

Laboratory work 3

What I did:

Part 1: “Choice of online git service, account creation”

First is choosing free online git repo. From the beginning I thought I'll go with GitHub. As I looked through the list of options provided by git-tower (<https://www.git-tower.com/blog/git-hosting-services-compared/>), going through all the unknown services I settled on GitHub. Main reasons being that when you look for code snippets you see links to GitHub and not to “Beanstalk”. Also how can I not pick it with such recommendation: “The undisputed number one in the Open Source world with projects like Ruby on Rails or jQuery being hosted at GitHub”.

Registration is fairly painless: just username, email, and password (no need to even repeat it) (Fig. 1). Followed by plan selection, where, of course, I take the free option and make sure no subscriptions are checked. And last registration window I just a questionnaire and I like questionnaires.

Part 2: “New repository creation, adding collaborators”

Initiating new repo is simple: give a path, description and a few more optional picks if needed (Fig. 2. – was already created, and screenshot is after pressing back). For simplicity, because I'm finding lack of motivation to do things the hard way, I'll manage the repo with GitHub Desktop (GHD).

In the app go to clone a repo (Fig. 3.). Pick GitHub.com (Fig. 4.). This asks for a login (Fig. 5). It goes back to main view. I go to clone a repo again. This time I get to pick a repo and where to place it (Fig. 6.), so I place it among my other git attempts and press “clone”.


Following the task I add some random text file in the repo folder (Fig. 7.). This shows up in GHD (Fig. 8.). Adding required comment and an optional description I commit it to master (Fig. 9.). Pushing throws an error, that is a GHD and after quick Google search and deleting `.git/hooks/pre-push` pushing now works – file is not in GitHub (Fig. 10.).


The issue with adding colleagues to the project is that one is barely attending and is contemplating leaving, another is gone, and one more is already done; none of them reply to messages fast or are reliable. So my colleague will be myself on my laptop with a different account. So the issue becomes: how to add collaborator. Answer is: when in `github.com/username/reponame` go “settings” and then “collaborators” (or straight to `github.com/username/reponame/settings/collaboration` (Fig. 11.). Inviting is easy enough (Fig. 12.). Next is figuring out how to accept. OK – you get an email and follow links therein. And as such now I have a collaborator (Fig. 13.).


There is big emphasis on pushing/pulling on both sides so do some of that and then attempt to create a conflict. I change text file on both ends to have an extra line of text, commit it on both ends (Fig. 14.) and attempt to push. And GHD seems to have a safety measure (Fig. 15.). Thus I now pull, which throws another error (Fig. 16.). Conflict appears in Changes list (Fig. 17.) the change being that the new file now contains.

Long story short, since I am getting seriously hungry: I reedit the text file, re-commit and re-push. There's also more commits to clean up the mess.

TortoiseSVN is so far significantly better, and I like that it has a dedicated conflict resolution window. Git command line version is cumbersome, GHD is better but still far from great, especially when it comes to conflicts. Still for sharing files among my PCs I prefer Dropbox and at work we use SVN.

 **Step 1:**
Create personal account

 **Step 2:**
Choose your plan

 **Step 3:**
Tailor your experience

Create your personal account

There were problems creating your account.

Username
EpicFailv2 ✓

Email Address
abutkus.et@gmail.com ✓

Password
..... ✓

By clicking on "Create an account" below, you are agreeing to the [Terms of Service](#) and the [Privacy Policy](#).

Create an account

You'll love GitHub

Unlimited collaborators
Unlimited public repositories

✓ Great communication

✓ Frictionless development

✓ Open source community

Fig. 1.

Create a new repository

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

Owner

EpicFailv2 ▾

/

Repository name

open-source-repo ▴

Great repository names

The repository open-source-repo already exists on this account natic-guide.

Description (optional)

Repo for Open Source laboratory works

☒ 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 ▾

[i](#)

Create repository

Fig. 2.

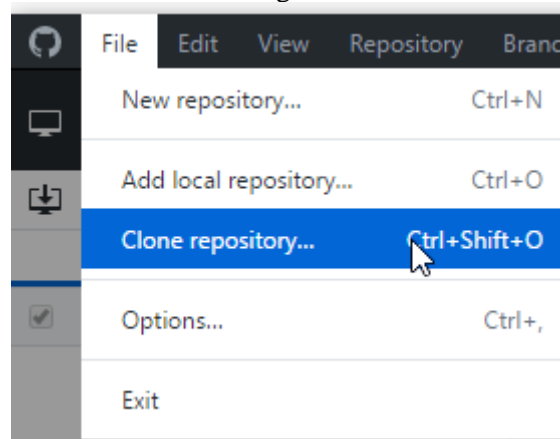


Fig. 3.

