

# 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.