

St. Francis Institute of Technology, Mumbai-400 103
Department of Information Technology

A.Y. 2024-2025
Class: TE-ITA/B, Semester: VI
Subject: **MAD & PWA LAB**

Experiment – 10: Deployment of a PWA to GitHub Pages as a free SSL enabled static app hosting solution

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

2. Objectives: After study of this experiment, the student will be able to

- Test and Deploy PWA.

3. Outcomes: After study of this experiment, the student will be able to

- Analyse PWA Features and deploy it over app hosting solutions

4. Prerequisite: Github Account

5. Requirements: Visual Studio Code, Internet Connection, GitHub

6. Pre-Experiment Exercise:

Brief Theory:

- Before beginning to use GitHub Pages, you need two things:
 1. Static web content that you want to host.
 2. A GitHub repository to store the static web content that you would like to share.
- Serve the static content from the root folder of a specific branch. This branch is typically named *gh-pages* by convention.
- To check your project's configuration: Go to your GitHub repository, click on the settings tab, and scroll down to the GitHub Pages section. The branch should be configured to *gh-pages* and the folder set to */ (root)*.
- After GitHub Actions has finished executing, it may take a few minutes for your content to be publicly visible. Wait a few minutes and then navigate to the URL: <https://{username}.github.io/{repositoryname}>.

7. Laboratory Exercise

A. Result/Observation

1. Screenshots of your PWA pushed on Git Hub

8. Post-Experimental Exercise

A. Questions:

1. Write the detailed steps to host a PWA to Github pages.

B. Conclusion:

1. Write what you have learnt in the experiment.

C. References:

1. <https://www.pluralsight.com/guides/how-to-host-your-static-webpages-on-github-pages>
2. Building Progressive Web Apps, O'Reilly 2017.

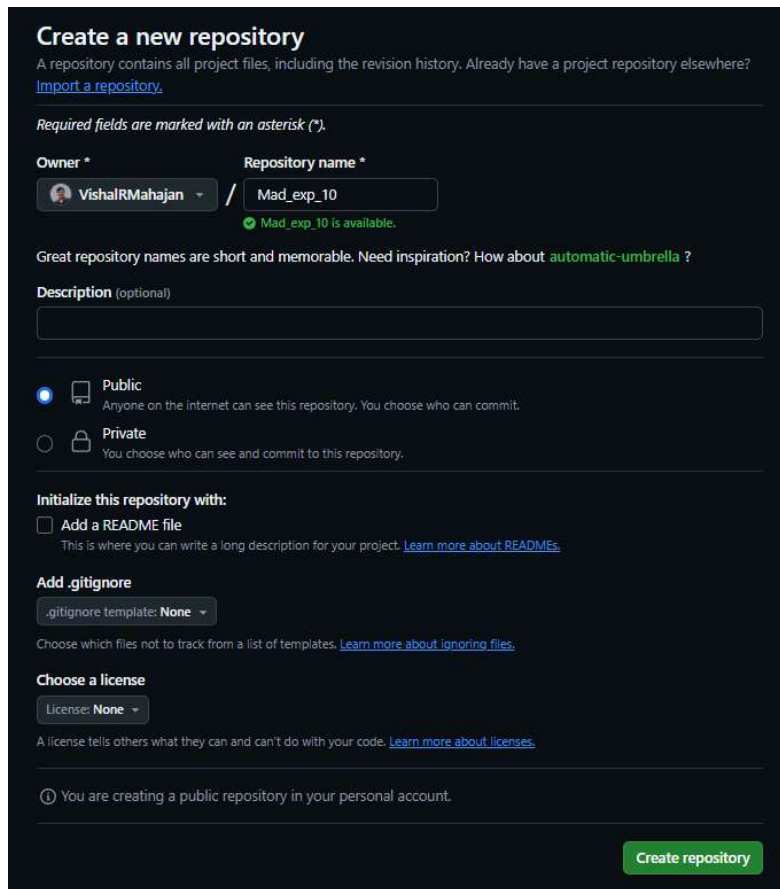
Name: Vishal Rajesh Mahajan

Class: TE IT A

MAD EXP 10

Roll No: 56

1. Creating new repository on GitHub



Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Required fields are marked with an asterisk (*).

Owner * VishalRMahajan / Repository name * Mad_exp_10
Mad_exp_10 is available.

Great repository names are short and memorable. Need inspiration? How about [automatic-umbrella](#)?

Description (optional)

☒ Public
Anyone on the internet can see this repository. You choose who can commit.

☐ Private
You choose who can see and commit to this repository.

