

HW 2 DS1002

Follow the instructions to accomplish the tasks below.

Complete the 4 **action items** in bold, entering **solutions into a file** that you'll submit on Collab. A Word doc or equivalent will be suitable as you'll need to include images, but you will submit it in a PDF format.

Make sure your solutions are numbered and easy to read.

1) You are going to fork the **PyTorch** repo to your GitHub account (this creates your **forked copy** that you can modify).

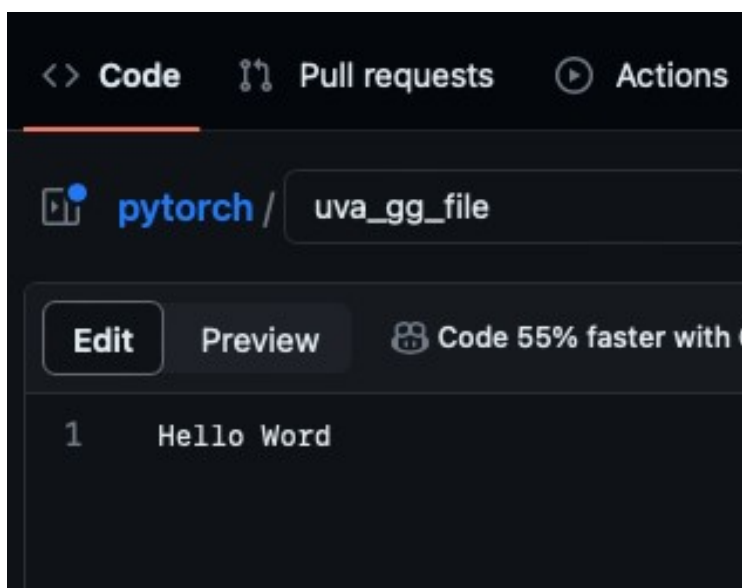
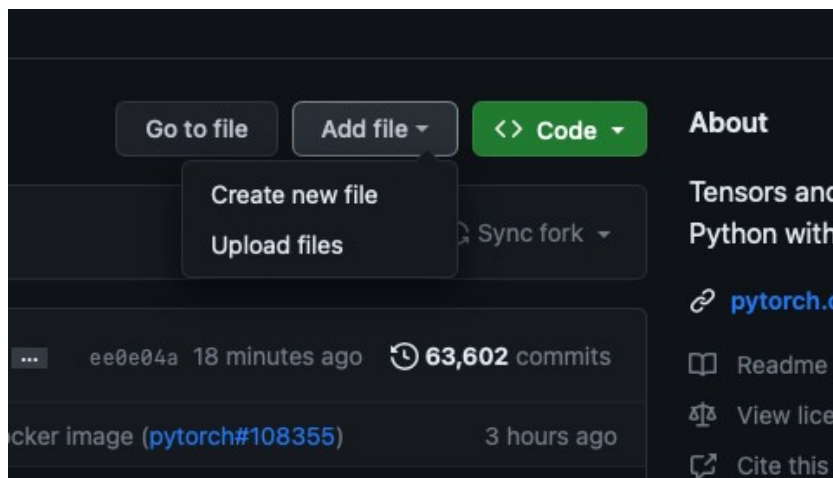
Aside: PyTorch is an open source machine learning library based on the Torch library, used for applications such as computer vision and natural language processing.

Visit this website:

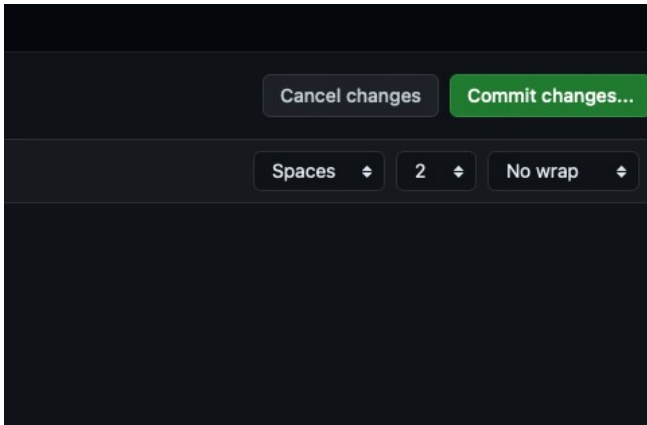
`https://github.com/pytorch/pytorch`

After the fork, you should see the PyTorch repo in your account.