Clone a repository

GitHub.com

Enterprise

URL

Sign in to your GitHub.com account to access your repositories.

Sign in

Fig.4.

Sign in ×


Username or email address

abutkus.et@gmail.com

Password [Forgot password?](#)

.....

or

[Sign in using your browser](#) 

Sign in

Cancel

Fig. 5.

Clone a repository ×


GitHub.com

Enterprise

URL

Filter

Your repositories

 EpicFailv2/open-source-repo

Local path

E:\Studies\GIT\open-source-repo\open-source-repo

Choose...

Clone

Cancel

Fig. 6.

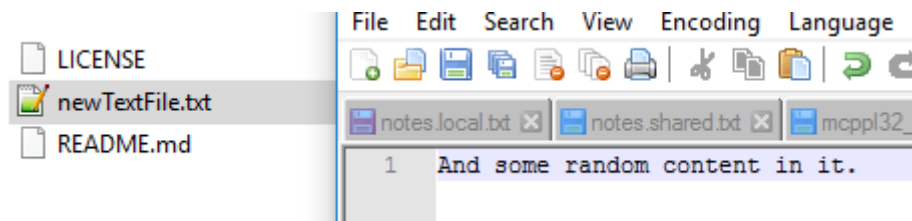


Fig. 7.

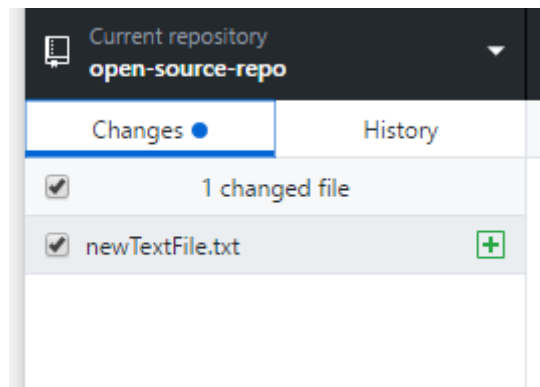


Fig. 8.

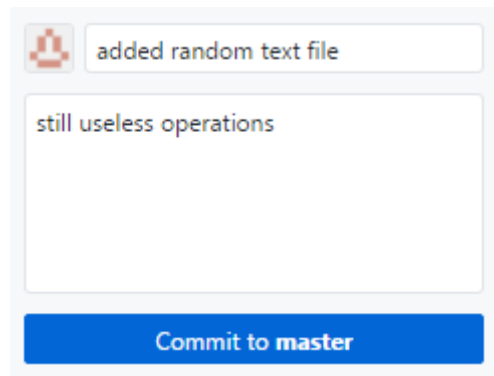


Fig. 9.

