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A.Y. 2021-2022
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:

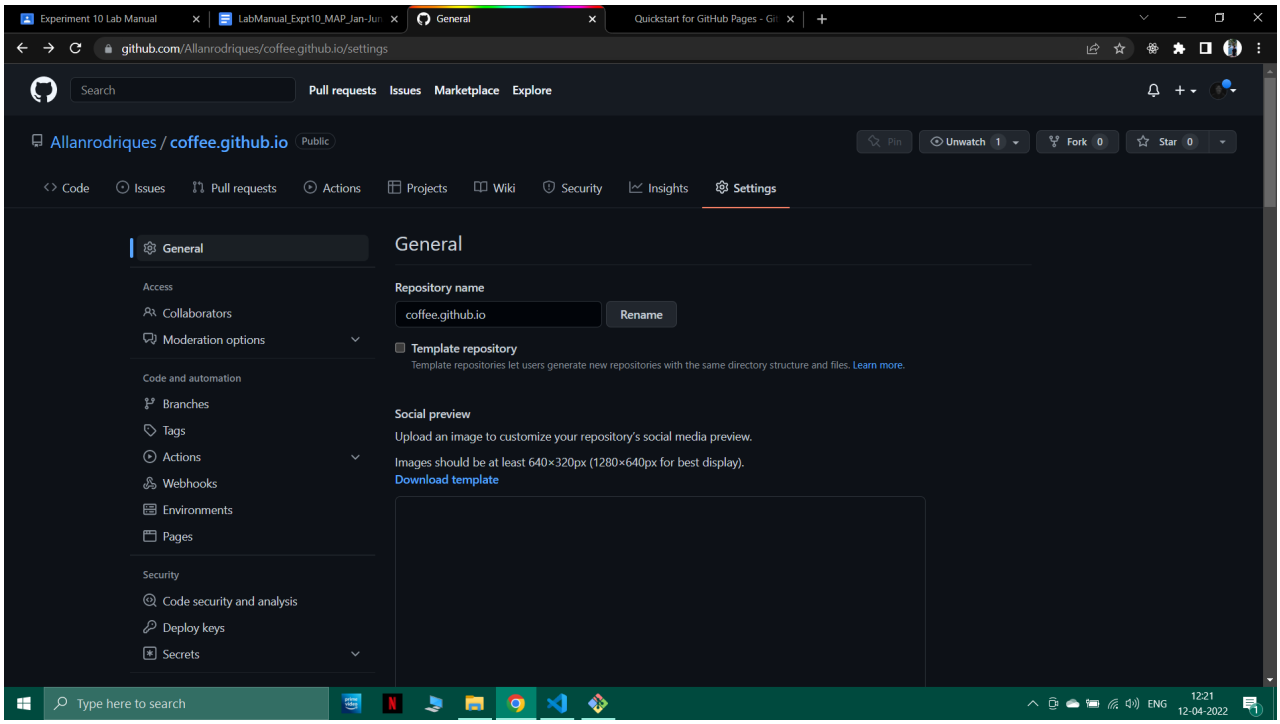
- Before beginning to use GitHub Pages, you need two things:
  1. Static web content that you want to host.
  2. A GitHub repository to store the static web content that you would like to share. ● Serve the static content from the root folder of a specific branch. This branch is typically named *gh-pages* 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

