

Lesson 05 Demo 01

Creating a Pull Request in Git

Objective: To create a pull request for merging the local changes into a remote Git repository

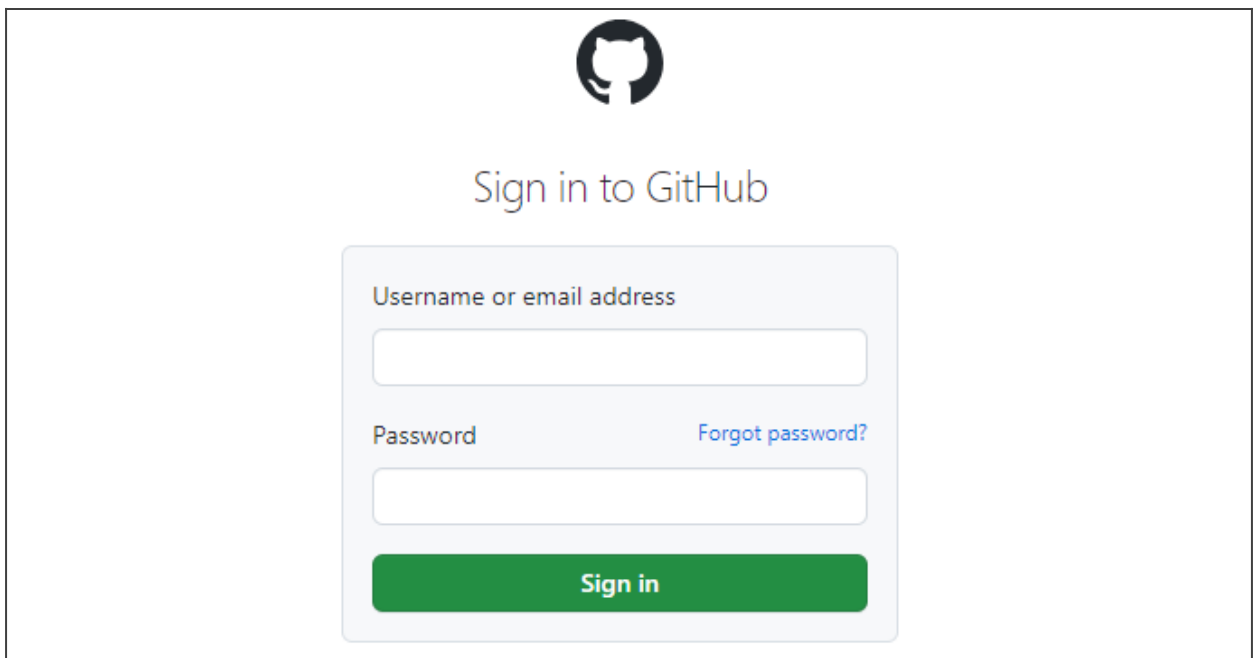
Tools required: Git and GitHub

Steps to be followed:

1. Create a fork
2. Clone the fork
3. Sync the fork with the original repository
4. Push changes to the GitHub fork
5. Create a pull request

