

Hackathon Web Shopping Site

This is a responsive e-commerce website built for a hackathon, using HTML, CSS, and JavaScript, enhanced with dark mode, a persistent cart, and real product images.

🚀 Live Site

<https://vishwa1805.github.io/Generative-AI-Hackathon/>

🐛 Bugs Fixed


- ✅ Cart array initialization was incorrect — now defaults to [] if localStorage is empty.
- ✅ localStorage was overwritten twice (setItem bug) — fixed to only store serialized data.
- ✅ showProductDetail used fragile onclick handlers — improved with safe string handling.
- ✅ Dark mode toggle was page-local — now uses localStorage so it stays synced between index.html and cart.html.
- ✅ Broken search filter — made case-insensitive and ensured it works across all categories.
- ✅ CSS and HTML cleanup for consistent IDs and class naming.

💡 Enhancements Made

- 💡 Integrated product images (inside images/) for a richer UI.
- 💡 Added category-based grouping (Shoes, Electronics, Clothing, Accessories).
- 💡 Built a dark mode toggle 🌙 that persists across all pages.
- 💡 Redesigned product cards with hover animations, drop shadows, and clean typography.
- 💡 Included “Go to Cart” button styled prominently near the search bar.
- 💡 Cart page shows a clear total, plus option to clear cart.
- 💡 Fully responsive layout using Flexbox and Grid.

AI Tools Used & How They Helped

ChatGPT (by OpenAI)

 Assisted in debugging, generating product data, designing responsive CSS, cleaning up JavaScript logic, and writing this README.

GitHub Copilot (VS Code)

 Helped autocomplete standard JavaScript methods and reduce boilerplate.

AI design suggestions (perplexity)

 Proposed modern UI interactions and color themes.

Tech Stack

HTML5

CSS3 (Flexbox, Grid, transitions)

Vanilla JavaScript

Images stored locally in images/ directory

Project Structure

markdown

Copy

Edit

Hackathon/

├─ index.html

├─ cart.html

├─ style.css

├─ index.js

└─ images/

├─ backpack.jpg

└─ camera.jpg

└─ hat.jpg

└─ ...etc

🌙 Dark Mode

Click the 🌙 icon to toggle between light & dark.

Theme preference is saved across both pages.

🚀 Happy Shopping!