

Git



First steps:

Set up git with these values only once.
Can be changed for individual projects if required

git config --global user.name "Your Name"

git config --global user.email "your email"

- This tells git who is making changes.

To add new files in already existing repository on gitHub from local system on cmd line
Use git clone remoteRepositoryURL and then cd to Newly added directory
Create a file,add contents,save, use git add .,git commit -m "msg" then git add remote origin URL
Then push it use git push origin master

Git – Create a new project



Step1: Initialize a repository. Browse to your repository and run

git init → Initializes the directory as a git repository. All info is contained in the .git file. DO NOT MODIFY IT.

Step2: Check status

git status → As the name indicates, provides the status of the repo, un-committed files etc.

Step3: Add your project files to git

git add . (in case unwanted directories/files are added, run the command: **git rm –cached –r <directory name>**. Later add this directory/ to a file called .gitignore)

Step4: Commit

git commit –a –m “message”.

(The –a flag automatically moves the files to the staging area to be committed. If not included, then run a separate *git –add .* Command to add the files manually before running *git commit*.)

This commits all files to local repository

Microsoft Windows [Version 10.0.10586]

(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\ajay.srinivasa>



Microsoft Windows [Version 10.0.10586]

(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\ajay.srinivasa>cd desktop/jenkins

C:\Users\ajay.srinivasa\Desktop\Jenkins>dir

Volume in drive C is OSDisk

Volume Serial Number is A86B-A47A

Directory of C:\Users\ajay.srinivasa\Desktop\Jenkins

06/21/2017	04:02 PM	<DIR>	.
06/21/2017	04:02 PM	<DIR>	..
06/20/2017	11:30 PM	<DIR>	JENKINSHOME
06/21/2017	02:27 PM	<DIR>	Softwares
	0 File(s)		0 bytes
	4 Dir(s)		84,221,095,936 bytes free

C:\Users\ajay.srinivasa\Desktop\Jenkins>mkdir GitWorkspace

C:\Users\ajay.srinivasa\Desktop\Jenkins>cd Gitworkspace

C:\Users\ajay.srinivasa\Desktop\Jenkins\GitWorkspace>mkdir myfirstgitproject

C:\Users\ajay.srinivasa\Desktop\Jenkins\GitWorkspace>cd myfirstgitproject

C:\Users\ajay.srinivasa\Desktop\Jenkins\GitWorkspace\myfirstgitproject>git config --global user.name Ajay

C:\Users\ajay.srinivasa\Desktop\Jenkins\GitWorkspace\myfirstgitproject>git config --global user.email ajaynsrinivas@gmail.com

C:\Users\ajay.srinivasa\Desktop\Jenkins\GitWorkspace\myfirstgitproject>git init

Initialized empty Git repository in C:/Users/ajay.srinivasa/Desktop/Jenkins/GitWorkspace/myfirstgitproject/.git/

C:\Users\ajay.srinivasa\Desktop\Jenkins\GitWorkspace\myfirstgitproject>echo "HelloWorld!!" > HelloWorld.txt

C:\Users\ajay.srinivasa\Desktop\Jenkins\GitWorkspace\myfirstgitproject>

C:\Users\ajay.srinivasa\Desktop\Jenkins\GitWorkspace\myfirstgitproject>echo "HelloWorld!!" > HelloWorld.txt

C:\Users\ajay.srinivasa\Desktop\Jenkins\GitWorkspace\myfirstgitproject>dir

Volume in drive C is OSDisk

Volume Serial Number is A86B-A47A

Directory of C:\Users\ajay.srinivasa\Desktop\Jenkins\GitWorkspace\myfirstgitproject

```
06/21/2017  04:07 PM    <DIR>        .
06/21/2017  04:07 PM    <DIR>        ..
06/21/2017  04:07 PM                17 HelloWorld.txt
               1 File(s)                17 bytes
               2 Dir(s)  84,163,633,152 bytes free
```

