

Web Development

(Class - 41)

Last Lecture Review



- Version Control
- 2. Introduction to Git
- 3. Git Installation
- 4. Concept of Repositories
- 5. Understanding basic Git commands (Working with Local Repositories)
- 6. Tracking Code History
- 7. Ignore Tracking
- 8. Concept of Branch
- 9. Git Branches



What Will You Learn Today?



Table of Content

- Introduction to GitHub
- 2. Setup and Commands
- 3. ReadMe Markdown
- 4. FREE Website Host
- 5. Collaboration / Teamwork





Front-End



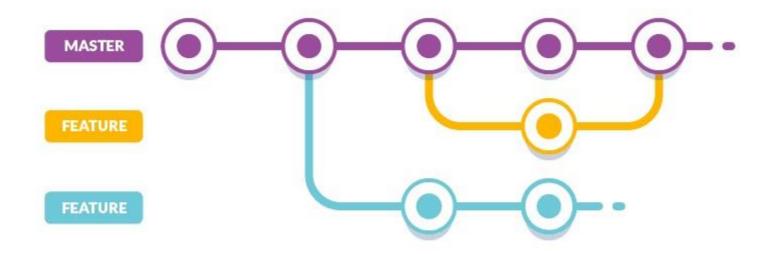












Version Control

Version Control



It's a system that records changes to a file or set of files over time so that you can recall specific versions later. It is an essential tool for managing projects that involve multiple contributors, track changes and ensure the integrity and consistency of project files.

OFFLINE

ONLINE







() GitHub

GitHub



GitHub is a web-based platform used for version control and collaboration on software projects. It allows developers to store, manage, and track changes to their codebase.

There are 4 phases for Online Version Control

- 1. Working (Tree) Directory
- 2. Staging Area (Index)
- 3. Commit (Local Repository)
- 4. GitHub (Online Repository)





GitHub Setup & Commands



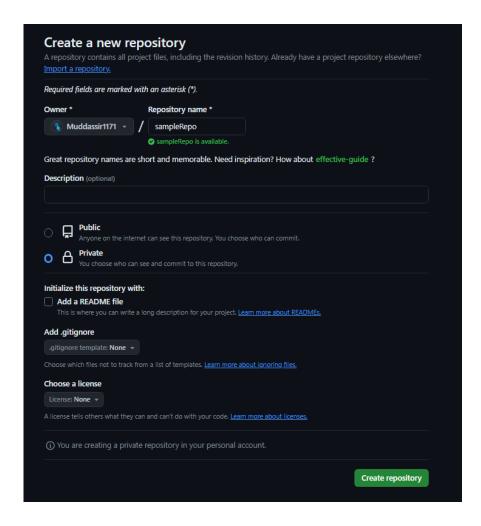
- Create GitHub Account https://github.com/
- 2. Create Repository
- 3. Remote add (connect) your repository
- 4. Connect upstream (first time) and Push to origin

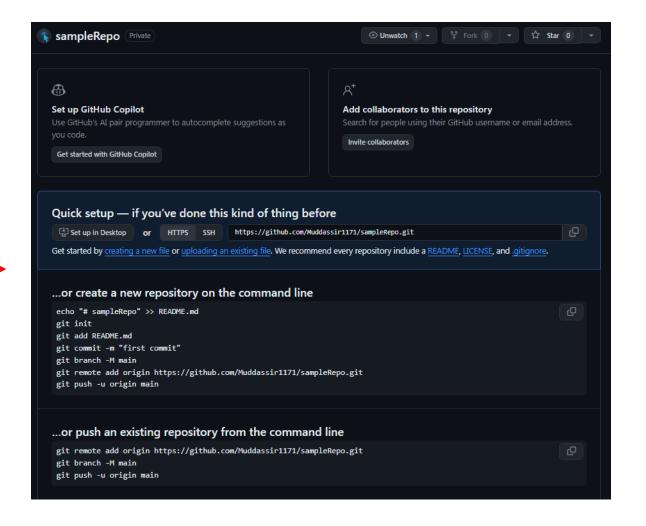
Command	Purpose	
git remote add origin <url></url>	Connect with remote git	
git remote set-url origin	Reset to new Origin	
git push -u origin <branchname></branchname>	Upstream push to origin of main branch	
git push	Pushes committed changes to a remote repository on GitHub.	
git push origin [branch-name]	Pushes changes to a specific branch of the remote repository.	
git pull	Pulls changes from a remote repository to your local repository	
git pull origin [branch-name]	Pulls changes from a specific branch of the remote repository.	
git clone <url></url>	Clones an existing repository from a remote URL to your local machine.	Contract