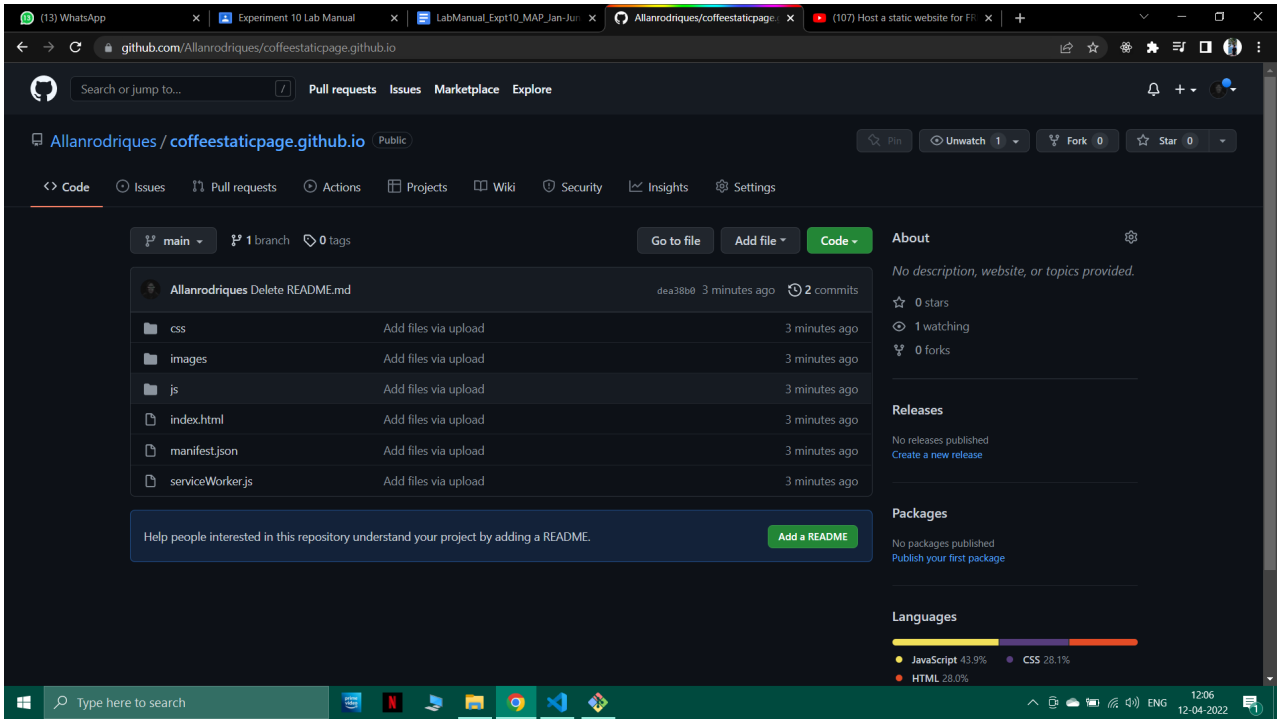
publicly visible. Wait a few minutes and then navigate to the URL: https://{username}.github.io/{repositoryname}.