Initialize this repository with:

☐ Add a README file
This is where you can write a long description for your project. [Learn more about READMEs.](#)

Add .gitignore
.gitignore template: None

Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)

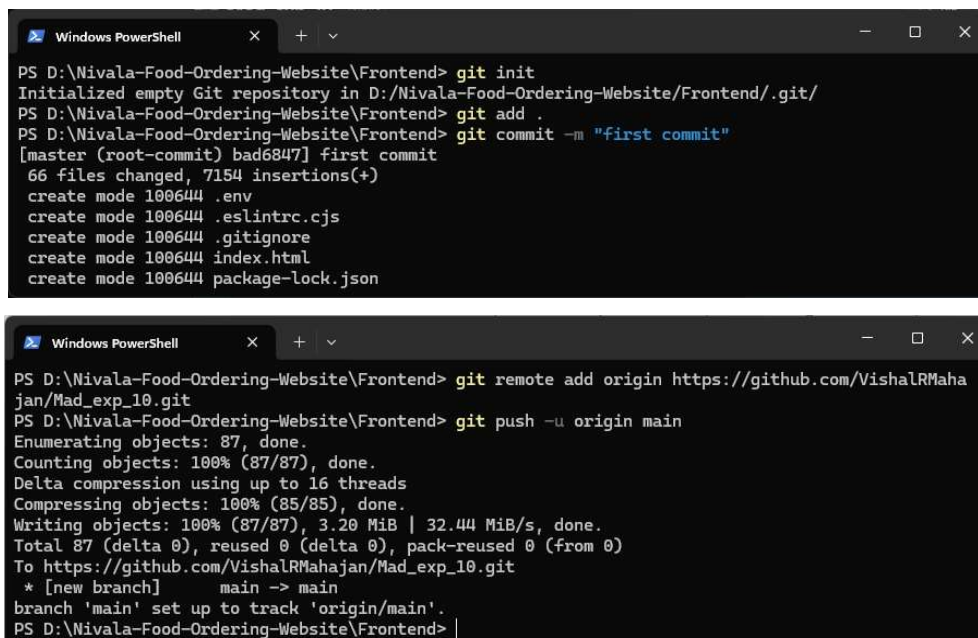
Choose a license
License: None

A license tells others what they can and can't do with your code. [Learn more about licenses.](#)

? You are creating a public repository in your personal account.

[Create repository](#)

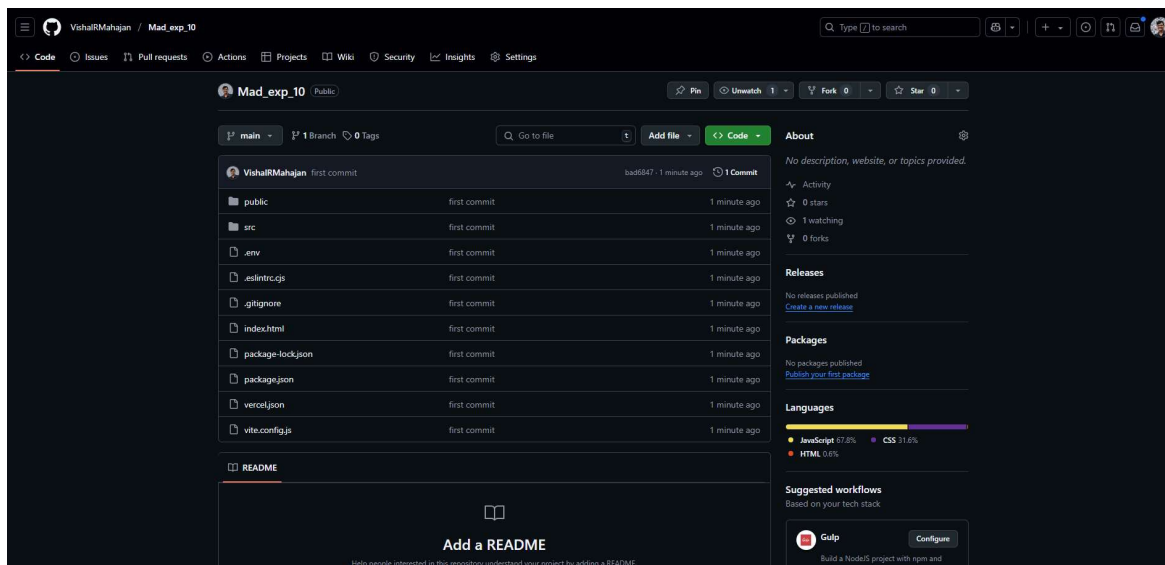
2. Pushing all the files on the repository:



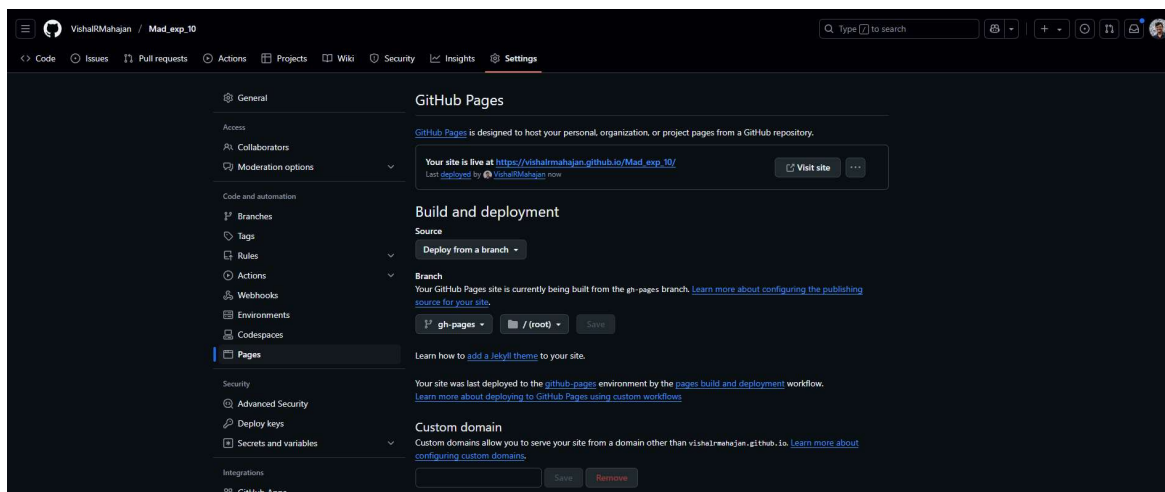
```
PS D:\Nivala-Food-Ordering-Website\Frontend> git init
Initialized empty Git repository in D:\Nivala-Food-Ordering-Website\Frontend\.git/
PS D:\Nivala-Food-Ordering-Website\Frontend> git add .
PS D:\Nivala-Food-Ordering-Website\Frontend> git commit -m "first commit"
[master (root-commit) bad6847] first commit
66 files changed, 7154 insertions(+)
create mode 100644 .env
create mode 100644 .eslintrc.cjs
create mode 100644 .gitignore
create mode 100644 index.html
create mode 100644 package-lock.json

PS D:\Nivala-Food-Ordering-Website\Frontend> git remote add origin https://github.com/VishalRMahajan/Mad_exp_10.git
PS D:\Nivala-Food-Ordering-Website\Frontend> git push -u origin main
Enumerating objects: 87, done.
Counting objects: 100% (87/87), done.
Delta compression using up to 16 threads
Compressing objects: 100% (85/85), done.
Writing objects: 100% (87/87), 3.20 MiB | 32.44 MiB/s, done.
Total 87 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/VishalRMahajan/Mad_exp_10.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
PS D:\Nivala-Food-Ordering-Website\Frontend>
```

3. Viewing the pushed files in GitHub:



4. Using GitHub pages to deploy the project:



5. Visiting pages after the project has been deployed:



Explore Menu

Our menu offers a rich exploration of India's diverse curry heritage, with dishes representing the unique flavors of each state. From the vibrant, spice-laden curries of the South to the hearty, comforting dishes of the North, you can explore a personalized meal by mixing and matching items *en famille*, and discover the roots of each dish to your taste buds and satiate your craving.

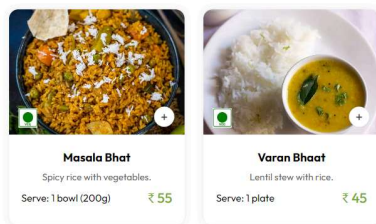
North, you can create a personalized meal by mixing and matching your favorite items. Choose from an array of regional specialties, sides, and desserts to craft a meal that suits your taste and satisfies your cravings.

How to Order

Each item on our menu is **priced per serve**, ensuring you know exactly what you're getting with every order. A **single serve** is designed to be part of a complete meal, allowing you to combine dishes like a main curry, bread, and dessert to create a full, satisfying experience. Prices are clearly listed so you can enjoy the convenience of customizing your meal while staying within your budget.



Customize Your Meal Box



Available Offers

Check out our latest discounts and deals!

