

| Experiment 10 | |
|---------------|-------------------|
| Name | Chinmay Chaudhari |
| Rollno | 6 |
| Class | D15C |
| DOP | |
| DOS | |
| Sign | |
| Grade | |

Aim: To study and implement deployment of Transactional PWA to GitHub Pages.

Theory:

Deploying an Transactional Progressive Web App (PWA) to GitHub Pages allows users to access the app through a live URL directly from the browser. GitHub Pages is a free static site hosting service ideal for deploying Flutter web builds. The deployment involves building the Flutter app for the web, setting the correct base href, pushing the build to a GitHub branch (typically gh-pages), and enabling GitHub Pages from the repository settings. This makes the PWA accessible and installable across platforms.

Output:

Git commands used to deploy Flutter web app to GitHub Pages.

npm run predeploy

```

✓ 788 modules transformed.
dist/registerSw.js           0.17 kB
dist/manifest.webmanifest    0.26 kB
dist/index.html              0.58 kB | gzip: 0.33 kB
dist/assets/NOTASK-zkzNilJD.png 63.97 kB
dist/assets/NONETWORK2-CvYLIP74.png 122.95 kB
dist/assets/SECURE-sjj2j80p.png 161.74 kB
dist/assets/index-CZohtmhv.css 24.41 kB | gzip: 5.19 kB
dist/assets/index-CnUWQSAS.js 647.04 kB | gzip: 201.32 kB

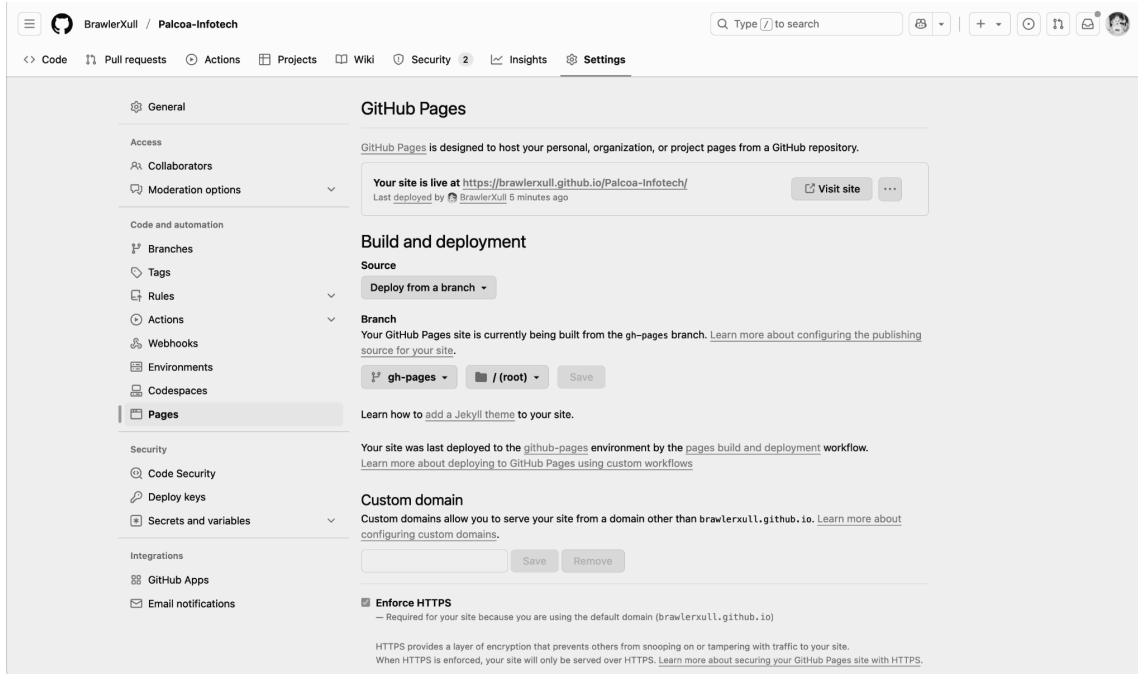
(!) Some chunks are larger than 500 kB after minification. Consider:
- Using dynamic import() to code-split the application
- Use build.rollupOptions.output.manualChunks to improve chunking: https://rollupjs.org/configuration-options/#output-manualchunks
- Adjust chunk size limit for this warning via build.chunkSizeWarningLimit.
✓ built in 2.17s

PWA v0.20.5
mode generateSw
precache 5 entries (656.45 KiB)
files generated
  dist/sw.js
  dist/workbox-3e911b1d.js

> newsifier@0.0.0 deploy
> gh-pages -d dist

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```



Conclusion:

In this experiment, the deployment of the Flutter-based PWA was successfully achieved using GitHub Pages. By initializing a Git repository inside the build/web directory and pushing the content to the gh-pages branch of the GitHub repository, the app became publicly accessible online. This method provides a simple and free hosting solution for Flutter web applications.