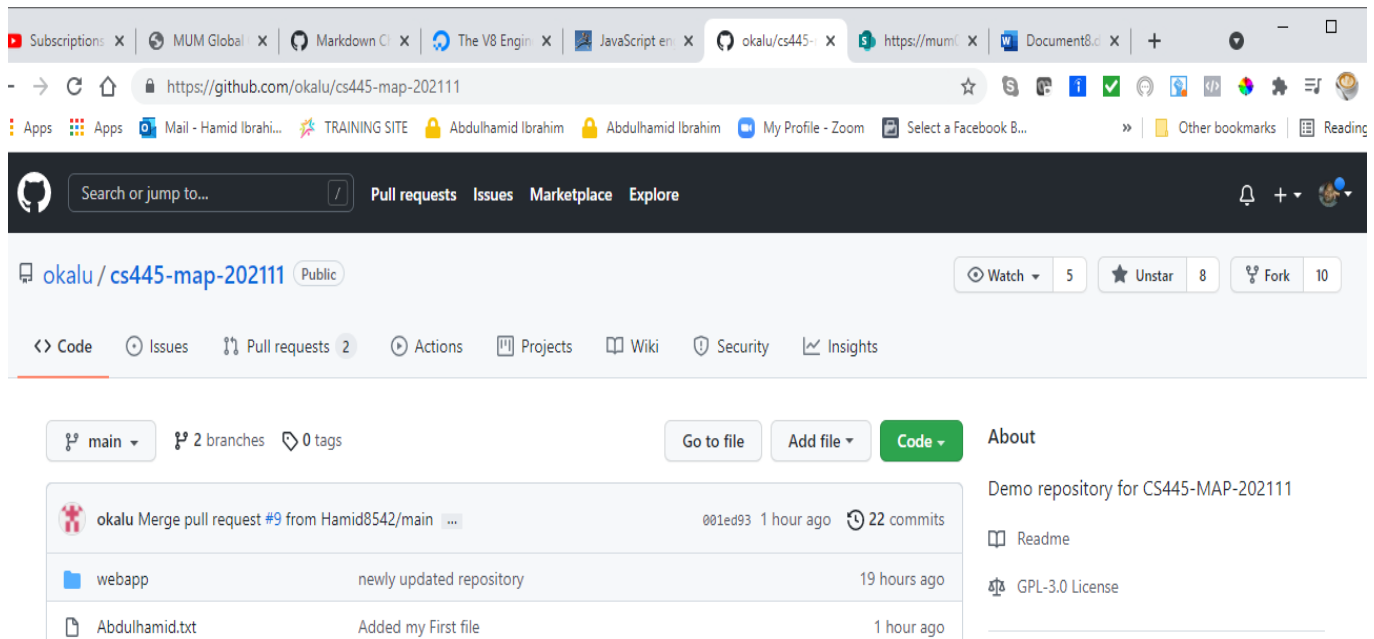


Practice with all the third party repositories commands from the slides:

Assume we are working with the following upstream remote repository:

`https://github.com/okalu/cs445-map-202111.git`

1. Star the repository

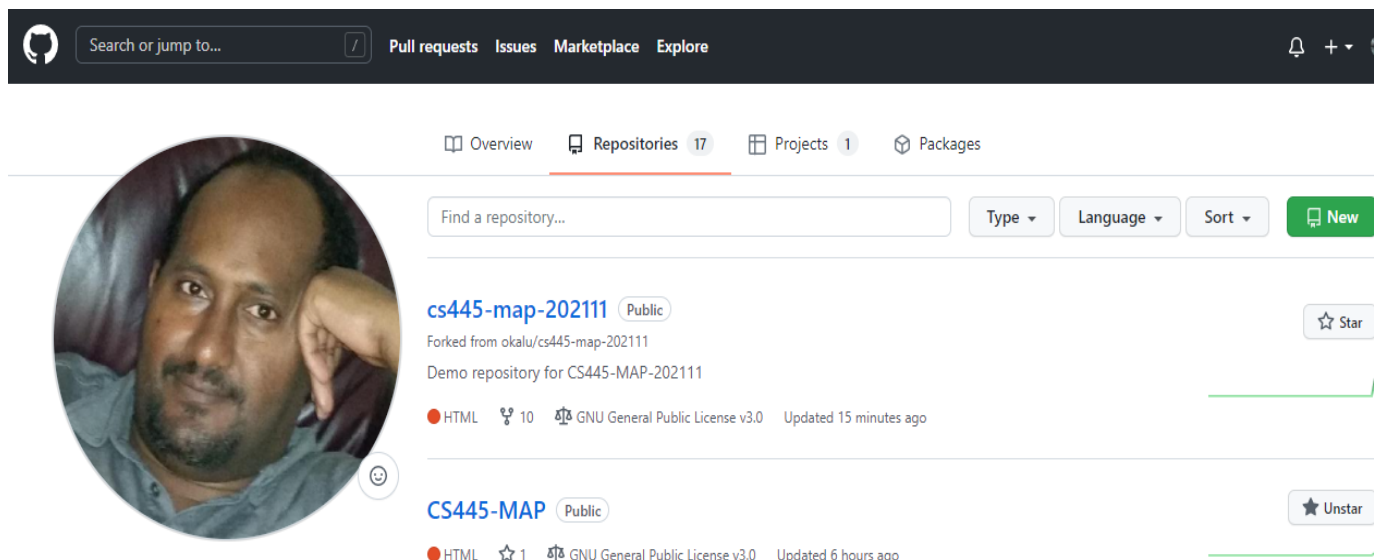


Star the repository is done!

2. Watch the repository for any changes

Sure I will

3. Fork the repository



Abdulhamid Ibrahim

Fork Your repository is also done

4. Clone your forked repository into your local machine

```
Administrator: Command Prompt

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2>git status
fatal: not a git repository (or any of the parent directories): .git

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2>git log
fatal: not a git repository (or any of the parent directories): .git

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2>git log
fatal: not a git repository (or any of the parent directories): .git

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2>dir
Volume in drive C is Windows
Volume Serial Number is 0EDF-FD28

Directory of C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2

10/27/2021  01:52 PM    <DIR>          .
10/27/2021  01:52 PM    <DIR>          ..
10/27/2021  09:26 AM    <DIR>          CS445-MAP
10/27/2021  02:56 PM    <DIR>          cs445-map-202111
               0 File(s)                0 bytes
               4 Dir(s)  822,890,885,120 bytes free

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2>
```

Clone remote repository done!

5. Create a new topic branch using the name, `yourStudentId-yourStudentName` format,
For example: 610001-JohnSmith

```
Administrator: Command Prompt

To https://github.com/Hamid8542/cs445-map-202111.git
0351ba9..ab1f226  main -> main

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>git branch 112178-AbdulhamidIbrahim

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>git branch
 112178-AbdulhamidIbrahim
* main

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>git checkout 112178-AbdulhamidIbrahim
Switched to branch '112178-AbdulhamidIbrahim'

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>git branch
* 112178-AbdulhamidIbrahim
  main

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>code .

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>git status
On branch 112178-AbdulhamidIbrahim
Untracked files:
  (use "git add <file>..." to include in what will be committed)
```

6. Checkout your new branch

7. Add a new file with your name, example: your-name.html or `hello.js`

```
Administrator: Command Prompt
Switched to branch '112178-AbdulhamidIbrahim'

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>git branch
* 112178-AbdulhamidIbrahim
  main

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>code .

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>git status
On branch 112178-AbdulhamidIbrahim
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Abdulhamid.html
        Abdulhamid.js

nothing added to commit but untracked files present (use "git add" to track)

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>git add .

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>git commit -m "Abdulhamid.h
tml and abdulhamid.js file was added"
[112178-AbdulhamidIbrahim 5be02e9] Abdulhamid.html and abdulhamid.js file was added
 2 files changed, 14 insertions(+)
 create mode 100644 Abdulhamid.html
```

8. Commit the changes

```
Administrator: Command Prompt
nothing added to commit but untracked files present (use "git add" to track)

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>git add .

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>git commit -m "Abdulhamid.h
tml and abdulhamid.js file was added"
[112178-AbdulhamidIbrahim 5be02e9] Abdulhamid.html and abdulhamid.js file was added
 2 files changed, 14 insertions(+)
 create mode 100644 Abdulhamid.html
 create mode 100644 Abdulhamid.js

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>gir checkout 112178-Abdulha
midIbrahim
'gir' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>git checkout 112178-Abdulh
amidIbrahim
Switched to branch '112178-AbdulhamidIbrahim'
```

9. Merge your `yourStudentId-yourStudentName` branch with the main branch

```
Administrator: Command Prompt

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>code .

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>git merge 112178-Abdulhamid
Ibrahim
Updating ab1f226..5be02e9
Fast-forward
 Abdulhamid.html | 13 ++++++++
 Abdulhamid.js   |  1 +
 2 files changed, 14 insertions(+)
 create mode 100644 Abdulhamid.html
 create mode 100644 Abdulhamid.js

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>code .

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>git push origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 616 bytes | 308.00 KiB/s, done.
Total 4 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Hamid8542/cs445-map-202111.git
```