In the GUI, click Add file > Create new file

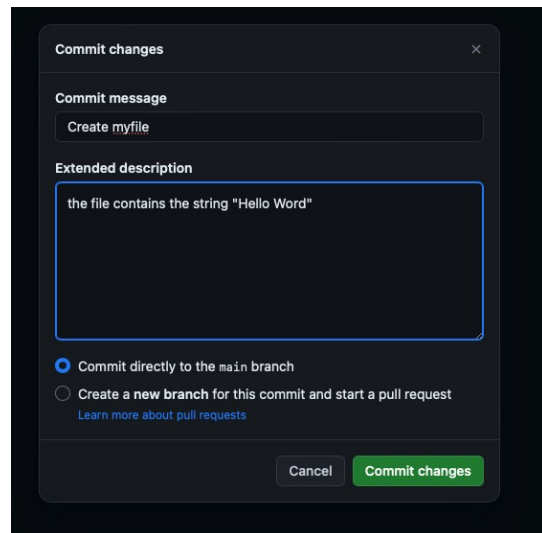


Call the file "uvamyfile" (remove _gg_ from the example in the screenshot) and write "Hello World" in the file

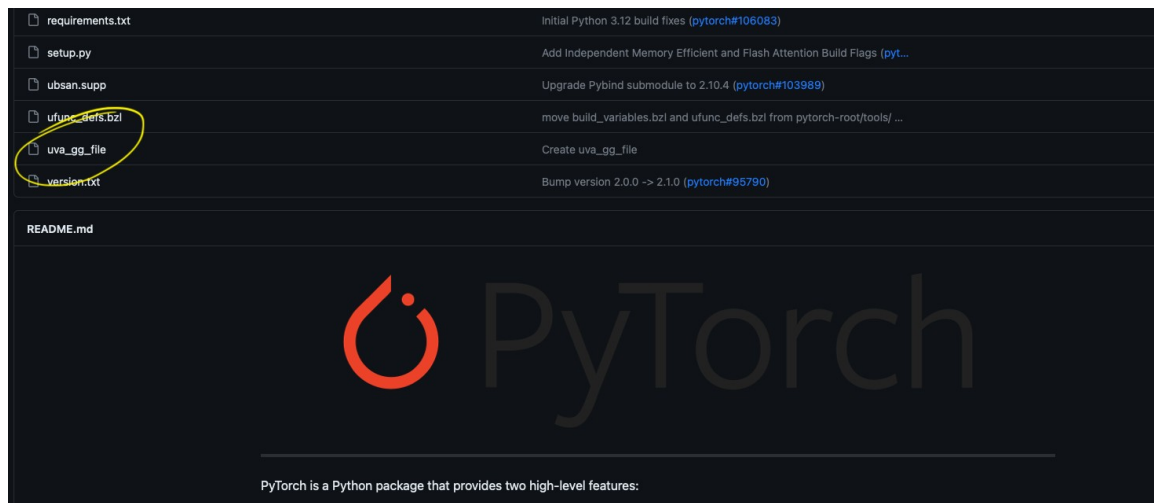


Click the **Commit changes** button.

Commit directly to the main branch.



Now scroll down and you should see your file in the list.



Action Item 1: Take a screen shot which shows uvamyfile and the PyTorch logo at the bottom. Paste the screen shot into your solution file. (1 PT)

2) In the repo open this file

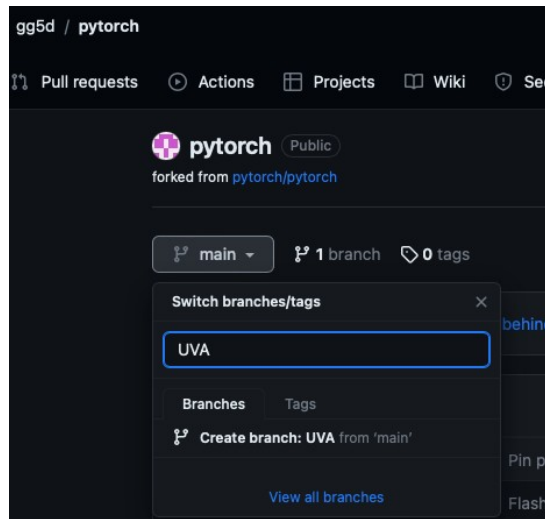
`/pytorch/torch/optim/sparse_adam.py`

look at the components of the file.

