:39 10-09-2025


Arunmani Shopping Complex

File C:/Users/hp/OneDrive/Desktop/project/track%20of%20inventory.html#

Arunmani Shopping Complex

Your one-stop shop for everything!

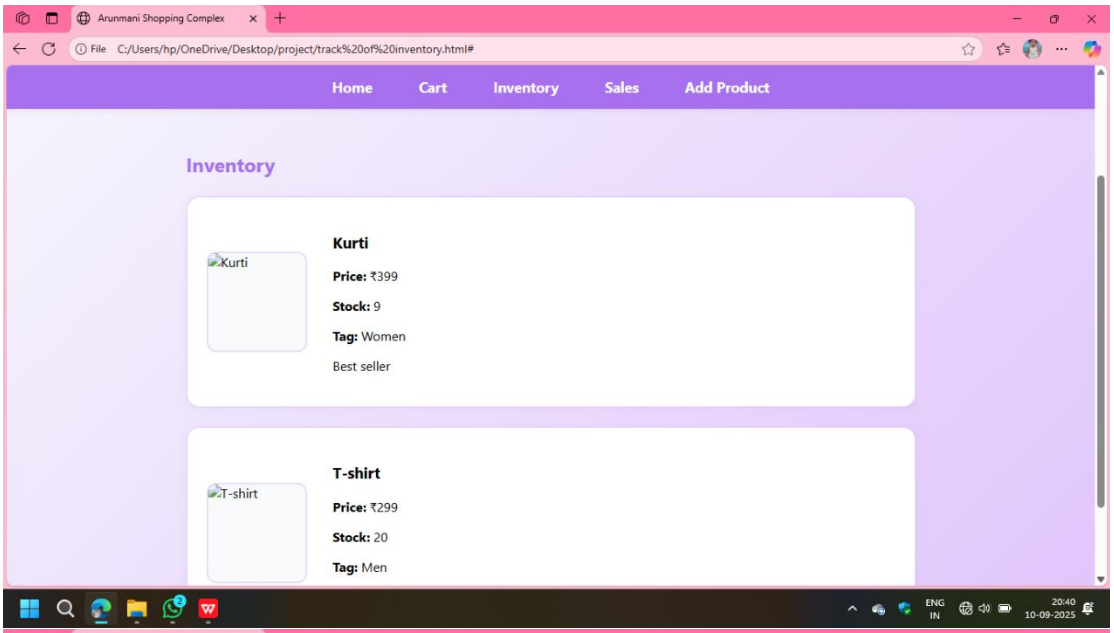
Home Cart Inventory Sales Add Product

Cart

Kurti

Price: ₹399

ENG IN 20:40 10-09-2025


Arunmani Shopping Complex
File C:/Users/hp/OneDrive/Desktop/project/track%20of%20inventory.html#
Home
Cart
Inventory
Sales
Add Product
ENG IN
20:40 10-09-2025

Inventory

Kurti

Price: ₹399

Stock: 9

Tag: Women

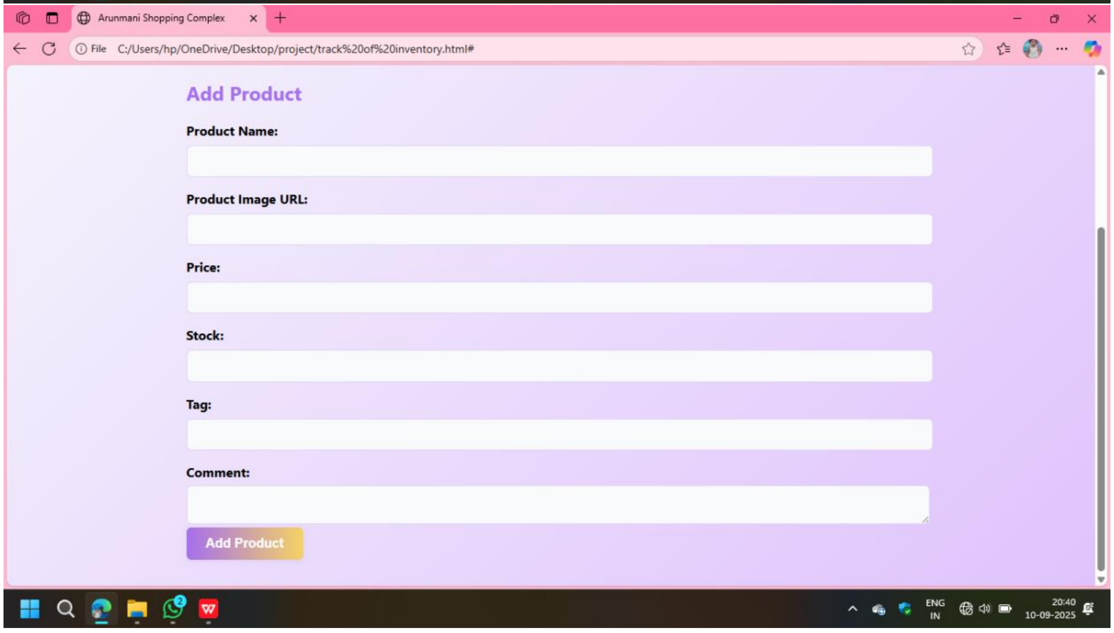
Best seller

T-shirt

Price: ₹299

Stock: 20

Tag: Men


Arunmani Shopping Complex
File C:/Users/hp/OneDrive/Desktop/project/track%20of%20inventory.html#
Add Product
ENG IN
20:40 10-09-2025

Add Product

Product Name:

Product Image URL:

Price:

Stock:

Tag:

Comment:

12. Known Issues:

- Data resets on page refresh (no persistent storage)..
- No authentication system implemented..
- Sales tracking not functional yet.

13. Future Enhancements::

- Connect backend with Node.js + Express + MongoDB.
- Implement user login & authentication..
- Add checkout and payment system.
- Create sales tracking & reports.
- Deploy on Netlify/Heroku.