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Batch - C

Experiment - 10

Aim - To study and implement deployment of Ecommerce PWA to GitHub Pages

Theory -

GitHub Pages and Firebase are both excellent platforms for hosting websites and web applications, each with its own set of features, advantages, and limitations. Here's a comparison of the two:

GitHub Pages:

Pros:

1. Familiar interface for GitHub users.
2. Easy setup process.
3. Supports Jekyll for blogging out of the box.
4. Allows custom domains.

Cons:

1. Website code is public unless using a private repository.
2. No HTTPS support for custom domains (currently).
3. Limited plugin support for Jekyll.

Firebase:

Pros:

1. Hosted by Google, ensuring reliability and scalability.
2. Offers authentication, cloud messaging, and other useful services.
3. Provides a real-time database and blob store.
4. HTTPS support with free SSL certificate provisioned for custom domains.

Cons:

1. Limited to 10 GB of data transfer per month.
2. Command-line interface only.

Reasons to Choose GitHub Pages:

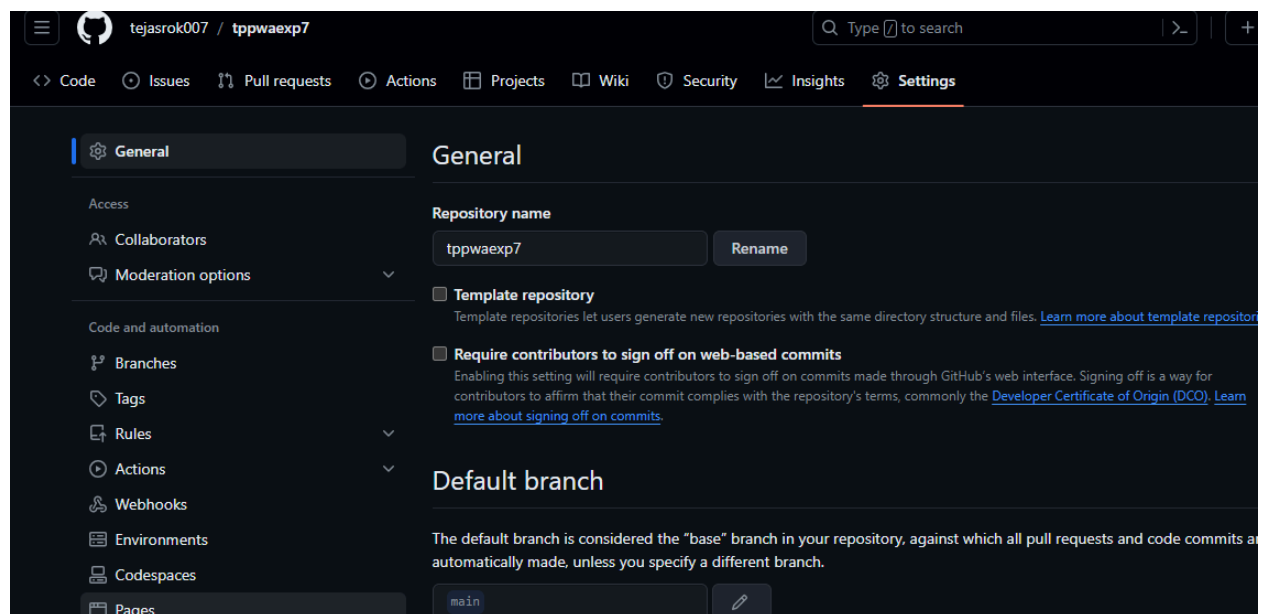
1. Free to use and integrates seamlessly with GitHub repositories.
2. Easy setup process, particularly for static websites.
3. Great for hosting blogs with Jekyll.
4. Supports custom domains.

Reasons to Choose Firebase:

1. Real-time backend capabilities make it suitable for dynamic and collaborative applications.
2. Provides a broader range of services beyond hosting, such as authentication and cloud messaging.
3. HTTPS support and free SSL certificates for custom domains.
4. Hosted by Google, ensuring reliability and scalability.

In summary, GitHub Pages is a great choice for static websites, particularly for users already familiar with GitHub, while Firebase offers a more comprehensive platform for building dynamic and real-time applications with additional backend services. Your choice should depend on the specific needs and requirements of your project.

Screenshot -



General

Access

Collaborators

Moderation options

Code and automation

Branches

Tags

Rules

Actions

Webhooks

Environments

Codespaces

Pages

Security

Code security and analysis

Deploy keys

Secrets and variables

GitHub Pages

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

Build and deployment

Source

Deploy from a branch

Branch

GitHub Pages is currently disabled. Select a source below to enable GitHub Pages for this repository. [Learn more about configuring the publishing source for your site.](#)

main / (root) Save

Visibility

GITHUB ENTERPRISE

With a GitHub Enterprise account, you can restrict access to your GitHub Pages site by publishing it privately. A privately published site can only be accessed by people with read access to the repository the site is published from. You can use privately published sites to share your internal documentation or knowledge base with members of your enterprise.