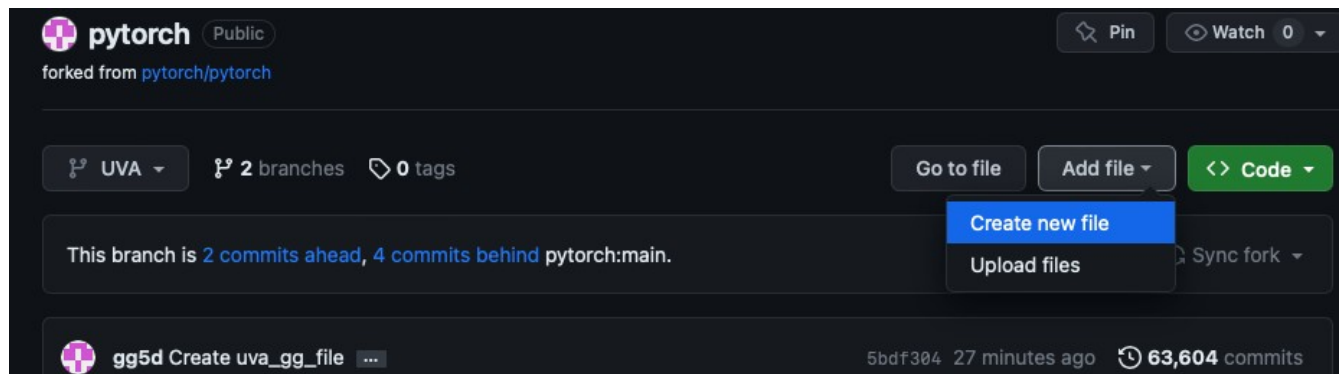
Action Item 2: Search for the word SparseAdam, and count how many times it appears in the file.

Enter this value into your solution file. (1 PT)

3) Create a new branch “UVA”

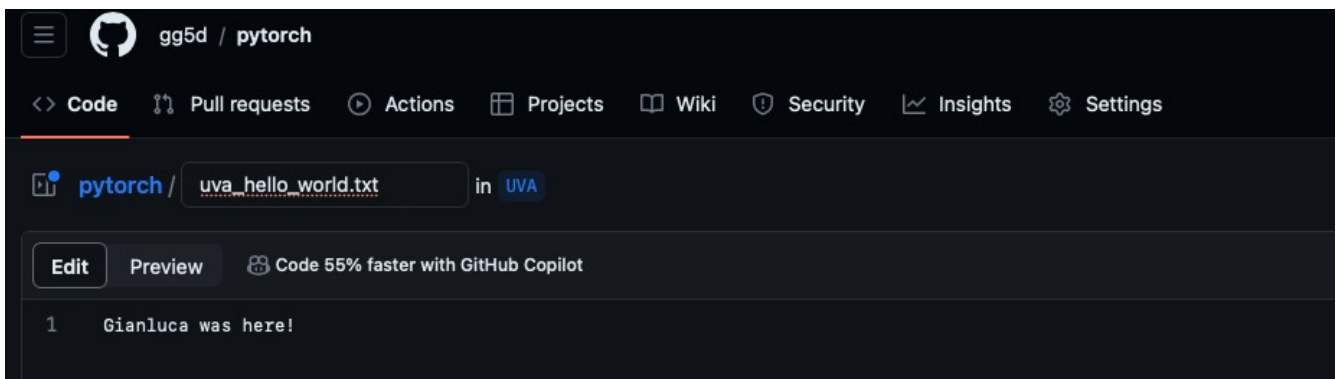


Next, you will create a new file in the new branch UVA

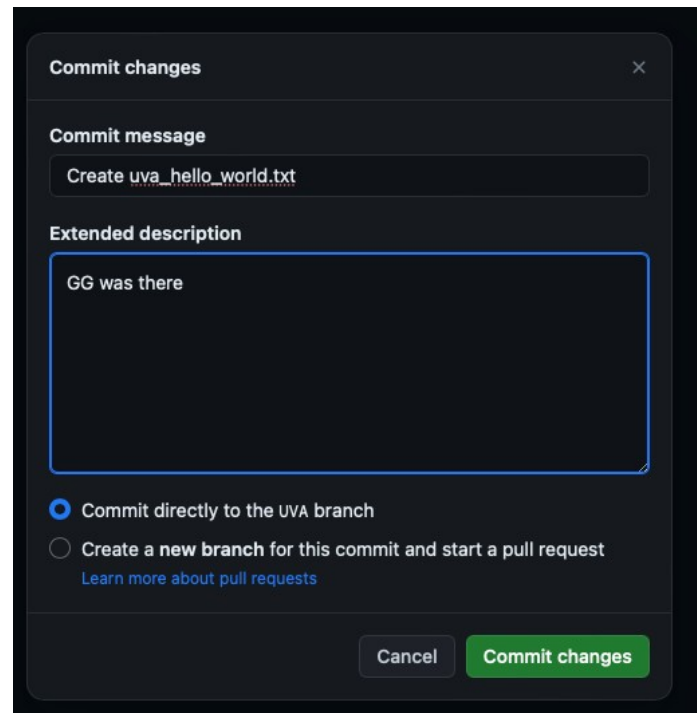


Calling the file `uva_hello_world.txt`.