GitHub Repository Example







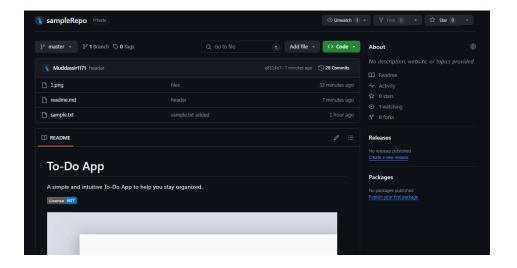


GitHub Add Origin Example



(GitHub

git remote add origin https://github.com/Muddassir1171/sampleRepo.git



GitHub Clone Example

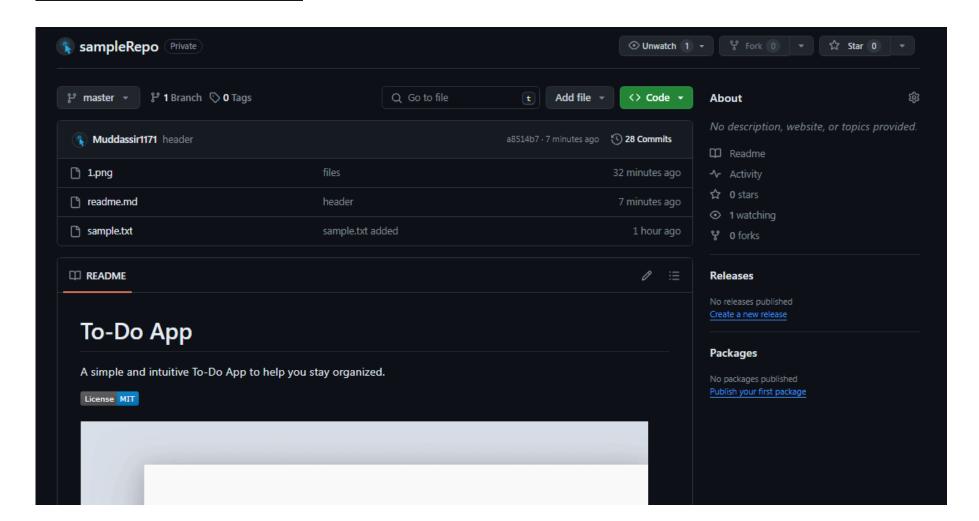


GitHub Push to Origin Example



Push to Origin <Branch Name>

git push -u origin master





ReadMe Markdown



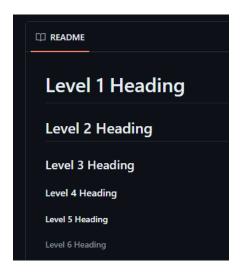
Markdown is a lightweight markup language with plain-text formatting syntax. It's often used for formatting README files on GitHub because it's easy to read and write.

Section	Description
Headers	Use # for headers
Emphasis	Use * or _ for italic, ** or for bold
Lists	Use *, -, or 1., 2. for unordered/ordered
Links	Use [text](URL) for links
Images	Use ![Alt text](image.jpg) for images
Code Blocks	Use triple backticks for code blocks
Quotes	Use > for block quotes
Horizontal Rule	Use or for a horizontal rule
Tables	Use hyphens for headers and pipes for columns
Task Lists	Use - [] for incomplete, - [x] for complete



ReadMe Markdown – Headers - Example

```
SKILLS
SKYAROOS
```



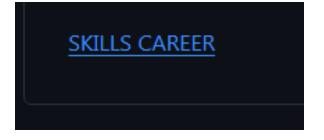
ReadMe Markdown – Emphasis - Example

```
8 *italic text*
9 **bold text**
```

ReadMe Markdown - Links - Example

```
17 [SKILLS CAREER](https://skills-career.com/)
```

italic text bold text





ReadMe Markdown – Lists - Example



```
11 - Item 1
12 - Item 2
13
14 1. First item
15 2. Second item
```

ReadMe Markdown – Images - Example

```
20 ![Alt SKILLS Login Page](1.png)
```

- Item 1
- Item 2
- 1. First item
- 2. Second item

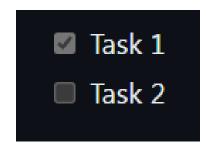




ReadMe Markdown – Task Lists - Example



```
37 - [x] Task 1
38 - [] Task 2
39
```



ReadMe Markdown - Code Blocks - Example

```
23 ```JavaScript
24 console.log("Hello, World!")
25 ```
```



ReadMe Markdown – Horizontal Rule - Example







ReadMe Markdown – Quotes - Example

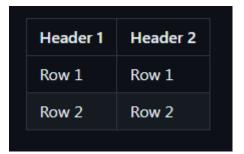


27 > This is a block quote.