C:\Users\ajay.srinivasa\Desktop\Jenkins\GitWorkspace\myfirstgitproject>dir /a

Volume in drive C is OSDisk

Volume Serial Number is A86B-A47A

Directory of C:\Users\ajay.srinivasa\Desktop\Jenkins\GitWorkspace\myfirstgitproject

```
06/21/2017  04:07 PM    <DIR>        .
06/21/2017  04:07 PM    <DIR>        ..
06/21/2017  04:06 PM    <DIR>        .git
06/21/2017  04:07 PM                17 HelloWorld.txt
               1 File(s)                17 bytes
               3 Dir(s)  84,140,761,088 bytes free
```

C:\Users\ajay.srinivasa\Desktop\Jenkins\GitWorkspace\myfirstgitproject>git status

On branch master

Initial commit

Untracked files:

(use "git add <file>..." to include in what will be committed)

HelloWorld.txt

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

C:\Users\ajay.srinivasa\Desktop\Jenkins\GitWorkspace\myfirstgitproject>

Git – Push to github



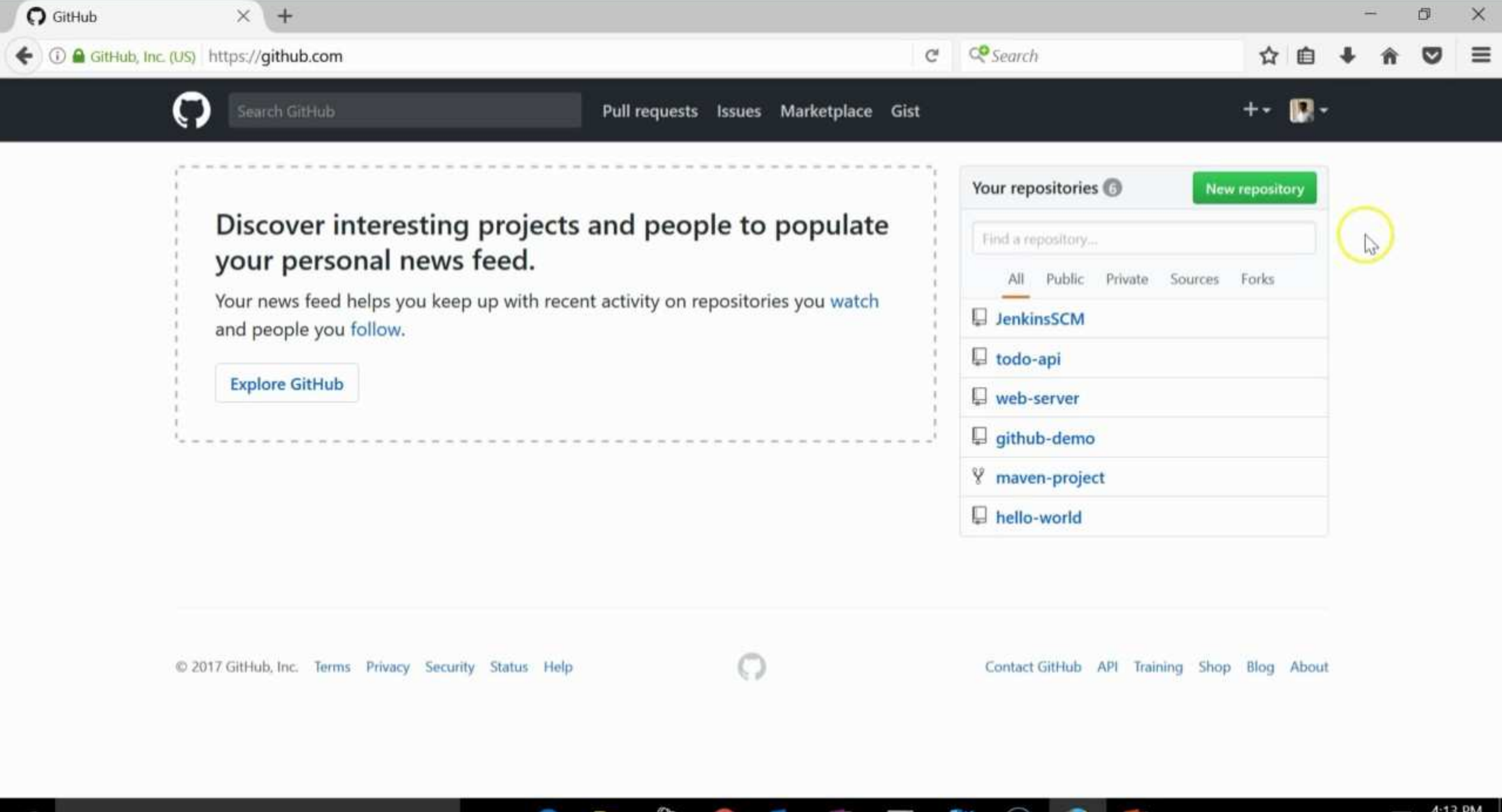
Step1: Login to github and create a new repository

