

# CSA1086 - Software Engineering

## GitHub Collaboration

### 1. Fork a repository from another person by using github

### Create a new fork


A *fork* is a copy of a repository. Forking a repository allows you to freely experiment with changes without affecting the original project.

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*Required fields are marked with an asterisk (\*).*


Owner \*

Repository name \*

 Vignesh-2605

 / 

JAVAA


 JAVAA is available.

By default, forks are named the same as their upstream repository. You can customize the name to distinguish it further.

**Description** (optional)

☒ Copy the `main` branch only

Contribute back to LAXMINARAYANAN-1405/DESIGIN-AND-ANALYSIS-OF-ALGORITHM by adding your own branch. [Learn more.](#)

 You are creating a fork in your personal account.

Create fork

### 2. Clone the forked repository into the local computer

```
Vignesh S@AIZEN MINGW64 ~/OneDrive/Documents/Vignesh S/Software Engineering (main)
$ git clone https://github.com/Vignesh-2605/JAVA.git
Cloning into 'JAVA'...
remote: Enumerating objects: 49, done.
remote: Counting objects: 100% (49/49), done.
remote: Compressing objects: 100% (48/48), done.
remote: Total 49 (delta 14), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (49/49), 476.10 KiB | 1.17 MiB/s, done.
Resolving deltas: 100% (14/14), done.
```

### 3. Move into the cloned repo folder

```
Vignesh S@AIZEN MINGW64 ~/OneDrive/Documents/Vignesh S/Software Engineering (main)
$ cd JAVA
```

### 4. Create a new branch

```
Vignesh S@AIZEN MINGW64 ~/OneDrive/Documents/Vignesh S/Software Engineering/JAVA (main)
$ git checkout -b branch1
Switched to a new branch 'branch1'
```

### 5. Add the file and commit it into the branch

```
Vignesh S@AIZEN MINGW64 ~/OneDrive/Documents/Vignesh S/Software Engineering/JAVA (branch1)
$ git add Javas.txt

Vignesh S@AIZEN MINGW64 ~/OneDrive/Documents/Vignesh S/Software Engineering/JAVA (branch1)
$ git commit -m "New java txt file"
[branch1 819c40e] New java txt file
1 file changed, 1 insertion(+)
create mode 100644 Javas.txt
```

## 6. Push the branch into the main and create a pull request

```
Vignesh S@AIZEN MINGW64 ~/OneDrive/Documents/Vignesh S/Software Engineering/JAVA (branch1)
$ git push origin branch1
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 297 bytes | 297.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'branch1' on GitHub by visiting:
remote:   https://github.com/Vignesh-2605/JAVA/pull/new/branch1
remote:
To https://github.com/Vignesh-2605/JAVA.git
 * [new branch]      branch1 -> branch1
```

## 7. Submit the pull request and ask the other person to accept and merge it

The screenshot shows a GitHub pull request page for a repository named 'JAVA'. The pull request is titled 'New java txt file #1' and is created by user 'Vignesh-2605'. It shows a comparison between the 'branch1' branch and the 'main' branch. The pull request is currently in the 'Draft' state. The page includes a conversation tab with a comment from 'Vignesh-2605' stating 'Just a new java txt file. Nothing more nothing less'. There are also sections for 'Checks', 'Files changed', 'Reviews', 'Assignees', 'Labels', 'Projects', 'Milestone', 'Development', and 'Notifications'. A 'Merge pull request' button is visible at the bottom. A 'First time contributor' banner is also present, encouraging the user to visit their community profile.