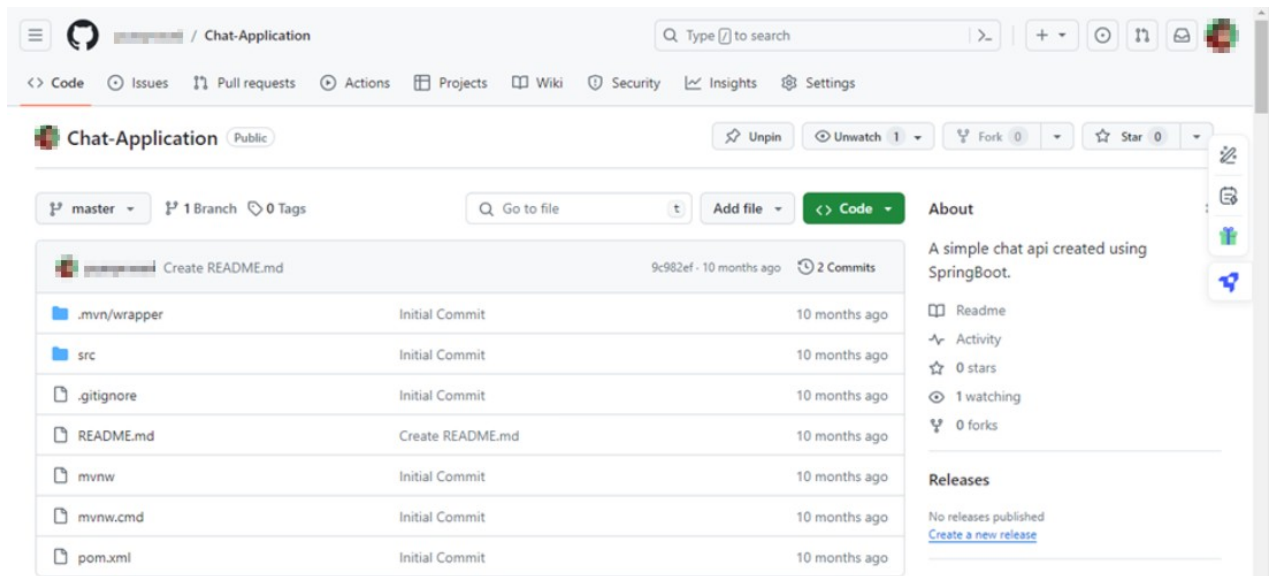
Step 1: Create a fork

- 1.1 Open the browser in your lab, go to **github.com**, and log in to your account

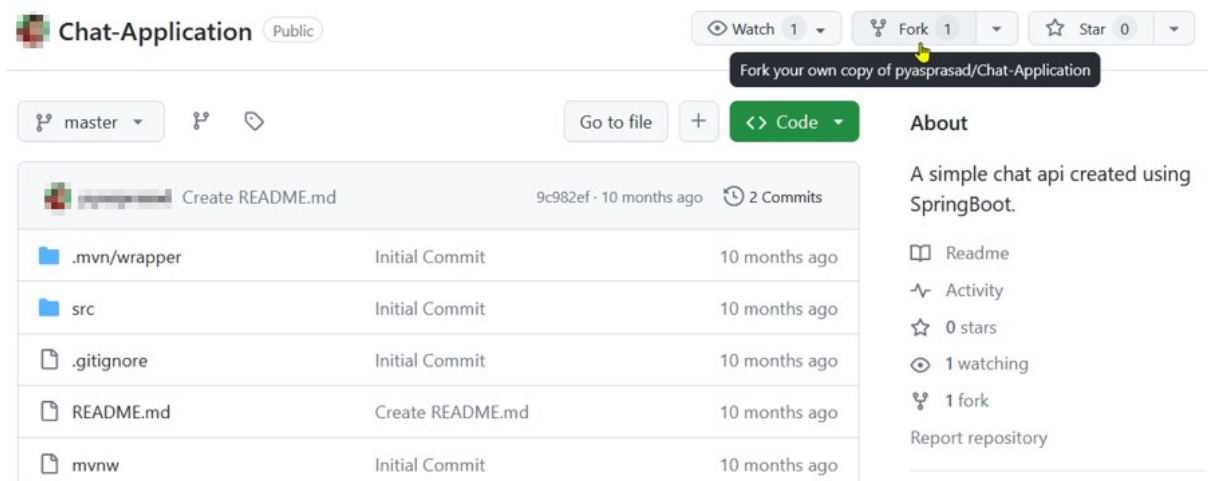
A screenshot of the GitHub sign-in page. At the top center is the GitHub logo (an octocat). Below it, the text "Sign in to GitHub" is displayed. Underneath is a light gray rounded rectangle containing the login form. The form has two input fields: "Username or email address" and "Password". To the right of the password field is a blue link that says "Forgot password?". At the bottom of the form is a green button with the text "Sign in" in white.

Note: If you do not have a GitHub account, visit the official website at <https://github.com/signup> and create a new account

1.2 Navigate to the following repository in your browser:
<https://github.com/GithubResources1/Chat-Application>



1.3 Click the Fork button in the top-right corner of the page



- 1.4 In the **Create a new fork** page, enter the name and description of the forked repository, then click on **Create fork**

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.