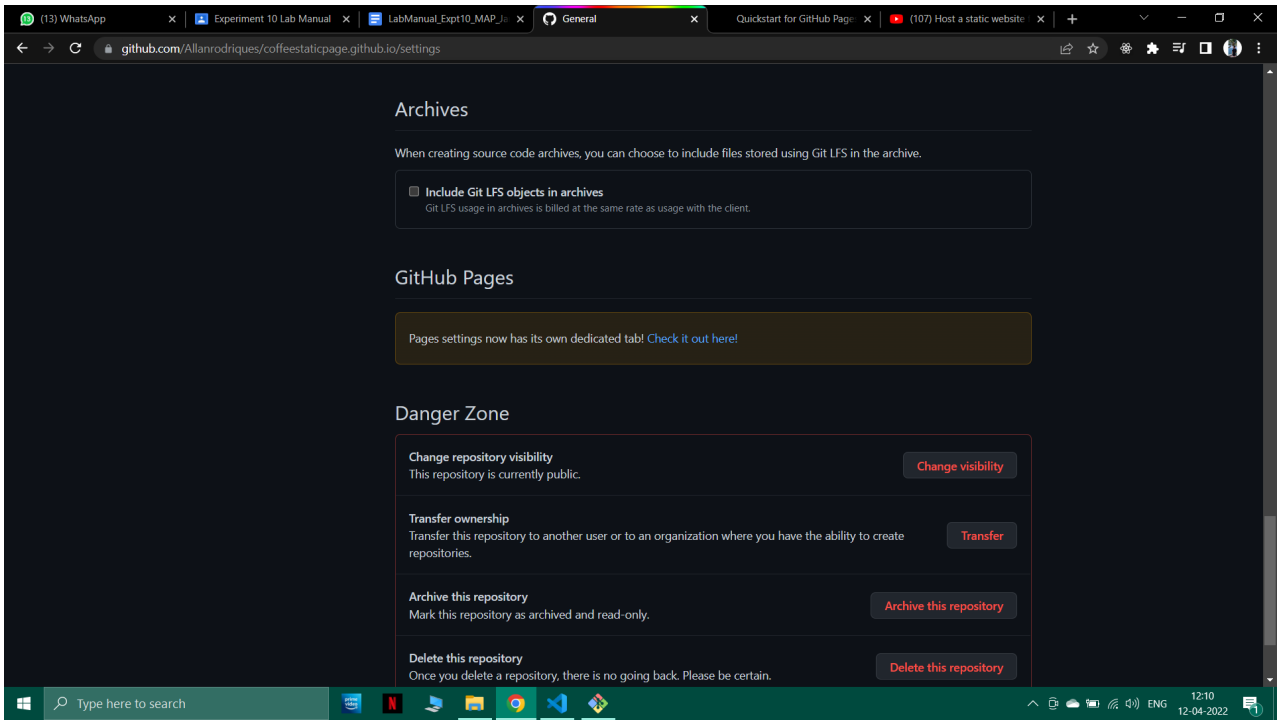
7. Laboratory Exercise

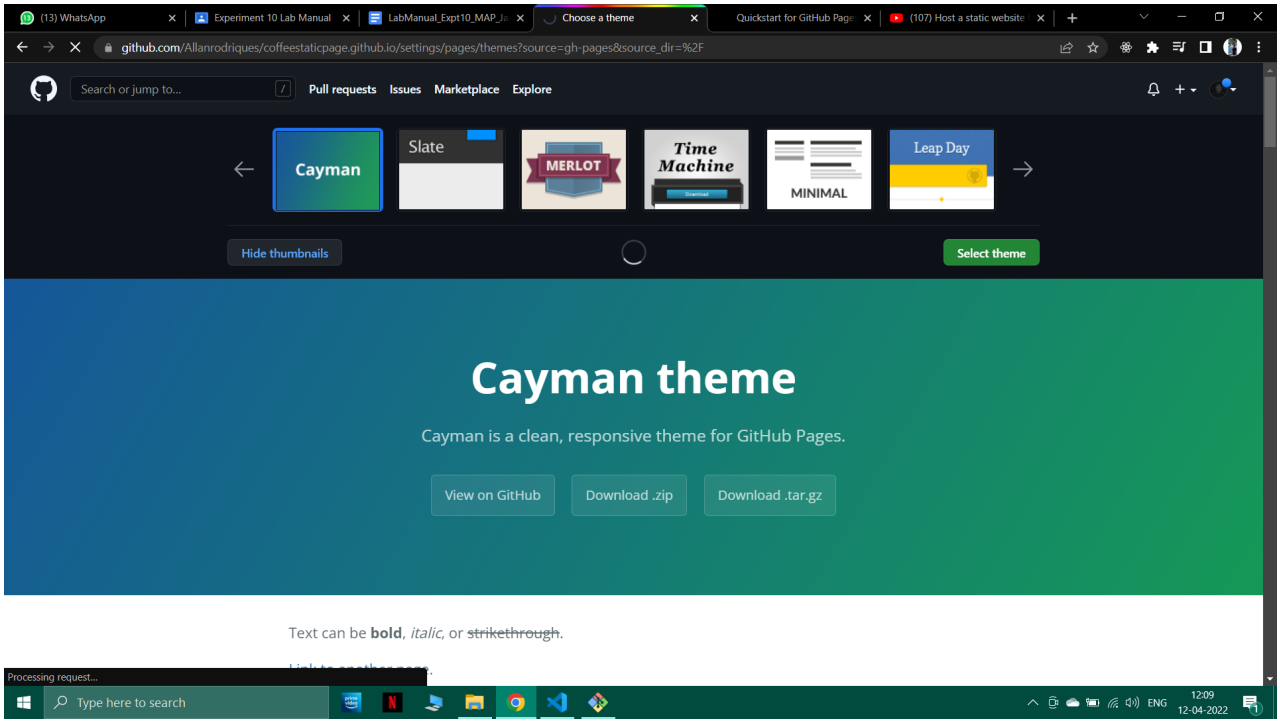
