

Day 3 : 11 Oct 2024 CB FSD - Planning and UI Design

Creating token in github, which help us to clone as well as connecting local to remote repository.

1. git clone URL

git clone

https://token@github.com/Kaleakash/caltech_test_repository.git

steps to create the token

right corner in git hub account -> setting → developer setting →

Personal access token → token (classic) → generate new token
classic →

Note

caltech_batch_token

What's this token for?

Expiration *

No expiration

The token will never expire!

GitHub strongly recommends that you set an expiration date for your token to help keep your information secure.
[Learn more](#)

Select scopes

Scopes define the access for personal tokens. [Read more about OAuth scopes.](#)

☒ repo

Full control of private repositories

☒ repo:status

Access commit status

☒ repo_deployment

Access deployment status

☒ public_repo

Access public repositories

☒ repo:invite

Access repository invitations

☒ security_events

Read and write security events

☐ workflow

Update GitHub Action workflows

☒ write:packages

Upload packages to GitHub Package Registry

☒ read:packages

Download packages from GitHub Package Registry

☒ delete:packages

Delete packages from GitHub Package Registry

☒ admin:org

Full control of orgs and teams, read and write org projects

☒ write:org

Read and write org and team membership, read and write org projects

☒ read:org

Read org and team membership, read org projects

GitHub Apps

GitHub Apps

Personal access tokens

Personal access tokens (Beta)

Personal access tokens (classic)

Personal access tokens (classic)

Generate new token

Tokens you have generated that can be used to access the [GitHub API](#).

Make sure to copy your personal access token now. You won't be able to see it again!

ghp_PkeRtz4Lk3Ø7kwîPppjae6d1I4y5zR4IX5vu

Delete

my_aws_token — admin:org, delete:packages, repo, write:packages

Expired on Tue, Apr 30 2024.

Last used within the last 7 months

Delete

my-online-banking-token — admin:org, delete:packages, repo, write:packages

Expired on Fri, Apr 12 2024.

Last used within the last 7 months

Delete

mycourse4token — admin:org, delete:packages, repo, write:packages

This token has no expiration date

Last used within the last 8 months

Delete

git clone

clone other user or authors repository in our local machine or VM.

```
mkdir trainerrepository
```

```
cd trainerrepository
```

```
git clone https://github.com/Kaleakash/caltech\_test\_repository.git
```

this command is use to download the fresh repository in local or vm machine.

This command you need to execute inside repository folder.

`git pull` in existing other person repository pull new update present in remote repository.

open the terminal

```
mkdir demoapp
```

```
cd demoapp
```

this command is use to download fresh repository

```
git clone https://github.com/Kaleakash/caltech\_test\_repository.git
```

```
cd caltech_test_repository.git
```

then open vs code

```
code .
```

to get new updated in existing repository you need to run the command as

```
git pull
```

if you are planning to do any changes don't do in master/main branch

please create user defined branch

`git branch mybranch` ie mybranch user defined branch name

`git branch` to verify all branches present in local machine

`git checkout mybranch` this command is use to switch to user defined branch

then do some changes in user defined branch mean delete file, update file or create new file etc.

`git add .`

`git commit -m "done some changes"`

now switch to main branch

`git pull`

SDLC : Software Development Life cycle : SDLC is structured process used to design, develop and test high quality software.

Planning :

- Understand the project or application or app goal, scope, requirement and constraints.
- Cost, timeline and resources etc.

Requirement gathering and Analysis :

- Collect detailed software requirement from stakeholder.
- Document and analysis these requirement to ensure feasibility.

Design

- Convert these all requirement into **blueprint for the system** architecture. Flow chart OR UML
- Define database design (ER-Diagram) , user interface and software component.

Development

- Actual coding base upon the design using different language.
- Developer need to write the base upon standard design pattern.

Testing

- Test the software to identity the error and fix the bugs.
- Ensure that the software meet all functional as well as non functional requirement base upon client.

Deployment

- Release the software or application to the production environment.
- The software is installed and mode available for use.

Maintenance

- Monitor the software or hardware issue and provide the support.

- Handle update, patch and improvement. etc.

Agile