

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.

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!