A. Result/Observation

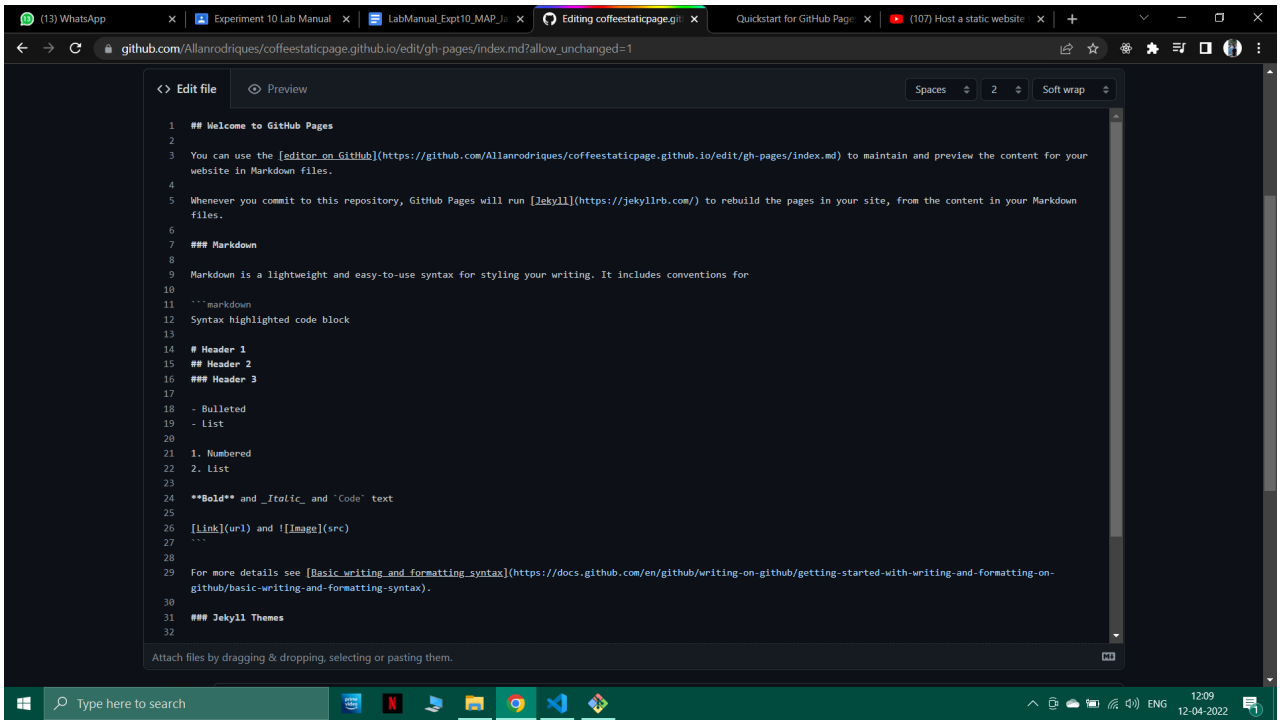
1. Screenshots of your PWA pushed on Git Hub