Step2: Add the github repository URL as a remote repository by running the command:

```
git remote add origin <URL>
```

Step3: `git push origin master`

On the prompt for username/password, enter your github credentials.



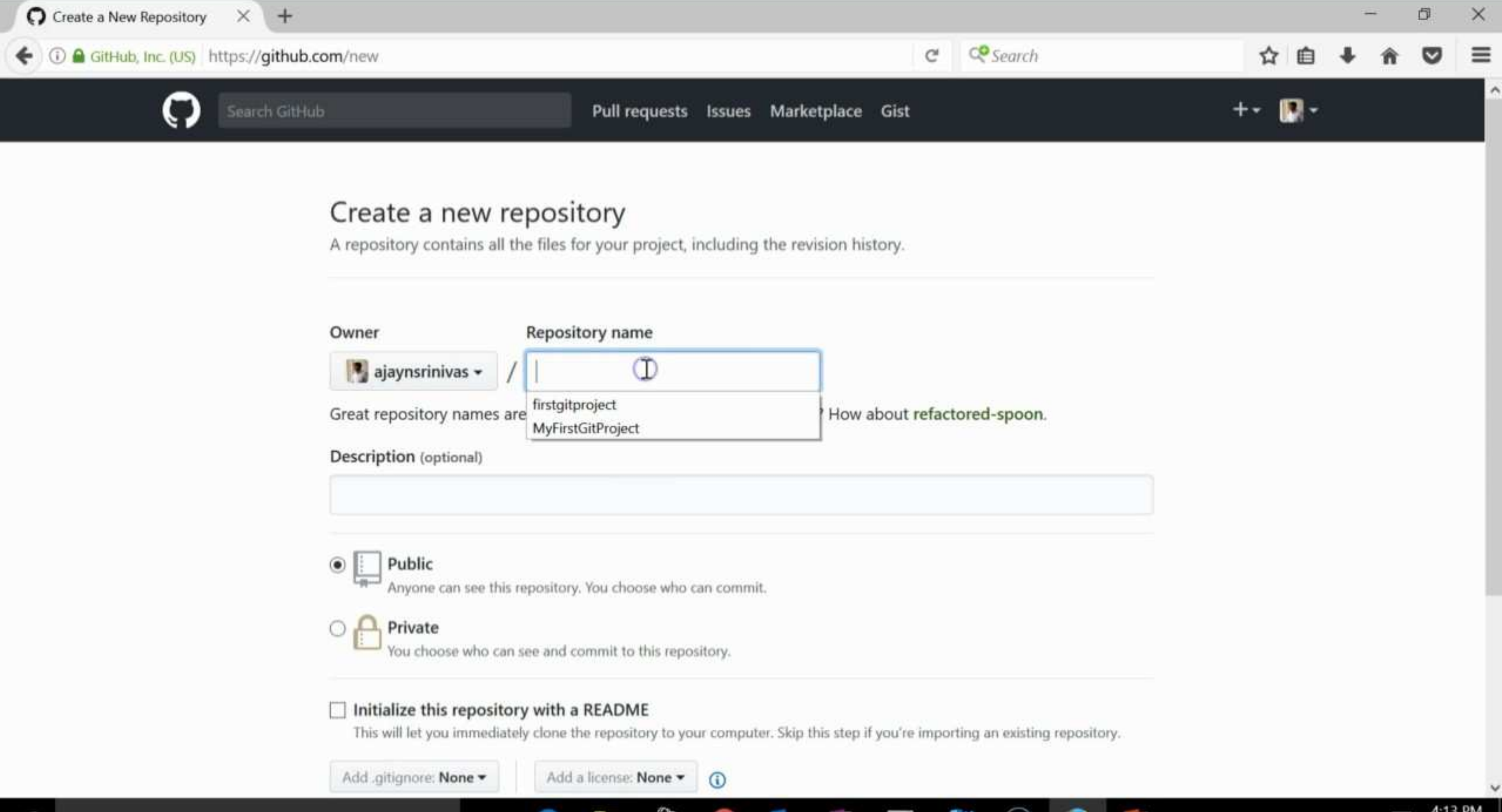
Discover interesting projects and people to populate your personal news feed.

