TECHNICAL DOCUMENTATION GE02

DJANGO PORTFOLIO SETUP

Table of Contents

📄 GE02_Tech_Documentation_KAJA

RESOURCES

GITHUB REPOSITORY FROM LOCAL FOLDER

https://docs.github.com/en/migrations/importing-source-code/using-the-command-line-to-import-source-code/adding-locally-hosted-code-to-github

- GitHub documentation that talks about adding existing source code that is stored locally on the computer to a remote repository.
- Has a section that demonstrates how to transform a local directory into a Git repository and how to add it to GitHub.
- Includes a step by step example and the specific commands needed to do the task.

Team members used this to figure out how to add local files directly to GitHub.

MERGING UNRELATED HISTORIES ERROR

https://timmousk.com/blog/git-refusing-to-merge-unrelated-histories/

- A blog created by a professional developer that goes into detail about an error that could occur when merging two project branches without a common base.
- Goes into detail about why this error occurs and how to fix it.
- Provides specific commands.

We used this to help resolve an issue when pushing a local directory to GitHub.

GIT COMMANDS

https://education.github.com/git-cheat-sheet-education.pdf

- Github produced a git command cheat sheet.
- Includes git command syntax and one sentence overview for accomplishing basic tasks including set up, configurations, pushing, merging, and analyzing.
- Does not include in depth analysis or options.

Team used this resource for command and syntax help.

PYTHON VIRTUAL ENVIRONMENT
https://packaging.python.org/en/latest/guides/installing-using-pip-and-virtual-environments/#creating-a-virtual-environment

- Python website about using a virtual environment.
- Its uses of virtual environment and brief instructions of setting up
- Details package installation and uses from multiple sources

Team used this for help creating/understanding python virtual environments.

HOW TO

ACTIVATING VIRTUAL ENVIRONMENT
djvenv\Scripts\activate

Note: Command will only work if in the directory with the 'djvenv' folder

---

MOVING FILES
move <folder_name> <destination>

Note: Command will only work if in the directory with the 'djvenv' folder

---

Removing Directories
rmdir /s /q <directory_name>

Note: The '/s' deletes a directory tree and '/q' means to delete in quiet mode

---

CONVERT LOCAL DIRECTORY TO GIT REPOSITORY

git init -b main

Note: Do this command in the directory you want as the main branch

---

ADD REMOTE REPOSITORY

git remote add origin <URL Of Remote Repository>

MERGE

git checkout <branch merging to>; git merge <branch merging from>; git push

Note: Merging is for updating versions of the same file located in separate branches, not separate files. Make sure versions have the same file name in each branch.

TAG

git tag -a <tag name> -m '<tag description>"; git tag; git push origin <tag name>

ISSUE RESOLUTION

UNRELATED HISTORIES

Issue: Unable to push local repository to GitHub

Cause: If accidently created a remote repository with a file in it.

Solution: git pull origin main —allow-unrelated-histories. Now, when going through the steps of adding files to the staging area, committing, and pushing, it should be successful.

Error Message:

```
$ git push --set-upstream origin main
To https://github.com/AndrewDPC/ErrorRepository.git
 ! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'https://github.com/AndrewDPC/ErrorRepository
.git'
hint: Updates were rejected because the remote contains work that you do not
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
```

FOLDER CONTENT

Issue: Unable to start up and run the server displaying the website properly.

Cause: Visual Studio Code created another folder containing Python formatting settings, somehow preventing the server from running.

Solution: Deleted the folder, website displayed like normal.

Error Message:

`ModuleNotFoundError: No module named 'portfolio_app'`