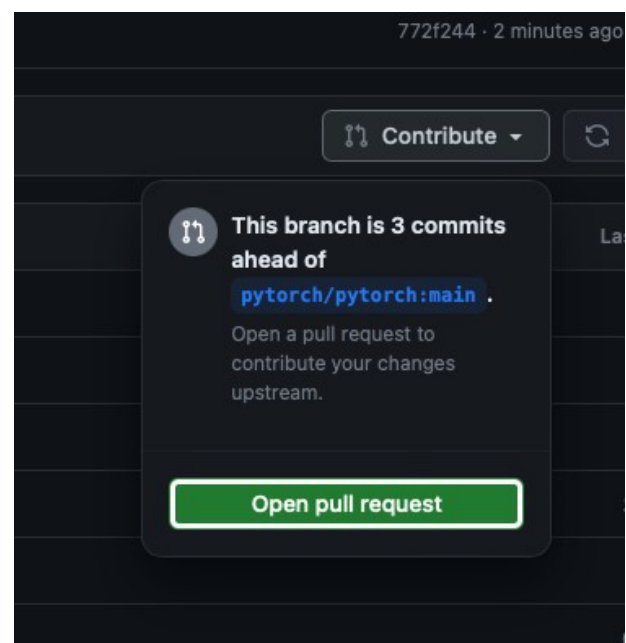
Enter the line: `[your_name] was here!`
where you'll substitute your first name for `[your_name]`