[Try GitHub Enterprise risk-free for 30 days](#) [Learn more about the visibility of your GitHub Pages site](#)

tpywaexp7 Public

Pin Unwatch 1

main 1 Branch 0 Tags

Go to file

Add file

Code

tejasrok007 pwa last check issue solved 34252b7 · 10 minutes ago 6 Commits

assets pending finally done pwa 14 minutes ago

favicon.svg changing whole site 54 minutes ago

icon-192x192.png finally done pwa 14 minutes ago

icon-512x512.png finally done pwa 14 minutes ago

tpywaexp7 Public

Pin Unwatch 1

main 1 Branch 0 Tags

All checks have passed 4 successful checks

tejasrok007 pwa last check issue solved

assets

favicon.svg

icon-192x192.png

icon-512x512.png

index.html

pages build and deployment / build (dynamic) Successful in 18s Details

pages build and deployment / report-build-status (dynamic) Successful in 3s Details

pages build and deployment / deploy (dynamic) Successful in 8s Details

Vercel - Deployment has completed Details

tejasrok007 / tppwaexp7

Type to search

CodeIssuesPull requestsActionsProjectsWikiSecurityInsightsSettings

pages build and deployment #1

Re-run all jobs

Summary

Jobs

build

report-build-status

deploy

Run details

Usage

build

succeeded 1 minute ago in 18s

BetaGive feedback

Search logs

> Set up job1s

> Pull ghcr.io/actions/jekyll-build-pages:v1.0.1211s

> Checkout0s

> Build with Jekyll3s

> Upload artifact1s

> Post Checkout0s

> Complete job0s

pages build and deployment #1

Re-run all jobs

Summary

Jobs

build

report-build-status

deploy

Run details

Usage

report-build-status

succeeded 1 minute ago in 3s

BetaGive feedback

Search logs

> Set up job0s

> Report Build Status0s

> Complete job0s

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GitHub Pages

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

Your site is live at <https://tejasrok007.github.io/tppwaexp7/>

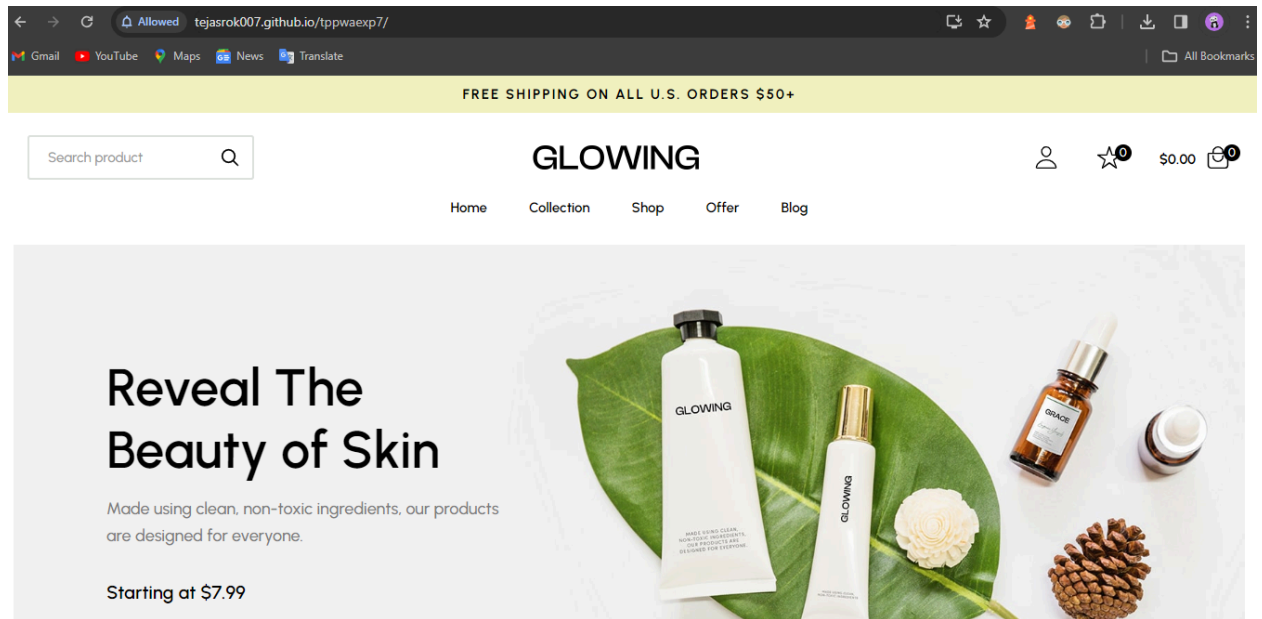
Last deployed by [tejasrok007](#) 2 minutes ago

Visit site

Build and deployment

Source

Deploy from a branch



Github - <https://tejasrok007.github.io/tppwaexp7/>

Conclusion -

In this experiment, we have registered a service worker, and completed the install and activation process for a new service worker for the E-commerce PWA.