Your news feed helps you keep up with recent activity on repositories you [watch](#) and people you [follow](#).

[Explore GitHub](#)

Your repositories 6

[New repository](#)[All](#) [Public](#) [Private](#) [Sources](#) [Forks](#) [JenkinsSCM](#) [todo-api](#) [web-server](#) [github-demo](#) [maven-project](#) [hello-world](#)



Search GitHub

[Pull requests](#) [Issues](#) [Marketplace](#) [Gist](#)

+ [user profile icon]

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner

ajaynsrinivas ▾

Repository name

| [text input icon]

Great repository names are

firstgitproject
MyFirstGitProject

How about **refactored-spoon**.

Description (optional)

[text area]



Public

Anyone can see this repository. You choose who can commit.



Private

You choose who can see and commit to this repository.



Initialize this repository with a README

This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: None ▾

Add a license: None ▾



ajaynsrinivas/firstgitproject

GitHub, Inc. (US)https://github.com/ajaynsrinivas/firstgitproject

Search

☆


📄

↓

🏠


🔒


☰

 This repository Search

[Pull requests](#) [Issues](#) [Marketplace](#) [Gist](#)

+



 [ajaynsrinivas / firstgitproject](#)

👁 Unwatch 1

★ Star 0

🍴 Fork 0

↔ Code

🔔 Issues 0