This is a block quote.

ReadMe Markdown – Tables- Example

31	Header 1 Header 2
32	
33	Row 1 Row 1
34	Row 2 Row 2
2 5	

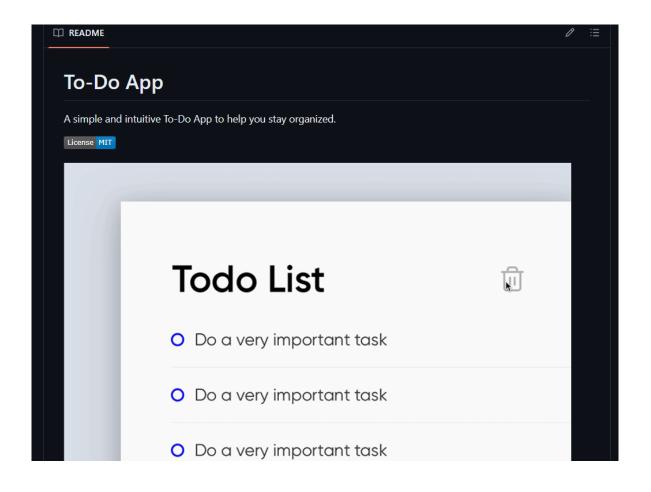




Class Activity



Make this ReadMe Markdown: https://github.com/Muddassir1171/sampleTest















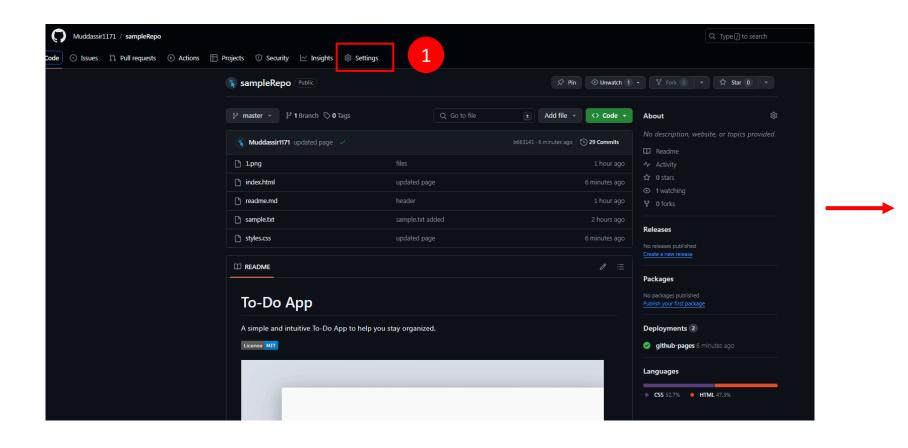
Follow these steps

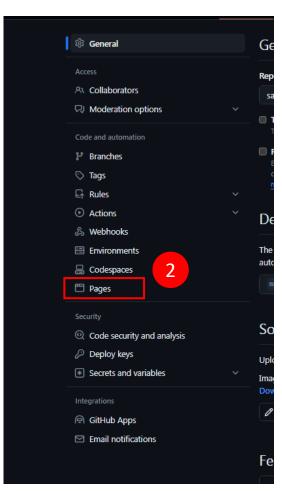
- 1. Go to repository setting
- 2. Go to Code and Automation Section and Select Pages
- 3. Select Branch

Note: After some wait hosted website link will be appears. It will update website content if there is any change in repository