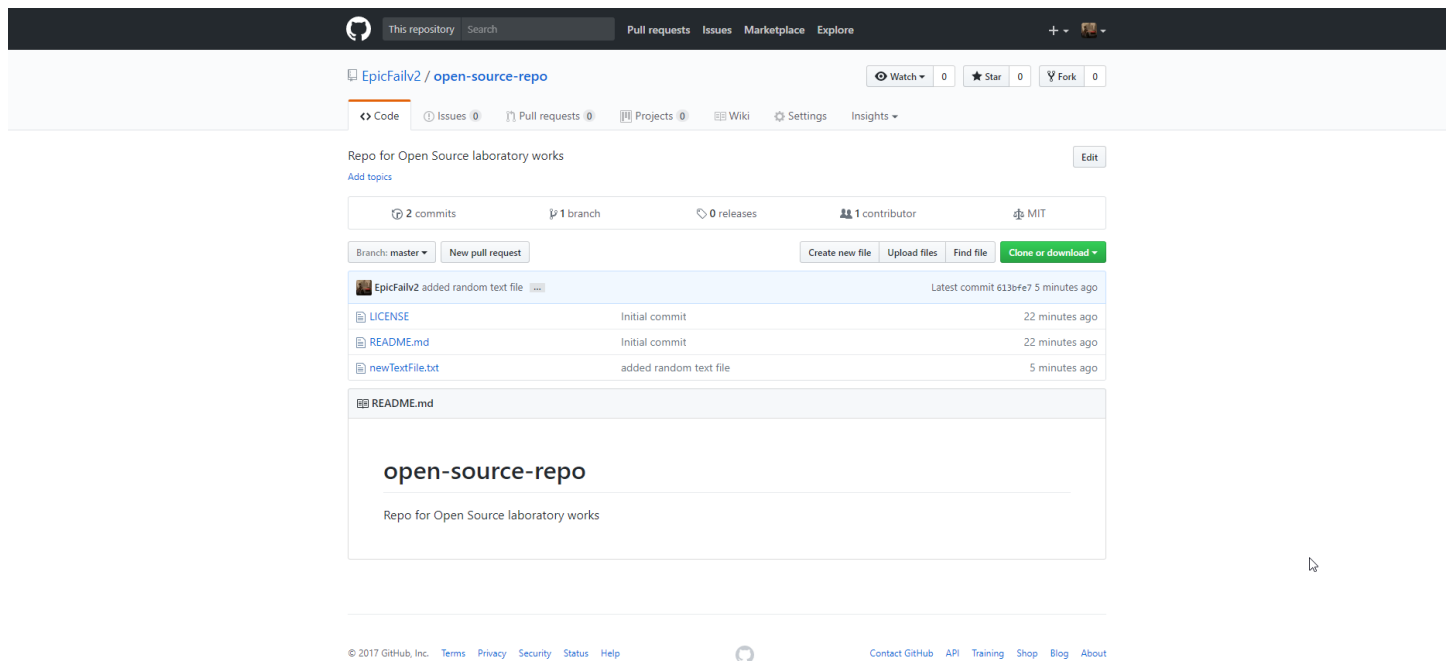


Fig. 10.

<> Code

🔔 Issues 0

🔗 Pull requests 0

📁 Projects 0

📖 Wiki

⚙️ Settings

🔍 Insights ▾

Options

Collaborators

Branches

Webhooks

Integrations & services

Deploy keys

Collaborators

Push access to the repository

This repository doesn't have any collaborators yet. Use the form below to add a collaborator.

Search by username, full name or email address


You'll only be able to find a GitHub user by their email address if they've chosen to list it publicly. Otherwise, use their username instead.

Add collaborator

Fig. 11.

Collaborators

Push access to the repository

Awaiting EpicFailv3's response

Copy invite link ▾

Cancel invite

Search by username, full name or email address

You'll only be able to find a GitHub user by their email address if they've chosen to list it publicly. Otherwise, use their username instead.

epicfailv3

Add collaborator



EpicFailv3

Fig. 12.

Collaborators

Push access to the repository

EpicFailv3

×

Search by username, full name or email address

You'll only be able to find a GitHub user by their email address if they've chosen to list it publicly. Otherwise, use their username instead.

Add collaborator

Fig. 13.

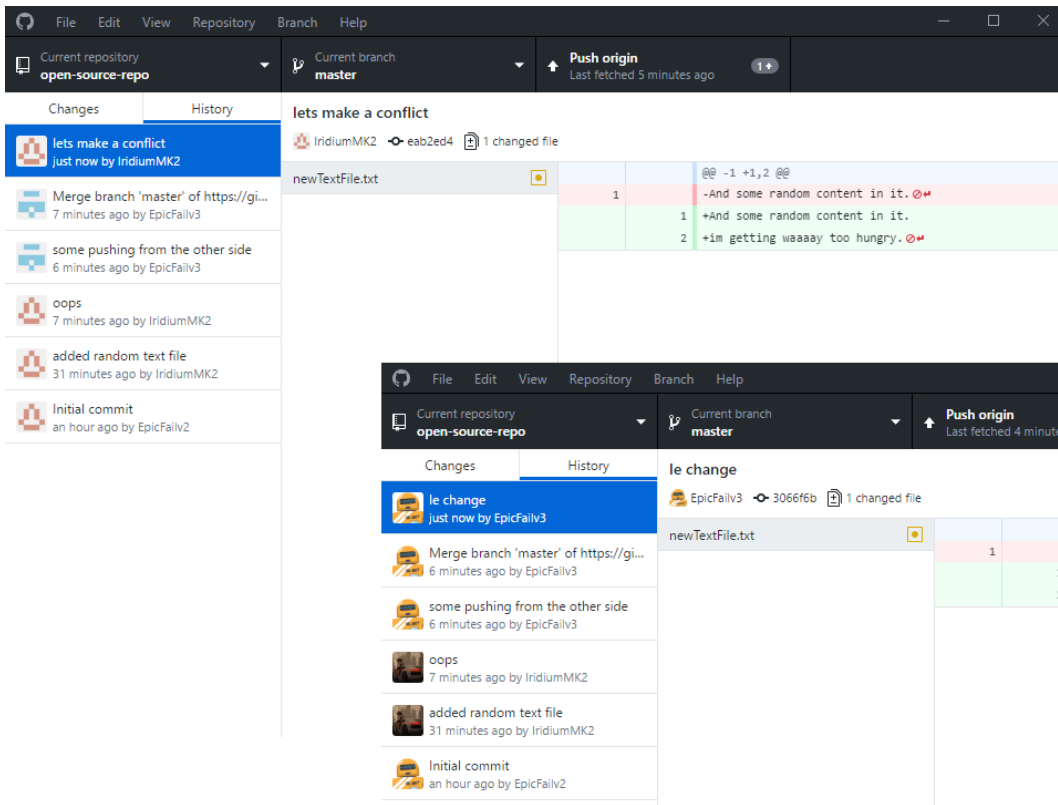


Fig. 14.