🔗 Pull requests 0

📁 Projects 0

📖 Wiki

⚙ Settings

🔍 Insights ▾

Quick setup — if you've done this kind of thing before

📄 Set up in Desktop

 or

HTTPS

SSH

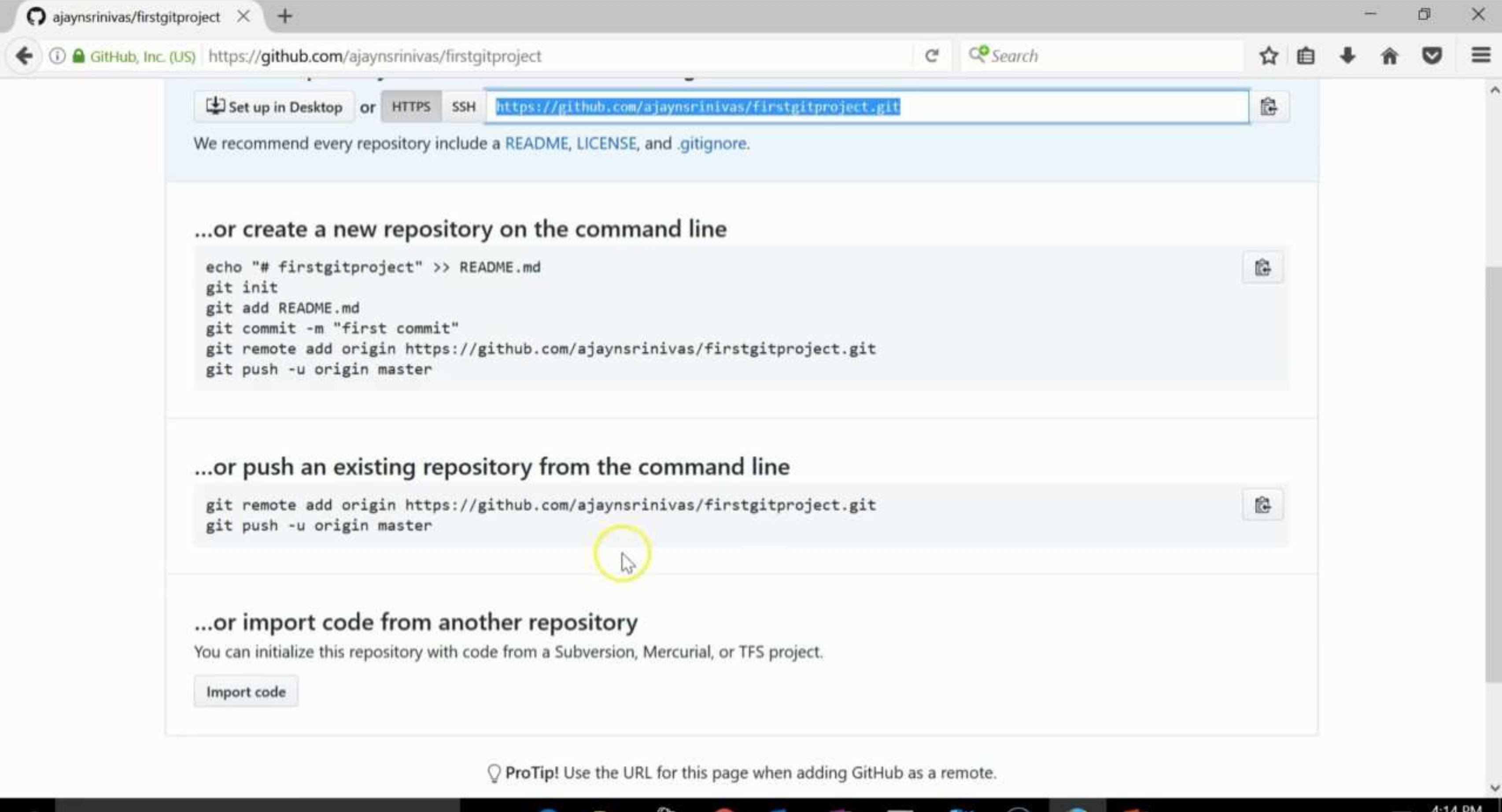
We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

```
echo "# firstgitproject" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/ajaynsrinivas/firstgitproject.git
git push -u origin master
```

...or push an existing repository from the command line

```
git remote add origin https://github.com/ajaynsrinivas/firstgitproject.git
git push -u origin master
```




```
06/21/2017 04:07 PM <DIR> .
06/21/2017 04:07 PM <DIR> ..
06/21/2017 04:06 PM <DIR> .git
06/21/2017 04:07 PM      17 HelloWorld.txt
      1 File(s)      17 bytes
      3 Dir(s)  84,140,761,088 bytes free
```

```
C:\Users\ajay.srinivasa\Desktop\Jenkins\GitWorkspace\myfirstgitproject>git status
On branch master
```

Initial commit

Untracked files:

(use "git add <file>..." to include in what will be committed)

HelloWorld.txt

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

```
C:\Users\ajay.srinivasa\Desktop\Jenkins\GitWorkspace\myfirstgitproject>git add .
```

```
C:\Users\ajay.srinivasa\Desktop\Jenkins\GitWorkspace\myfirstgitproject>git status
On branch master
```