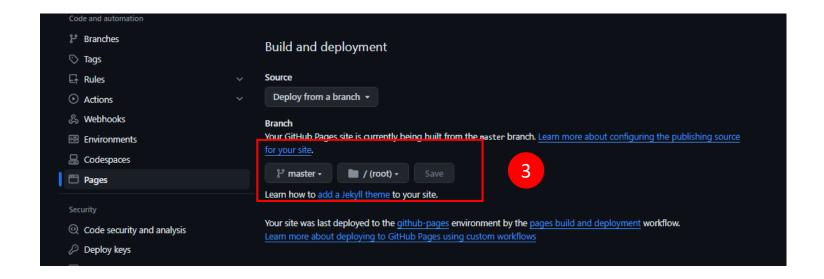


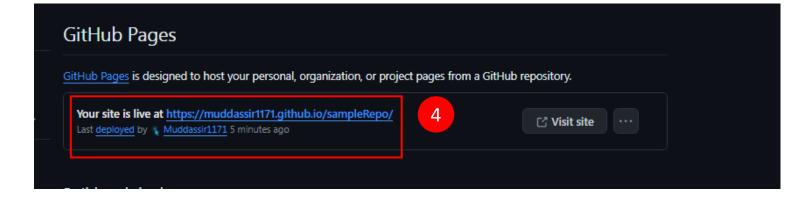






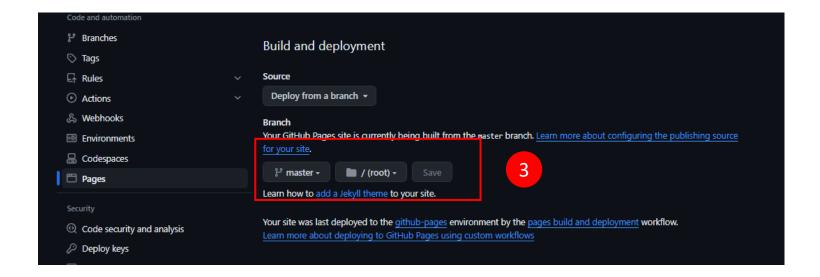


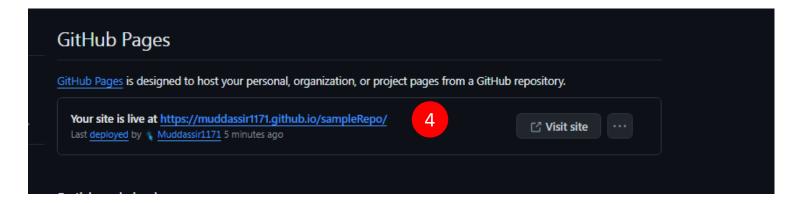












Current Repo Link

https://muddassir1171.github.io/sampleRepo/

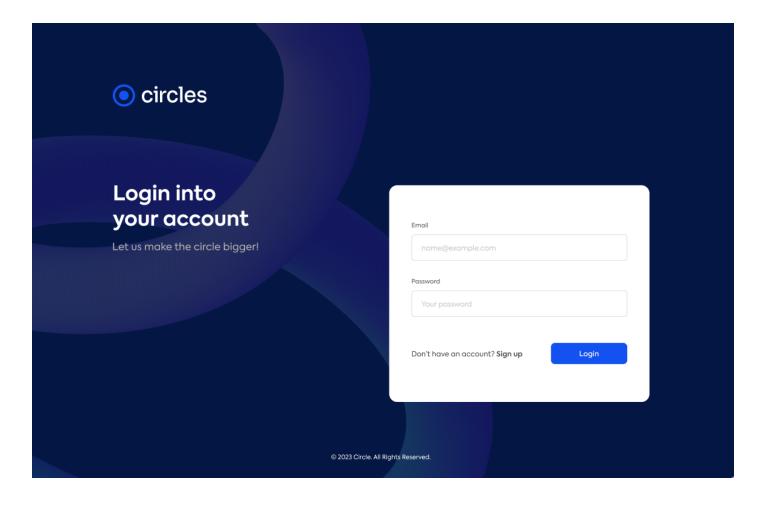


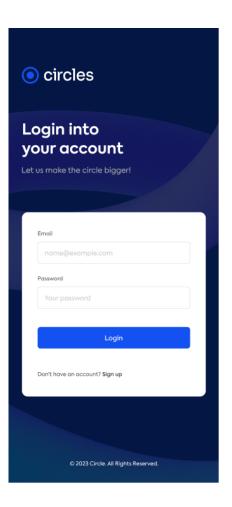
Class Activity



Make this design and Host it

https://www.figma.com/file/3aNT9BgKmOAXi7RBYPxrwK/Responsive-Login-screen-(Community)?type=design&node-id=0-1&mode=design





Recap

SKILLS SKYAROOS

- 1. Introduction to GitHub
- 2. Setup and Commands
- 3. ReadMe Markdown
- 4. FREE Website Host
- Collaboration / Teamwork