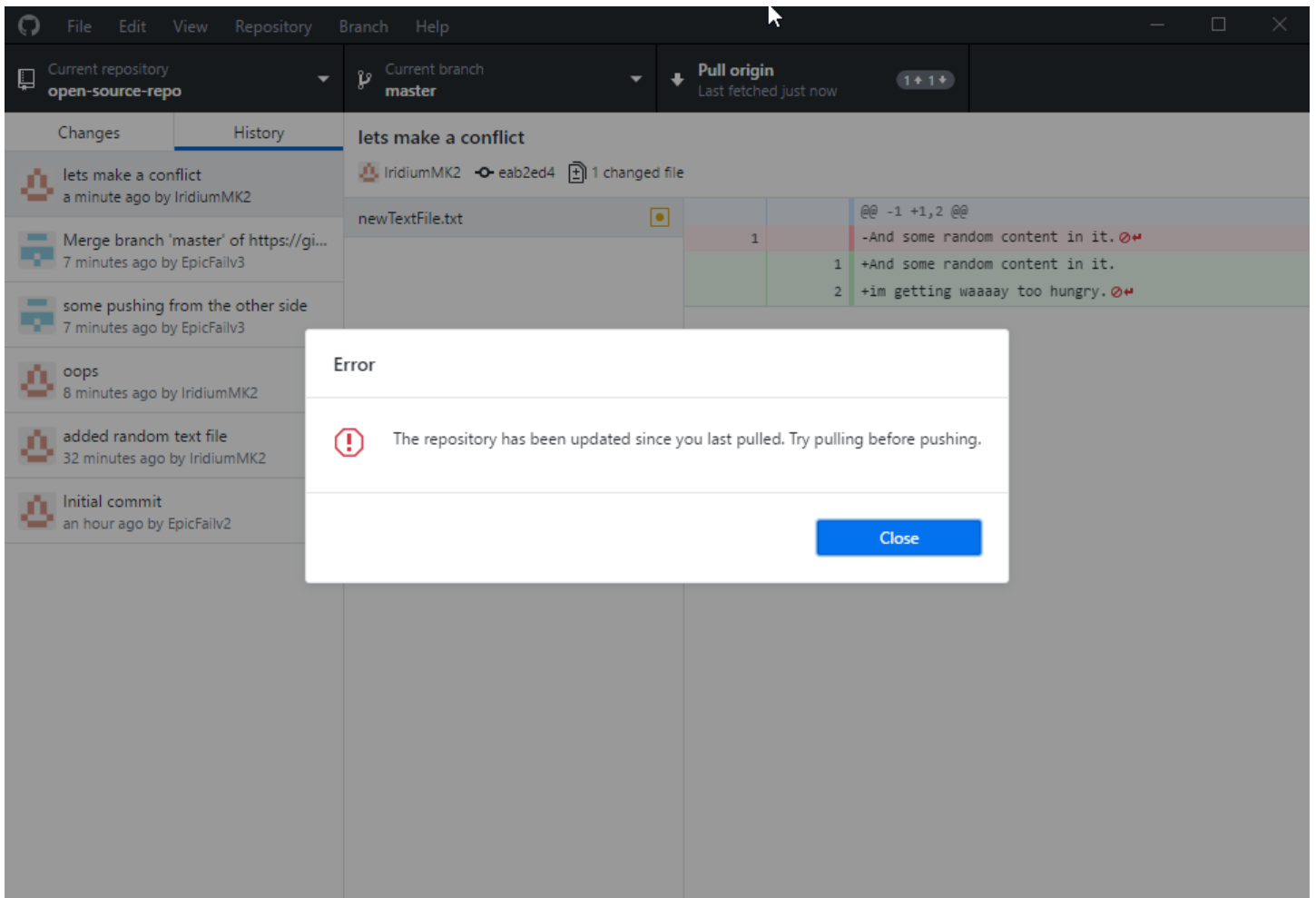


Fig. 15.

Error



We found some conflicts while trying to merge. Please resolve the conflicts and commit the changes.

Close

Fig. 16.

Changes ●

History

1 changed file

newTextFile.txt

newTextFile.txt	
	@@ -1,2 +1,6 @@
1	And some random content in it.
2	-im getting waaaaay too hungry. ↻
2	+<<<<<<< HEAD
3	+im getting waaaaay too hungry.
4	+=====
5	+time to go get something to eat.
6	+>>>>>> 3066f6bbcf4c55bdbabf9fb19d0602f248a2731a

Fig. 17.