Required fields are marked with an asterisk ().*

Owner *

Repository name *

Chat-Application

✔ Chat-Application is available.

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

Description (optional)

A simple chat api created using SpringBoot.

☒ Copy the `master` branch only

Contribute back to [pyasprasad/Chat-Application](#) by adding your own branch. [Learn more.](#)

i You are creating a fork in your personal account.

Create fork

Step 2: Clone the Fork

- 2.1 Click on the **Code** button in the forked repository page

master

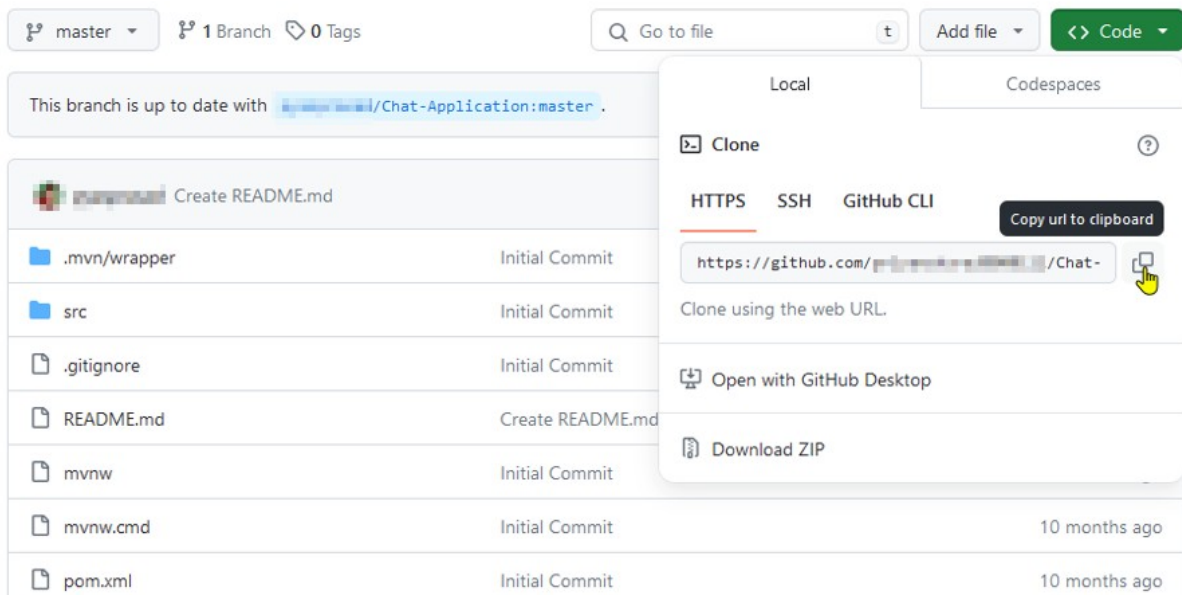
1 Branch

0 Tags

This branch is up to date with [pyasprasad/Chat-Application:master](#).

Create README.md	9c982ef · 10 months ago	2 Commits
.mvn/wrapper	Initial Commit	10 months ago
src	Initial Commit	10 months ago

- 2.2 Click on the copy icon to copy the **HTTPS URL** of the forked repository to clone it



2.3 Open the terminal tab on your lab and use the following command to clone the forked repository inside the local project directory:

git clone <URL>

```
priyanshurajsim@ip-172-31-28-201:~/Pyas$ git clone https://github.com/priyanshurajsim/Chat-Application.git
Cloning into 'Chat-Application'...
remote: Enumerating objects: 46, done.
remote: Counting objects: 100% (46/46), done.
remote: Compressing objects: 100% (35/35), done.
remote: Total 46 (delta 3), reused 42 (delta 2), pack-reused 0
Receiving objects: 100% (46/46), 67.79 KiB | 22.59 MiB/s, done.
Resolving deltas: 100% (3/3), done.
priyanshurajsim@ip-172-31-28-201:~/Pyas$
```

Step

Note: Replace the URL with the copied HTTPS URL from the repository

3:

Sync the fork with the original repository

3.1 Navigate to the directory where the fork has been cloned using the following command in the terminal:

cd Chat-Application

```
priyanshurajsim@ip-172-31-28-201:~/Pyas$ cd Chat-Application
priyanshurajsim@ip-172-31-28-201:~/Pyas/Chat-Application$
```

3.2 Run the following command to view the configured remote repository for your fork:

git remote -v

```
priyanshurajsim@ip-172-31-28-201:~/Pyas/Chat-Application$ git remote -v
origin https://github.com/priyanshuraj0000111/Chat-Application.git (fetch)
origin https://github.com/priyanshuraj0000111/Chat-Application.git (push)
priyanshurajsim@ip-172-31-28-201:~/Pyas/Chat-Application$
```

3.3 Add the original repository as a remote upstream using the following command:

git remote add upstream <URL>

```
priyanshurajsim@ip-172-31-28-201:~/Pyas/Chat-Application$ git remote add upstream https://github.com/priyanshuraj0000111/Chat-Application.git
```

Note: Replace the URL with the copied URL from the repository

3.4 Execute the following command to verify the new upstream repository:

git remote -v

```
priyanshurajsim@ip-172-31-28-201:~/Pyas/Chat-Application$ git remote -v
origin https://github.com/priyanshuraj0000111/Chat-Application.git (fetch)
origin https://github.com/priyanshuraj0000111/Chat-Application.git (push)
upstream https://github.com/priyanshuraj0000111/Chat-Application.git (fetch)
upstream https://github.com/priyanshuraj0000111/Chat-Application.git (push)
priyanshurajsim@ip-172-31-28-201:~/Pyas/Chat-Application$
```

Step 4: Push changes to the GitHub fork

4.1 After making changes in the local code repository, execute the following command to push the changes to your GitHub fork:

git push

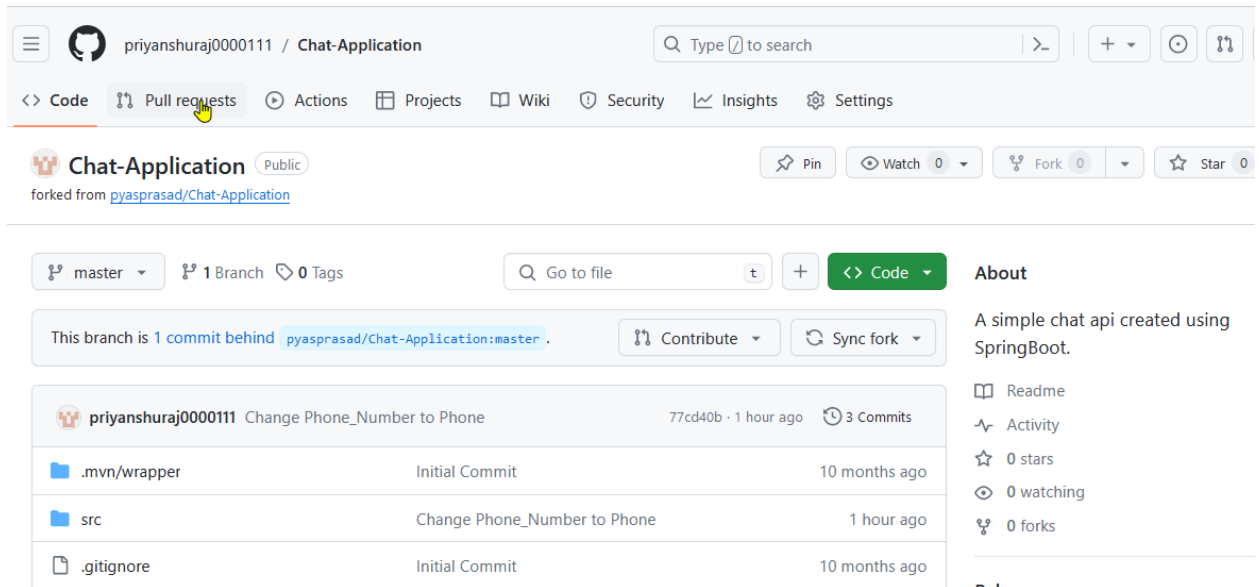
```
priyanshurajsim@ip-172-31-28-201:~/Pyas/Chat-Application$ git push
Username for 'https://github.com': priyanshuraj0000111
Password for 'https://priyanshuraj0000111@github.com':
Everything up-to-date
priyanshurajsim@ip-172-31-28-201:~/Pyas/Chat-Application$
```

