

Flashcards Web App

A modern study-focused flashcard application

Built with HTML, CSS, and Vanilla JavaScript

Problem Statement

Many students struggle with retaining information using traditional notes. There is a need for a simple, distraction-free, and offline-friendly study tool that encourages active recall.

Solution Overview

The Flashcards Web App provides an interactive way to study using digital flashcards. Users can create, manage, and study cards efficiently across all devices.

Key Features

- Create and delete flashcards
- Smooth flip animations
- Study mode with navigation
- Offline functionality
- Light and dark themes

Technology Stack

Frontend: HTML5 and CSS3

Logic: Vanilla JavaScript (ES6+)

Storage: Browser LocalStorage

UI / UX Decisions

The application was designed mobile-first with a clean interface. Focus was placed on readability, accessibility, and smooth interactions to create a premium learning experience.

Challenges & Learnings

Managing application state, persisting data using LocalStorage, and handling dynamic DOM updates were key learning points during development.

Conclusion

This project demonstrates strong frontend fundamentals, thoughtful UI design, and practical problem-solving using core web technologies.