Initial commit

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: HelloWorld.txt

```
C:\Users\ajay.srinivasa\Desktop\Jenkins\GitWorkspace\myfirstgitproject>git commit -m "my first commit"
```

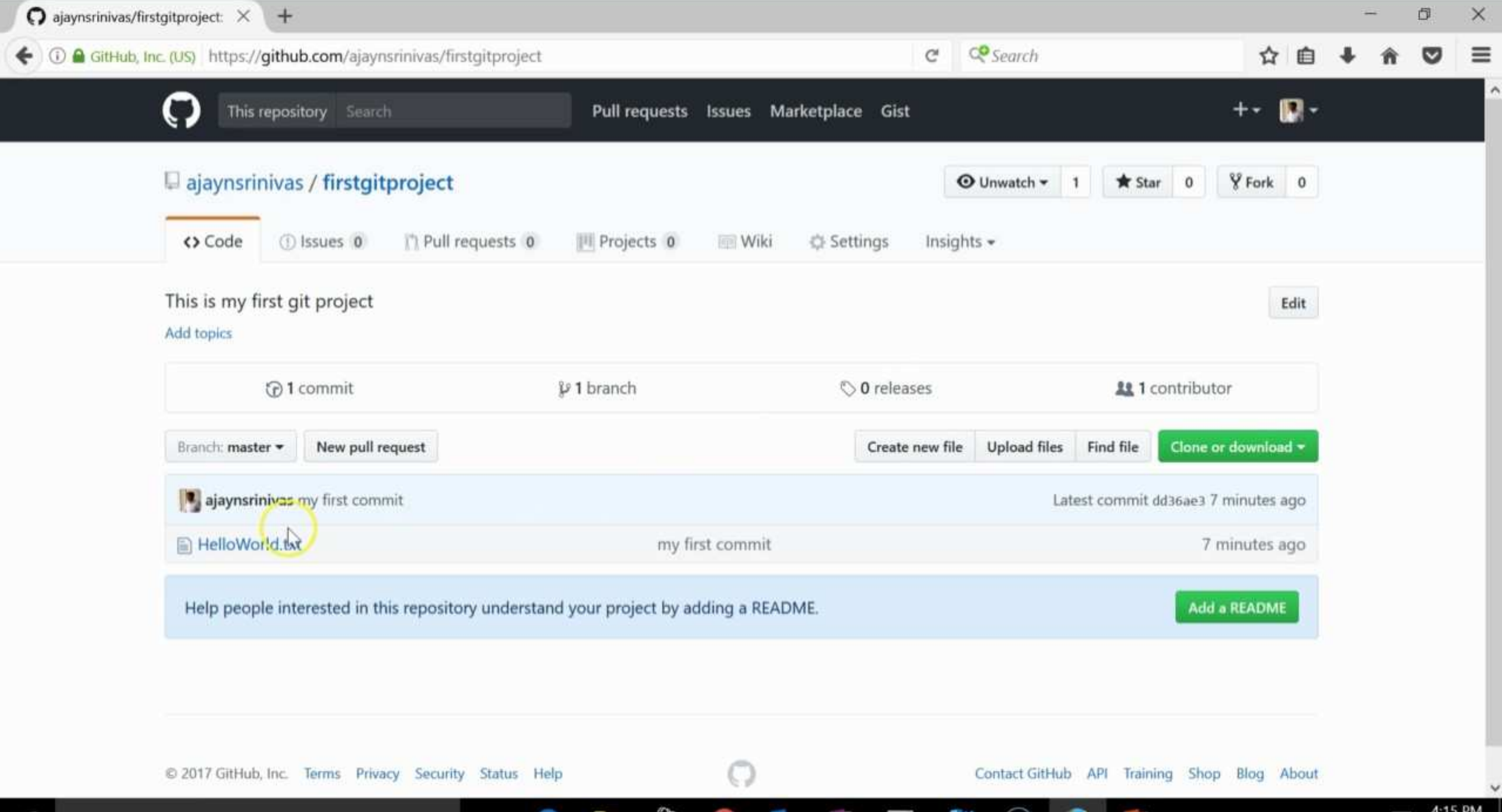
[master (root-commit) dd36ae3] my first commit