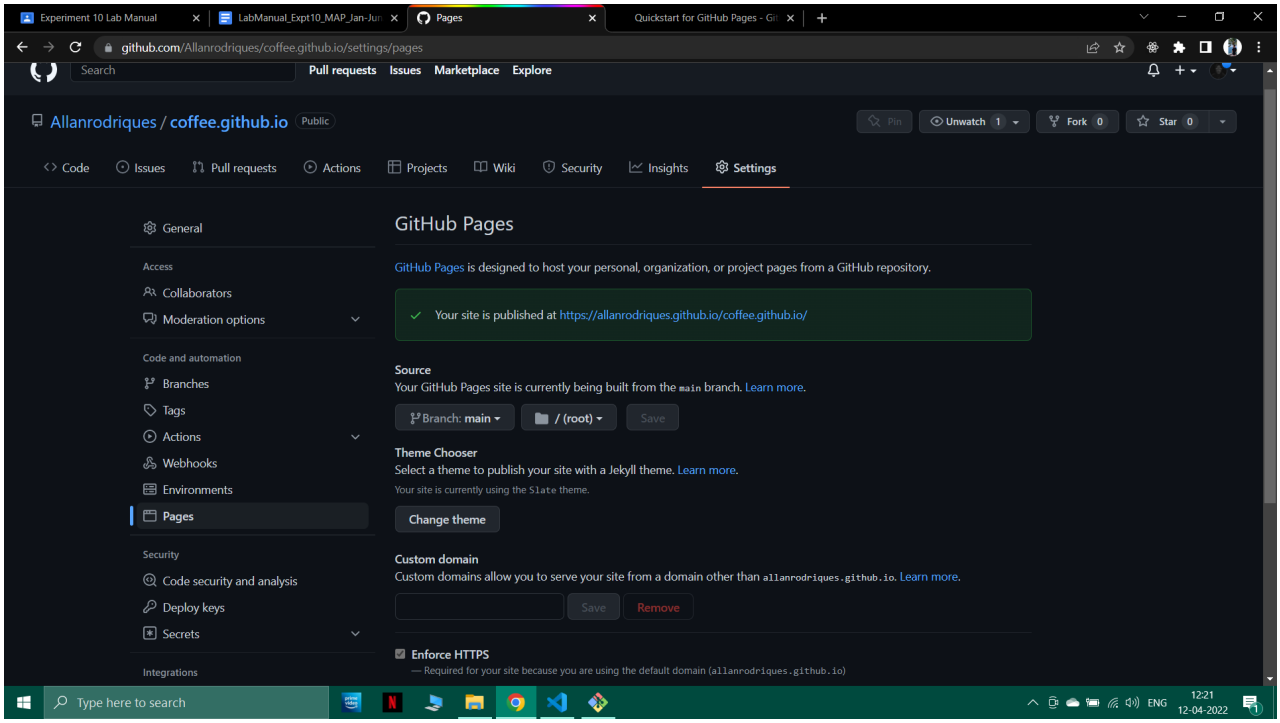


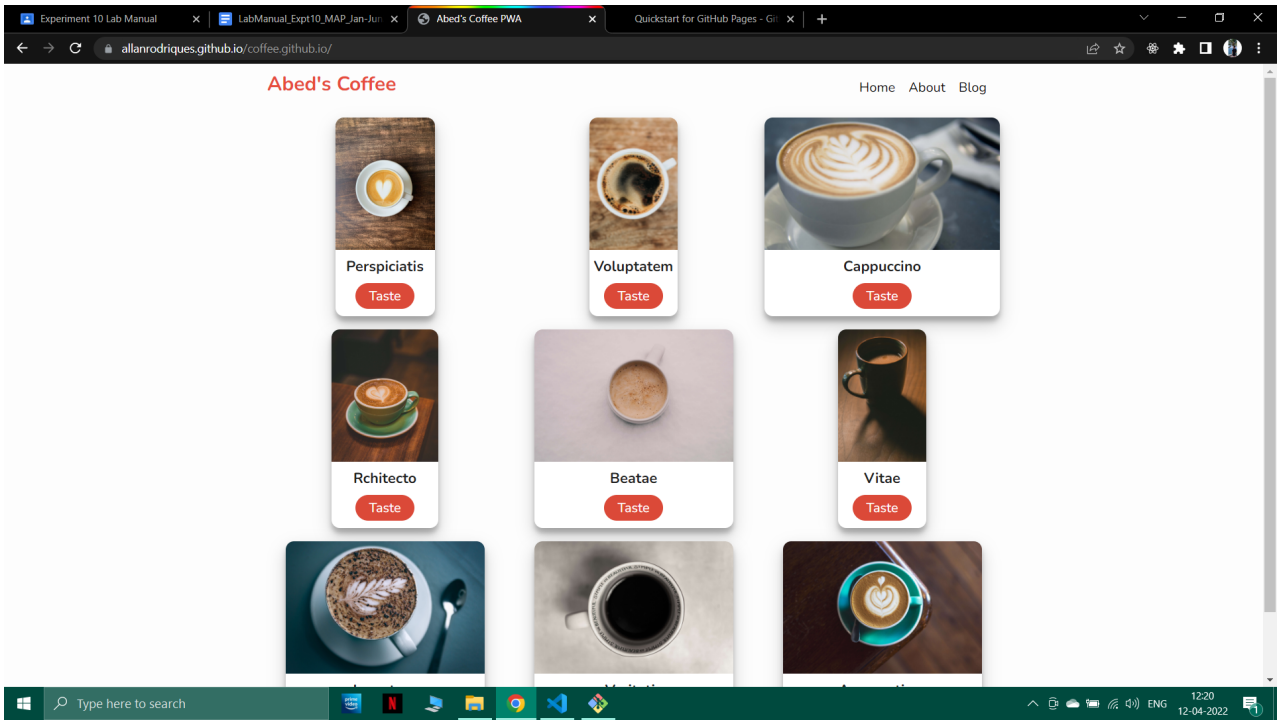

(13) WhatsApp
Experiment 10 Lab Manual
LabManual_Expt10_MAP_Jan-Jun
Allanrodriques/coffeestaticpage
(107) Host a static website for FR
github.com/Allanrodriques/coffeestaticpage.github.io
Search or jump to...
Pull requests
Issues
Marketplace
Explore
Allanrodriques / coffeestaticpage.github.io
Public
Pin
Unwatch 1
Fork 0
Star 0
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
main
1 branch
0 tags
Go to file
Add file
Code
Allanrodriques Delete README.md
dea38b0 3 minutes ago
2 commits
css Add files via upload 3 minutes ago
images Add files via upload 3 minutes ago
js Add files via upload 3 minutes ago
index.html Add files via upload 3 minutes ago
manifest.json Add files via upload 3 minutes ago
serviceWorker.js Add files via upload 3 minutes ago
Help people interested in this repository understand your project by adding a README.
Add a README
About
No description, website, or topics provided.
0 stars
1 watching
0 forks
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package
Languages
JavaScript 43.9%
CSS 28.1%
HTML 28.0%
Type here to search
ENG
12:06
12-04-2022


(13) WhatsApp
Experiment 10 Lab Manual
LabManual_Expt10_MAP_Ja
General
Quickstart for GitHub Page
(107) Host a static website
github.com/Allanrodriques/coffeestaticpage.github.io/settings
Archives
When creating source code archives, you can choose to include files stored using Git LFS in the archive.
Include Git LFS objects in archives
Git LFS usage in archives is billed at the same rate as usage with the client.
GitHub Pages
Pages settings now has its own dedicated tab! Check it out here!
Danger Zone
Change repository visibility
This repository is currently public.
Change visibility
Transfer ownership
Transfer this repository to another user or to an organization where you have the ability to create repositories.
Transfer
Archive this repository
Mark this repository as archived and read-only.
Archive this repository
Delete this repository
