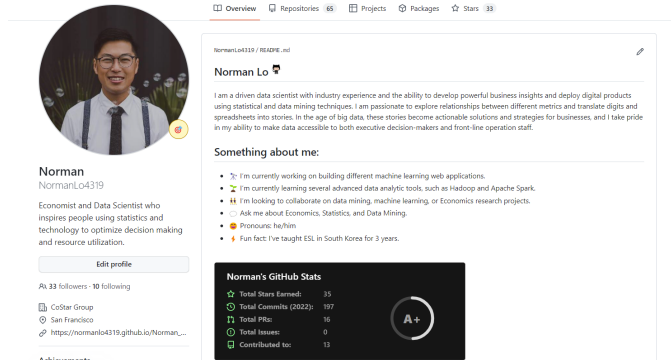


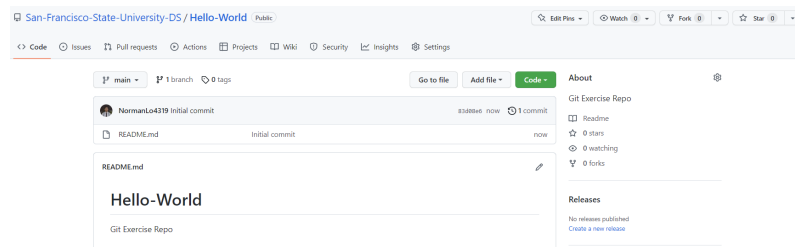
1 Git Lab Exercise

In this exercise, student needs to complete the following tasks:

1.0.1 Create a GitHub account on [GitHub \(www.github.com\)](https://www.github.com)



1.0.2 Create a new repository on GitHub and call it "Hello-World"



1.0.3 Git Clone

Use Git Bash or other command line interpreter (command prompt, terminal, etc ...) to clone the "Hello-World" repo to **Desktop**

```
Norman@DESKTOP-2IEUARE MINGW64 ~
$ cd Desktop/Git_Repo

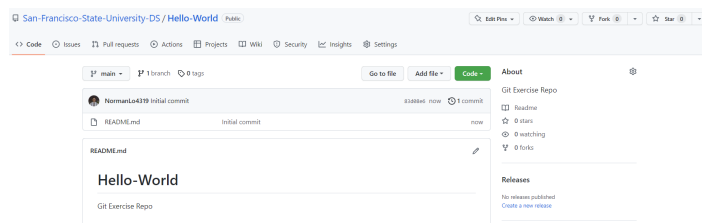
Norman@DESKTOP-2IEUARE MINGW64 ~/Desktop/Git_Repo
$ git clone git@github.com:San-Francisco-State-University-DS/Hello-World.git
Cloning into 'Hello-World'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0); reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

Norman@DESKTOP-2IEUARE MINGW64 ~/Desktop/Git_Repo
$ |
```

NOTE: please do not copy the code in the picture because the path to your repo is different to the one in the picture.

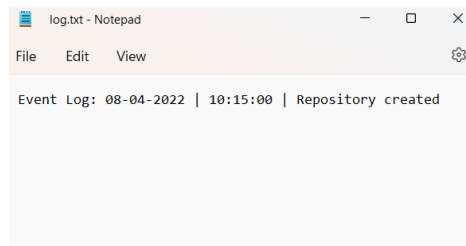
1.0.4 Create the following items in the repository,

1. **image folder**, then put a screen shot of the GitHub repository page into the folder and call it **Git.png**

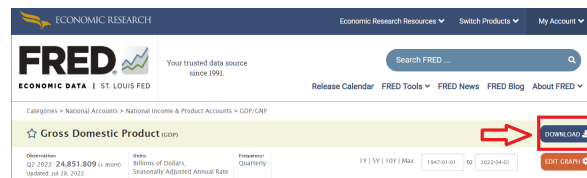


2. **log.txt** and manually type out the log of the repository:

Example: **Event Log: 08-22-2022 | 21:00:00 | Repository created**



3. **data folder**, then download the GDP time series dataset from the [Fed](https://fred.stlouisfed.org/series/GDP) (<https://fred.stlouisfed.org/series/GDP>) in CSV format, save it into the folder, and call it **gdp.csv**



1.0.5 Git Add, Commit, and Push

Once the items were created, use the command line interpreter to add the changes to the staging status, commit the changes with an intuitive message, and push the changes back to the remote repository on GitHub.

```
Norman@DESKTOP-2IEUARE MINGW64 ~/Desktop/Git_Repo
$ cd Hello-world/

Norman@DESKTOP-2IEUARE MINGW64 ~/Desktop/Git_Repo/Hello-World (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    data/
    image/
    log.txt

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

Norman@DESKTOP-2IEUARE MINGW64 ~/Desktop/Git_Repo/Hello-World (main)
$ git add .
warning: LF will be replaced by CRLF in data/GDP.csv.
The file will have its original line endings in your working directory

Norman@DESKTOP-2IEUARE MINGW64 ~/Desktop/Git_Repo/Hello-World (main)
$ git commit -m 'added new content to the repository'
[main 2ac861c] added new content to the repository
3 files changed, 304 insertions(+)
create mode 100644 data/GDP.csv
create mode 100644 image/helloworld.png
create mode 100644 log.txt

Norman@DESKTOP-2IEUARE MINGW64 ~/Desktop/Git_Repo/Hello-World (main)
$ git push
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 12 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (7/7), 59.63 KiB | 1.92 MiB/s, done.
Total 7 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:San-Francisco-State-University-DS/Hello-World.git
83d08e6..2ac861c main -> main

Norman@DESKTOP-2IEUARE MINGW64 ~/Desktop/Git_Repo/Hello-World (main)
$
```

1.0.6 Finally, submit the repository link on iLearn for grading.