1 file changed, 1 insertion(+)

create mode 100644 HelloWorld.txt

```
C:\Users\ajay.srinivasa\Desktop\Jenkins\GitWorkspace\myfirstgitproject>git remote add origin https://github.com/ajaynsrinivas/firstgitproject.git
```

```
C:\Users\ajay.srinivasa\Desktop\Jenkins\GitWorkspace\myfirstgitproject>git push origin master_
```



```
(base) [root@localhost myfirstgirproject]# ls
```

```
HelloWorld.txt
```

```
(base) [root@localhost myfirstgirproject]# cat HelloWorld.txt
```

```
Hi,It worked.Success !!!
```

```
Welcome Back
```

```
(base) [root@localhost myfirstgirproject]# git pull origin master
```

```
remote: Enumerating objects: 5, done.
```

```
remote: Counting objects: 100% (5/5), done.
```

```
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
```

```
Unpacking objects: 100% (3/3), done.
```

```
From https://github.com/amarfamt/HelloWorld
```

```
* branch                master      -> FETCH_HEAD
```

```
   aaf8dd6..425bc80      master      -> origin/master
```

```
Updating aaf8dd6..425bc80
```

```
Fast-forward
```

```
 HelloWorld.txt | 1 +
```

```
 1 file changed, 1 insertion(+)
```

```
(base) [root@localhost myfirstgirproject]# cat HelloWorld.txt
```

```
Hi,It worked.Success !!!
```

```
Welcome Back
```

```
Hi Sanvi
```

```
(base) [root@localhost myfirstgirproject]# ls
```

📁 amarfamt / **HelloWorld**

👁 Unwatch ▾ 1 ★ Star 0 🍴 Fork 0

↔ Code ⓘ Issues 0 🔄 Pull requests 0 🎬 Actions 📁 Projects 0 📖 Wiki 🛡 Security 📊 Insights ⚙ Settings

No description, website, or topics provided.

Edit

[Manage topics](#)

🕒 3 commits

🌿 1 branch

📦 0 packages

📦 0 releases

👤 1 contributor

Branch: master ▾

New pull request

Create new file

Upload files

Find file

Clone or download ▾

👤 amarfamt Update Helloworld.txt ...

Latest commit 425bc80 6 minutes ago

📄 [Helloworld.txt](#)

Update Helloworld.txt

6 minutes ago

Help people interested in this repository understand your project by adding a README.

Add a README

Using the Hello World guide, you'll start a branch, write comments, and open a pull request.

Read the guide

📖 amarfamt / HelloWorld

👁️ Unwatch ▾ 1 ⭐ Star 0 🍴 Fork 0

↔️ Code ⓘ Issues 0 🏷️ Pull requests 0 🎬 Actions 📁 Projects 0 📖 Wiki 🛡️ Security 📊 Insights ⚙️ Settings

Branch: master ▾ HelloWorld / Helloworld.txt Find file Copy path

👤 amarfamt Update Helloworld.txt 425bc80 6 minutes ago

1 contributor

3 lines (3 sloc) | 48 Bytes Raw Blame History ✎ 🗑️

1

Hi,It worked.Success !!!

2

Welcome Back

3

Hi Sanvi


```
[root@it133 test]# git remote add origin https://github.com/amarfamt/Demo1.git
fatal: remote origin already exists.
[root@it133 test]# git remote -v
origin https://github.com/amarfamt/Demo1.git (fetch)
origin https://github.com/amarfamt/Demo1.git (push)
[root@it133 test]# git remote rm origin
[root@it133 test]# git remote -v
[root@it133 test]# git remote add origin https://github.com/amarfamt/Demo1.git
[root@it133 test]#
```