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Class/Roll No	D15C / 9
Subject	MAD and PWA Lab
DOP	
DOS	
Sign	

EXP 10

AIM: To study and implement deployment of Ecommerce PWA to GitHub Pages.

Description:

GitHub Pages is a free hosting service that allows developers to deploy static web pages directly from their GitHub repositories. It simplifies the deployment process by enabling instant publishing—just push code to the gh-pages branch, and the site goes live. It supports Jekyll for static site generation, offers custom domain integration through a simple CNAME file, and is ideal for hosting portfolios, documentation, or project-based websites. Major companies like Lyft and HubSpot utilize GitHub Pages for its simplicity and fast setup.

Screenshot:

FOLDE...

- .dart_tool
- .idea
- android
- build
- ios
- lib
- linux
- macos
- test
- web
- windows
- .gitignore
- analysis_options.y...
- pubspec.yaml
  - .metadata
  - pubspec.lock
  - README.md
- store_manageme

main.dart   home_page.dart ×

lib > pages > home_page.dart > HomePage > build

```
1    import 'package:flutter/material.dart';
2
3    class HomePage extends StatelessWidget {
4      @override
5      Widget build(BuildContext context) {
6        return Scaffold(
7          backgroundColor: Colors.white,
8        );
```

PROBLEMS 1   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

pwsh

```
(base) PS C:\Users\Vedant\store_management> flutter build web

Font asset "CupertinoIcons.ttf" was tree-shaken, reducing it from 257628 to 1172 bytes (99.5% reduction). Tree-shaking can be disabled by
providing the --no-tree-shake-icons flag when building your app.
Font asset "MaterialIcons-Regular.otf" was tree-shaken, reducing it from 1645184 to 7692 bytes (99.5% reduction). Tree-shaking can be
disabled by providing the --no-tree-shake-icons flag when building your app.
Compiling lib\main.dart for the Web...                        21.6s
√ Built build\web
(base) PS C:\Users\Vedant\store_management>
```
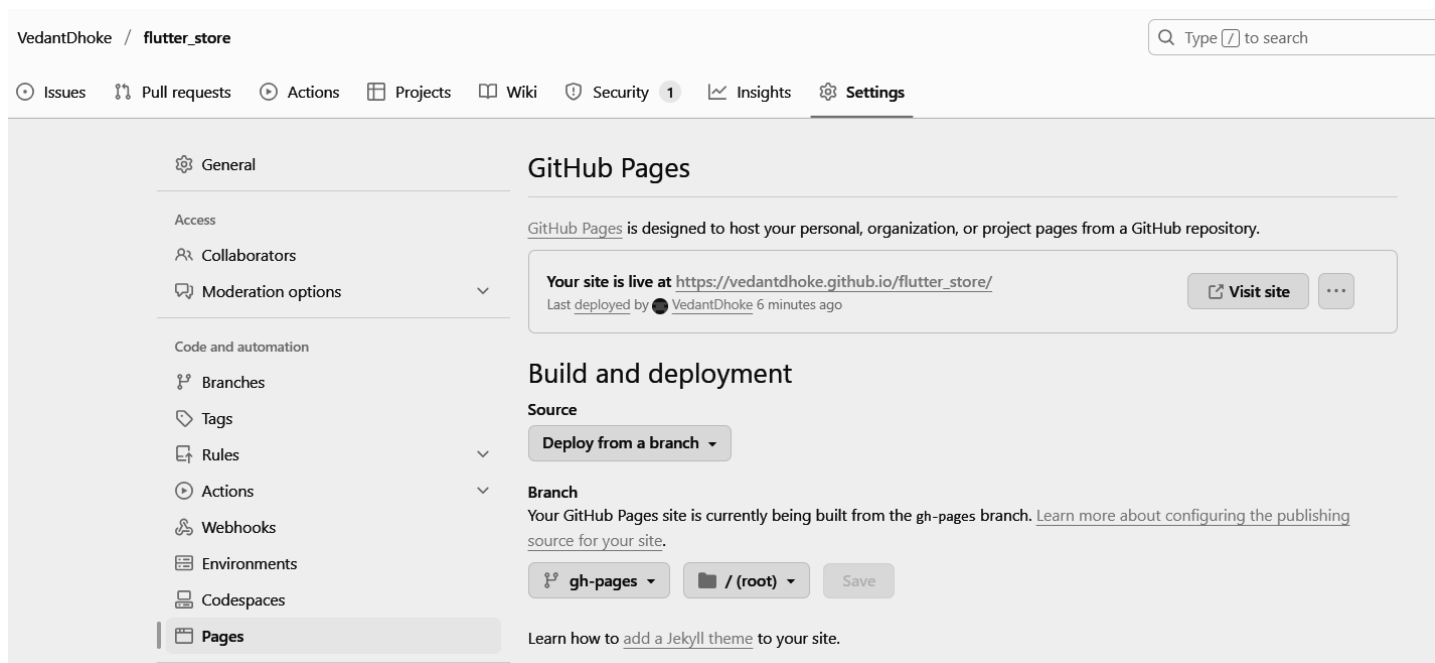
VedantDhoke / flutter_store

Type / to search

Issues   Pull requests   Actions   Projects   Wiki   Security 1   Insights   Settings

General

Access

Collaborators

Moderation options

Code and automation

Branches

Tags

Rules

Actions

Webhooks

Environments

Codespaces

Pages

GitHub Pages

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

Your site is live at https://vedantdhoke.github.io/flutter_store/
Last deployed by VedantDhoke 6 minutes ago

Visit site

Build and deployment

Source

Deploy from a branch ▾

Branch

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

gh-pages ▾   / (root) ▾   Save

Learn how to add a Jekyll theme to your site.

Conclusion:

This experiment helped us understand how to deploy a Flutter-based E-commerce PWA to GitHub Pages. GitHub Pages is an efficient and cost-effective option for hosting static sites, especially for projects already managed on GitHub. Compared to Firebase, GitHub Pages is simpler for static deployments but lacks real-time backend support. Our deployment was successful, and we verified that the application is live and accessible via the provided GitHub Pages link.