Step 5:

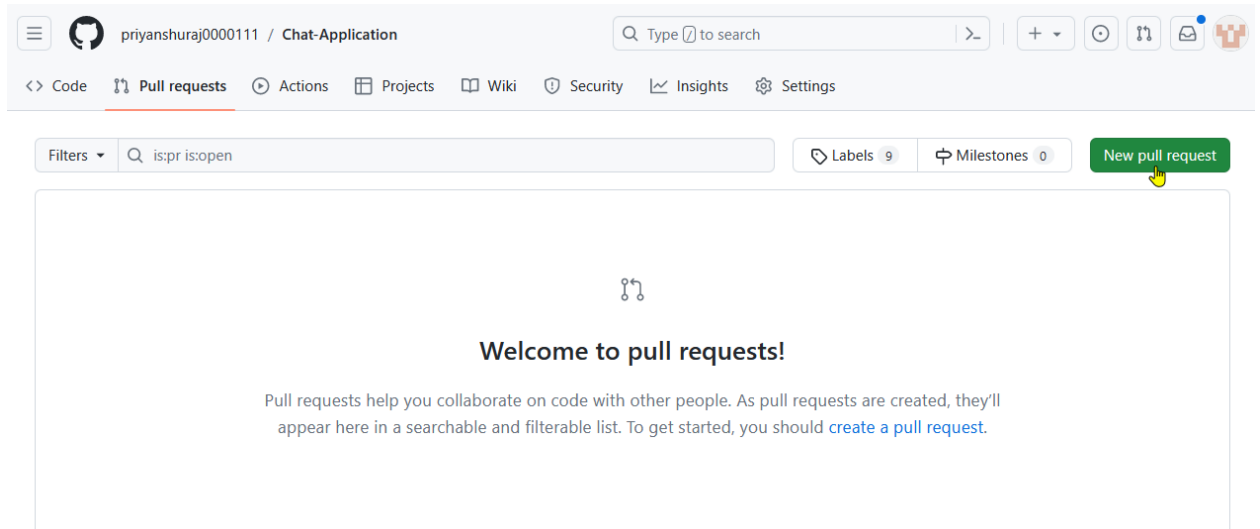
Note: After executing the Git push command, you will be asked to enter the username and password for your GitHub account.

Create a pull request

5.1 Click the **Pull requests** button on your GitHub fork's page



5.2 Click the **New pull request** button



5.3 Select the **Create pull request** button and resolve the merge comments

Discuss and review the changes in this comparison with others. [Learn about pull requests](#) Create pull request

1 commit 1 file changed 1 contributor

Commits on Mar 24, 2024

Change Phoner to phoneNumber 2a83a9f <>
 priyanshura0000111 committed 5 minutes ago

Showing 1 changed file with 2 additions and 2 deletions. Split Unified

```

src/main/java/com/geekster/chatApplication/model/Users.java
@@ -23,8 +23,8 @@ public class Users {
23 23     private String password;
24 24     @Column(name="email")
25 25     private String email;
26 -     @Column(name="phone")
27 -     private String phone;
26 +     @Column(name="phone_number")
27 +     private String phoneNumber;
28 28     @Column(name="gender")
29 29     private String gender;
30 30     @Column(name="first_name")
  
```

Chat-Application

Change Phone to phoneNumber #2 Edit <> Code

Merged merged 1 commit into :master from :master 2 minutes ago

Conversation 1 Commits 1 Checks 0 Files changed 1

Contributor commented 15 minutes ago
 No description provided.

Change Phoner to phoneNumber 2a83a9f

Owner merged commit 551bfce into :master 2 minutes ago Revert

Owner commented 2 minutes ago
 Got it, Thanks.

Reviews
 No reviews

Assignees
 No one assigned

Labels
 None yet

Projects
 None yet

Milestone
 No milestone

Development

By following these steps, you have successfully created a pull request for merging the local changes into a remote Git repository.