11. Push your changes to the remote repo

```
Administrator: Command Prompt

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>code .

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>git push origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 616 bytes | 308.00 KiB/s, done.
Total 4 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Hamid8542/cs445-map-202111.git
   ab1f226..5be02e9  main -> main

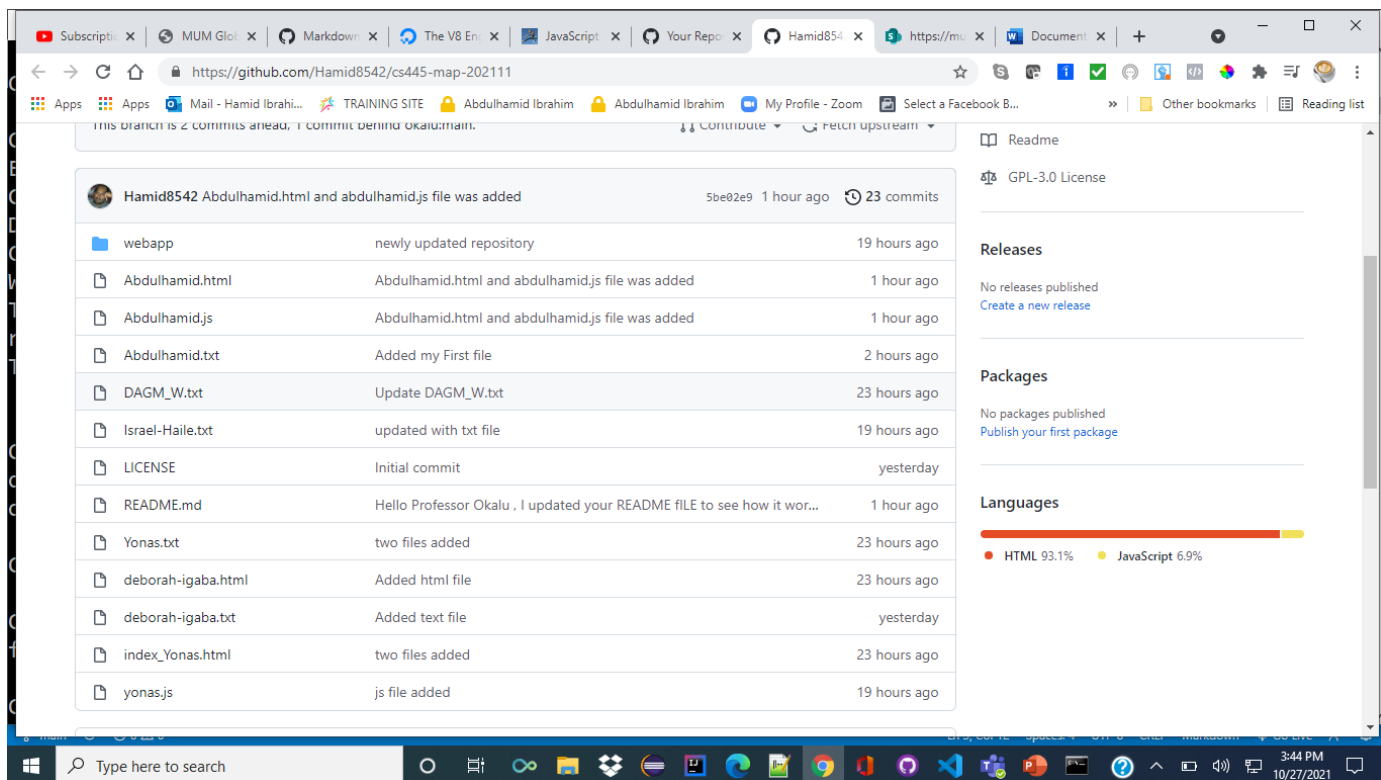
C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>git remote -v
origin https://github.com/Hamid8542/cs445-map-202111.git (fetch)
origin https://github.com/Hamid8542/cs445-map-202111.git (push)

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2\cs445-map-202111>cd..

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2>git status
fatal: not a git repository (or any of the parent directories): .git

C:\Users\meles\OneDrive\Documents\MIU\CS445-MAP\git-repos2>git log
```

12. Create a new Pull Request to the upstream repo



Extra work:

1. Create a remote repository

2. Create `README.md` file

3. Add at least 5 markdown syntax (For example: Headers, Bold, Code, Unordered List, Links)
[Use may use this Cheatsheet](<https://github.com/adam-p/markdown-here/wiki/Markdown-Cheatsheet>)