Experiment 10	
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DOP	
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Aim: To study and implement deployment of Ecommerce PWA to GitHub Pages.

Theory: GitHub Pages is a free hosting service by GitHub that lets you deploy static websites directly from a repository. It's ideal for deploying PWAs, especially during development and testing, because it supports HTTPS and can serve your manifest and service worker correctly.

To deploy a PWA to GitHub Pages:

- Your project must be pushed to a GitHub repo.

- You should configure the homepage field in package.json (if using a build tool).

- All build outputs (like index.html, manifest.json, service-worker.js, etc.) should be in the correct structure.

- Then you enable GitHub Pages in repo settings and select the correct

branch (usually main or gh-pages).

Output:

App Manifest

https://spark8961.github.io/30-pwa-10/manifest.json

Identity

name	Mock Ecommerce App
short_name	Ecommerce

Presentation

dir	auto
lang	
start_url	https://spark8961.github.io/index.html
display	standalone
orientation	
theme_color	⬤ #317EFB
background_color	⬤ #FFFFFF
scope	https://spark8961.github.io/
id	https://spark8961.github.io/index.html

Icons

192x192
image/png

Purpose: any

GitHub Pages

GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.

Your site is live at https://spark8961.github.io/30-pwa-10/
Last deployed by ● Spark8961 1 minute ago

⬀ Visit site ···

Build and deployment

Source

Deploy from a branch ▾

Branch
Your GitHub Pages site is currently being built from the main branch. Learn more about configuring the publishing source for your site.

⅄ main ▾   ■ / (root) ▾   Save

Service Workers

spark8961.github.io/30-pwa-10
Updated April 9, 2025 at 1:21:26 AM

⚒ service-worker.js ↪
● Running

Conclusion: The service worker was successfully configured to handle fetch, sync, and push events. This improves offline experience, supports background operations, and enables real-time user engagement.