Aim:

To study and implement deployment of E-commerce PWA to GitHub Pages.

Theory:

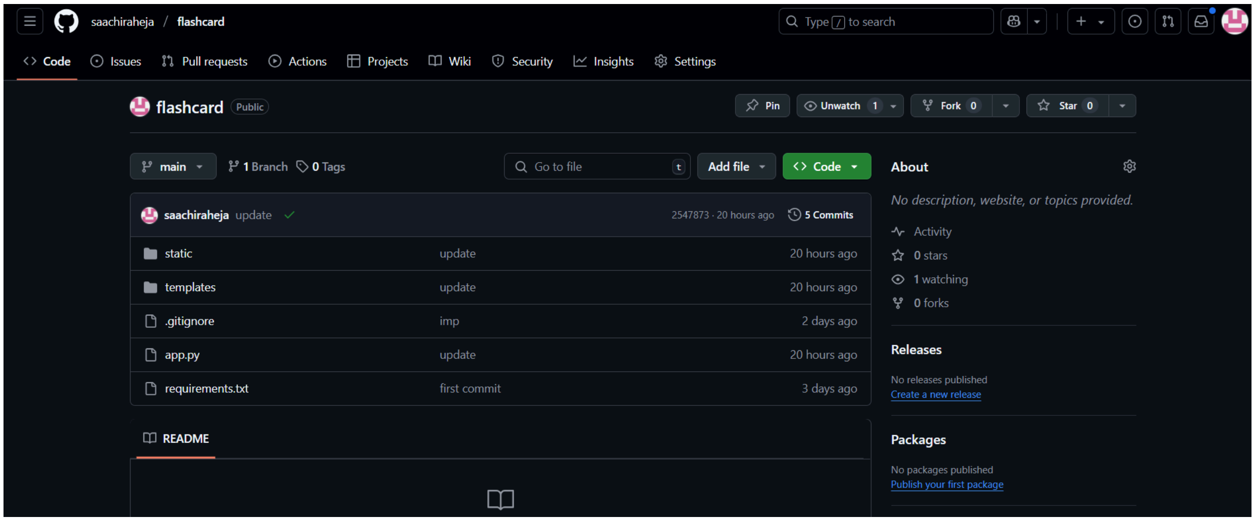
GitHub Pages is a free hosting service provided by GitHub that allows you to deploy static websites directly from a GitHub repository. Progressive Web Apps (PWAs), being primarily composed of HTML, CSS, and JavaScript, are well-suited for deployment on GitHub Pages.

Steps for Deployment:

1. Prepare the PWA:
   Ensure your PWA is complete with the required files:
   - index.html
   - manifest.json
   - service-worker.js
   - Assets (CSS, JS, icons, etc.)
2. Push Code to GitHub Repository:
   Create a repository on GitHub and push all your PWA files to it.
3. Configure the Repository:
   - Go to the repository settings.
   - Scroll down to the GitHub Pages section.
   - Under Source, select the branch (main or master) and root or /docs folder.
4. Update Service Worker Scope (if needed):
   Since GitHub Pages serves the app from a subpath like https://username.github.io/repo-name/, you may need to:
   - Set start_url in manifest.json accordingly.
   - Update the service worker's scope.
5. Build (if using a bundler like Webpack or Vite):
   Run the build command to generate production files, and deploy the output folder (commonly dist/ or build/).

6. Access the App:
   Your PWA will be available at:
   https://<your-username>.github.io/<repo-name>/

Screenshots:



saachiraheja update ✓ 2547873 · 20 hours ago 5 Commits

static	update	20 hours ago
templates	update	20 hours ago
.gitignore	imp	2 days ago
app.py	update	20 hours ago
requirements.txt	first commit	3 days ago

About

No description, website, or topics provided.

