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

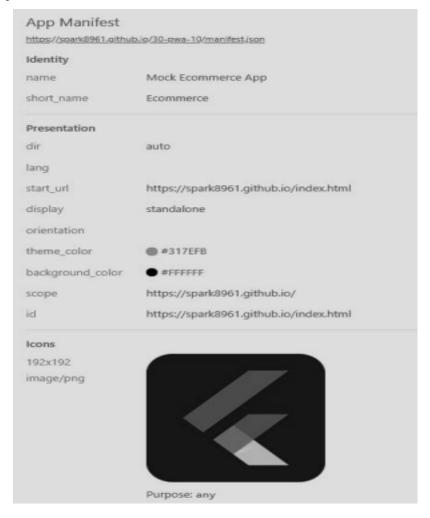
**Theory:** GitHub Pages is a free hosting service by GitHub that lets you deploy static websites directly from a repository. It's ideal for deploying PWAs, especially during development and testing, because it supports HTTPS and can serve your manifest and service worker correctly.

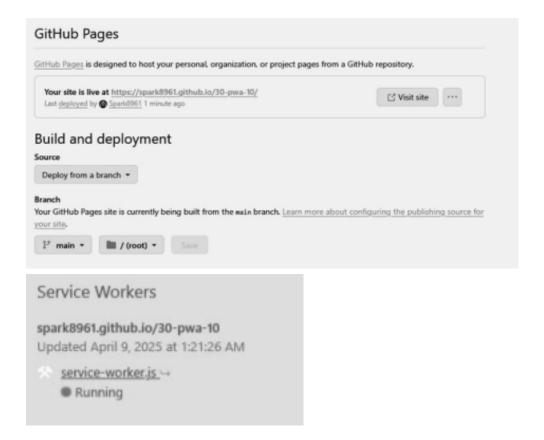
To deploy a PWA to GitHub Pages:

- 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:**





**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.