Once you delete a repository, there is no going back. Please be certain.
Delete this repository
Type here to search
ENG
12:10
12-04-2022


(13) WhatsApp
Experiment 10 Lab Manual
LabManual_Expt10_MAP_Ja
Choose a theme
Quickstart for GitHub Page
(107) Host a static website
github.com/Allanrodriques/coffeestaticpage.github.io/settings/pages/themes?source=gh-pages&source_dir=%2F
Search or jump to...
Pull requests
Issues
Marketplace
Explore
Cayman
Slate
MERLOT
Time Machine
MINIMAL
Leap Day
Hide thumbnails
Select theme
Cayman theme
Cayman is a clean, responsive theme for GitHub Pages.
View on GitHub
Download .zip
Download .tar.gz
Text can be bold, italic, or strikethrough.
Processing request...
Type here to search
ENG
12:09
12-04-2022


(13) WhatsApp
Experiment 10 Lab Manual
LabManual_Expt10_MAP_Ja
Editing coffeestaticpage.gi
Quickstart for GitHub Page
(107) Host a static website
github.com/Allanrodriques/coffeestaticpage.github.io/edit/gh-pages/index.md?allow_unchanged=1
Edit file
Preview
Spaces
2
Soft wrap
Welcome to GitHub Pages
You can use the [editor on GitHub](https://github.com/Allanrodriques/coffeestaticpage.github.io/edit/gh-pages/index.md) to maintain and preview the content for your website in Markdown files.
Whenever you commit to this repository, GitHub Pages will run [Jekyll](https://jekyllrb.com/) to rebuild the pages in your site, from the content in your Markdown files.
Markdown
Markdown is a lightweight and easy-to-use syntax for styling your writing. It includes conventions for
```markdown
Syntax highlighted code block
# Header 1
## Header 2
### Header 3
- Bulleted
- List
1. Numbered
2. List
**Bold** and _Italic_ and `Code` text
[Link](url) and ![Image](src)
```
For more details see [Basic writing and formatting syntax](https://docs.github.com/en/github/writing-on-github/getting-started-with-writing-and-formatting-on-github/basic-writing-and-formatting-syntax).
Jekyll Themes
Attach files by dragging & dropping, selecting or pasting them.
Type here to search
ENG
12:09
12-04-2022





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.