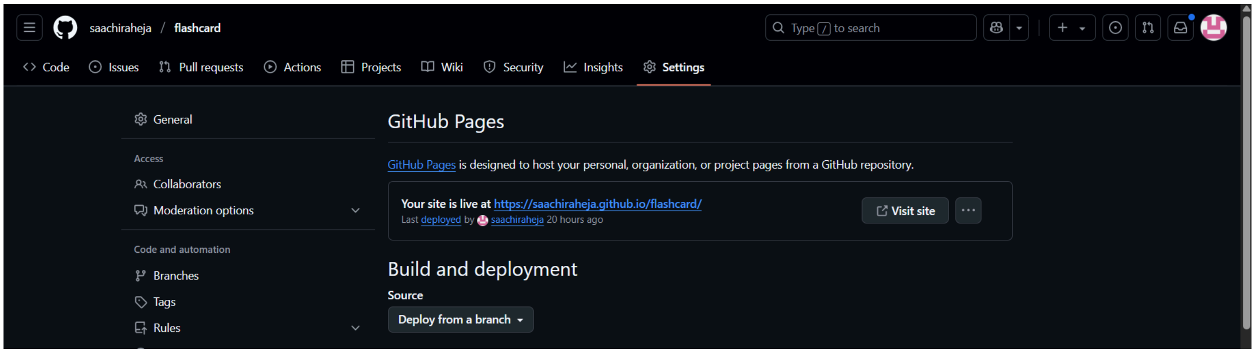
Activity
0 stars
1 watching
0 forks

Releases

No releases published
Create a new release

Packages

No packages published
Publish your first package



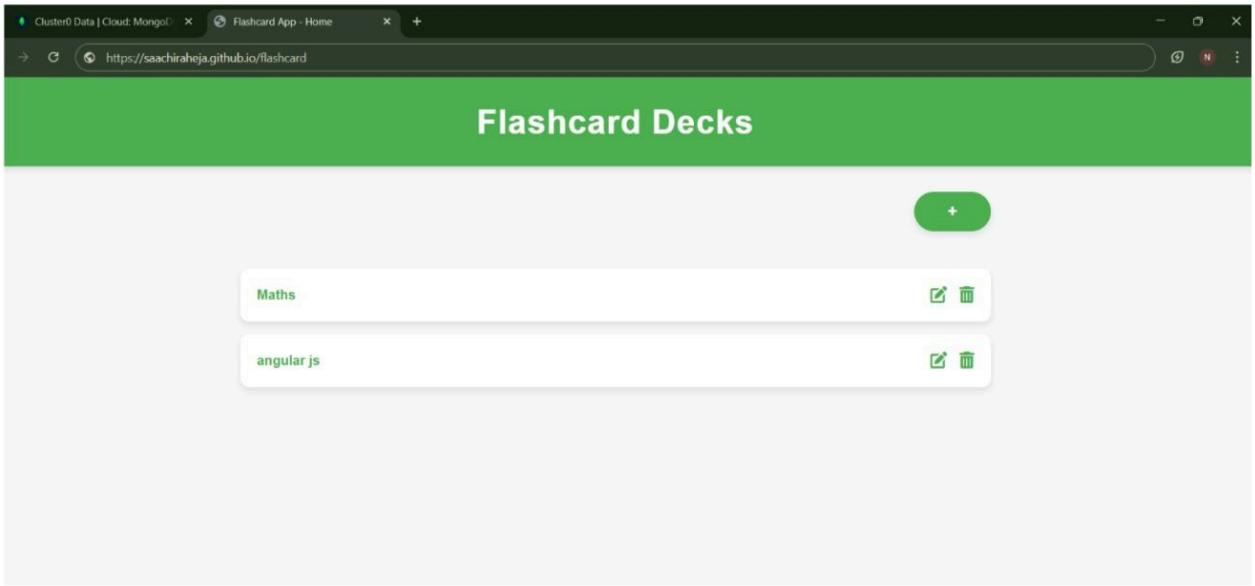
GitHub Pages

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

Your site is live at https://saachiraheja.github.io/flashcard/
Last deployed by saachiraheja 20 hours ago

Build and deployment

Source
Deploy from a branch


Cluster0 Data | Cloud: MongoD
Flashcard App - Home
https://saachiraheja.github.io/flashcard
Flashcard Decks
+
Maths
angular js

Conclusion:

Deploying an E-commerce PWA to GitHub Pages is a practical and cost-effective solution for showcasing and testing your app online. It allows developers to host their PWA using a simple, version-controlled workflow, ensuring easy updates and accessibility. Proper configuration of paths and service worker settings ensures that the app functions smoothly, including offline capabilities and the "Add to Home Screen" feature.