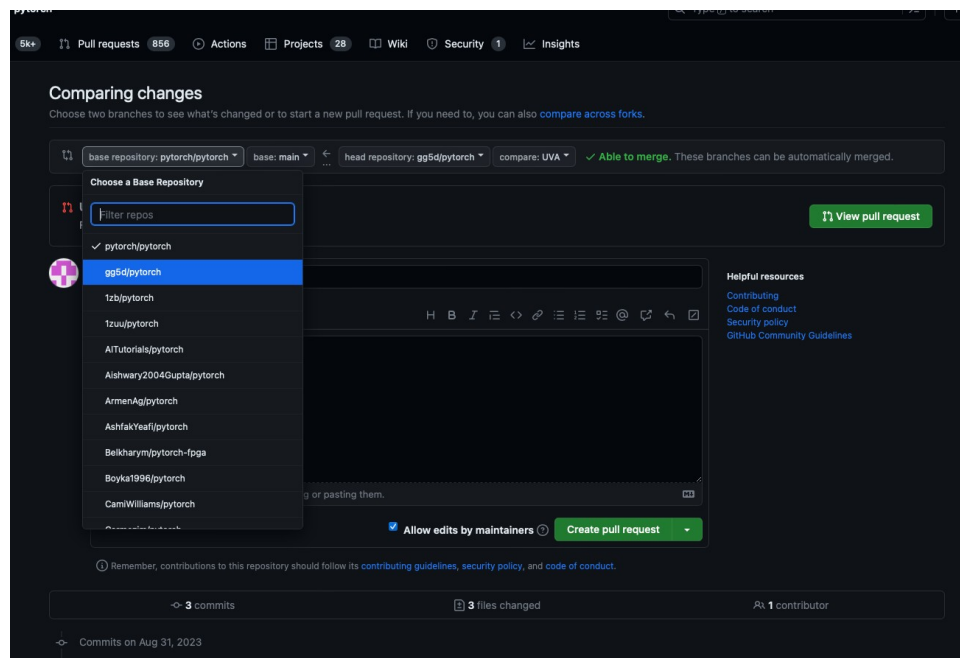
Commit changes



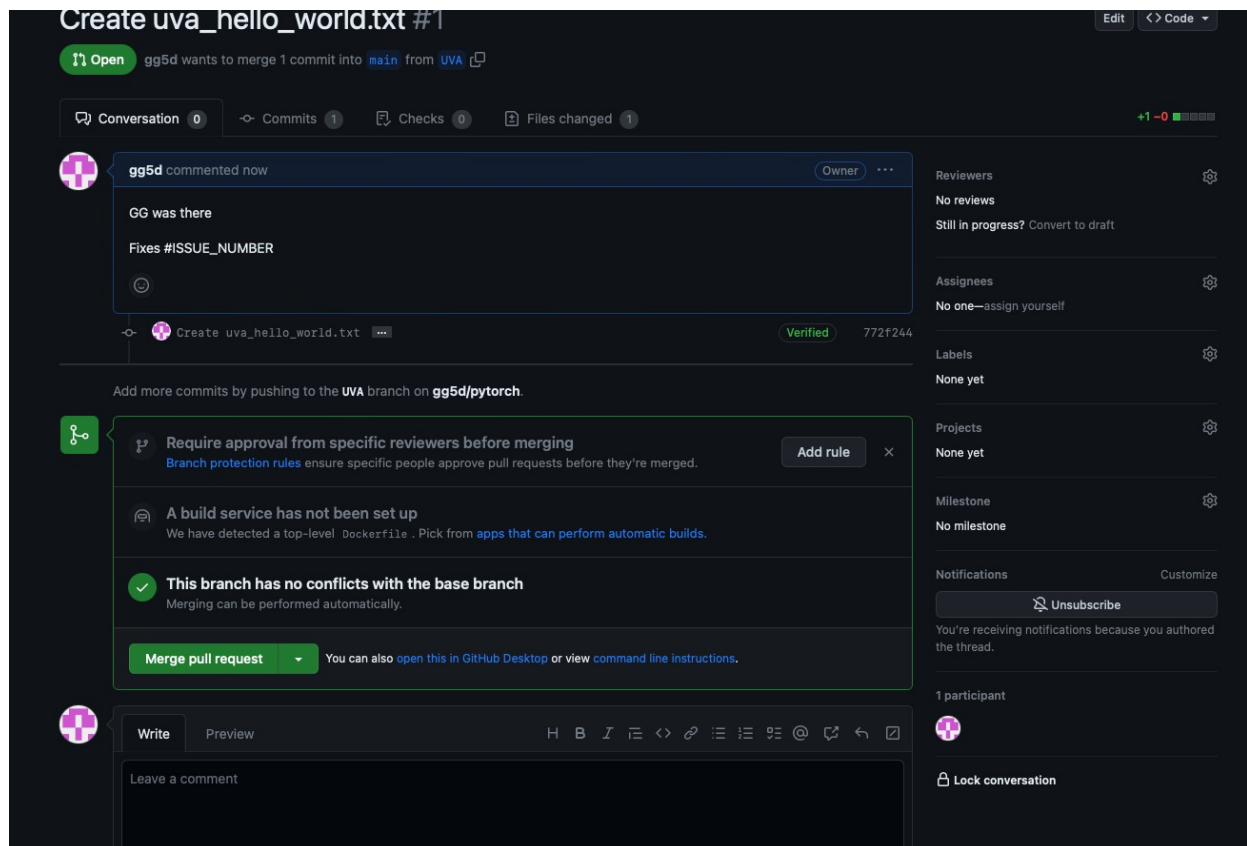
Now **open** a **pull request** to merge the branch into main (you should have 1 commit, unless you did more activities, as I did)



Select your cloned main repository



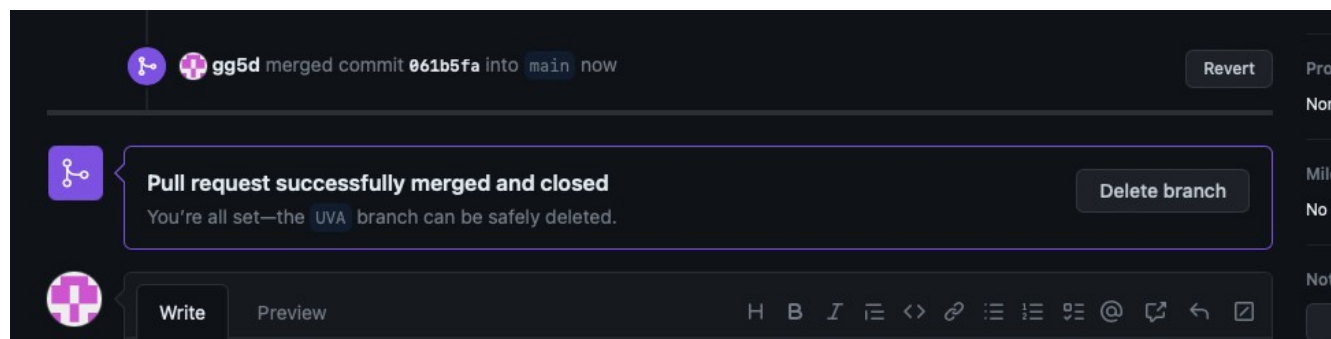
Create a pull request



Merge a pull request

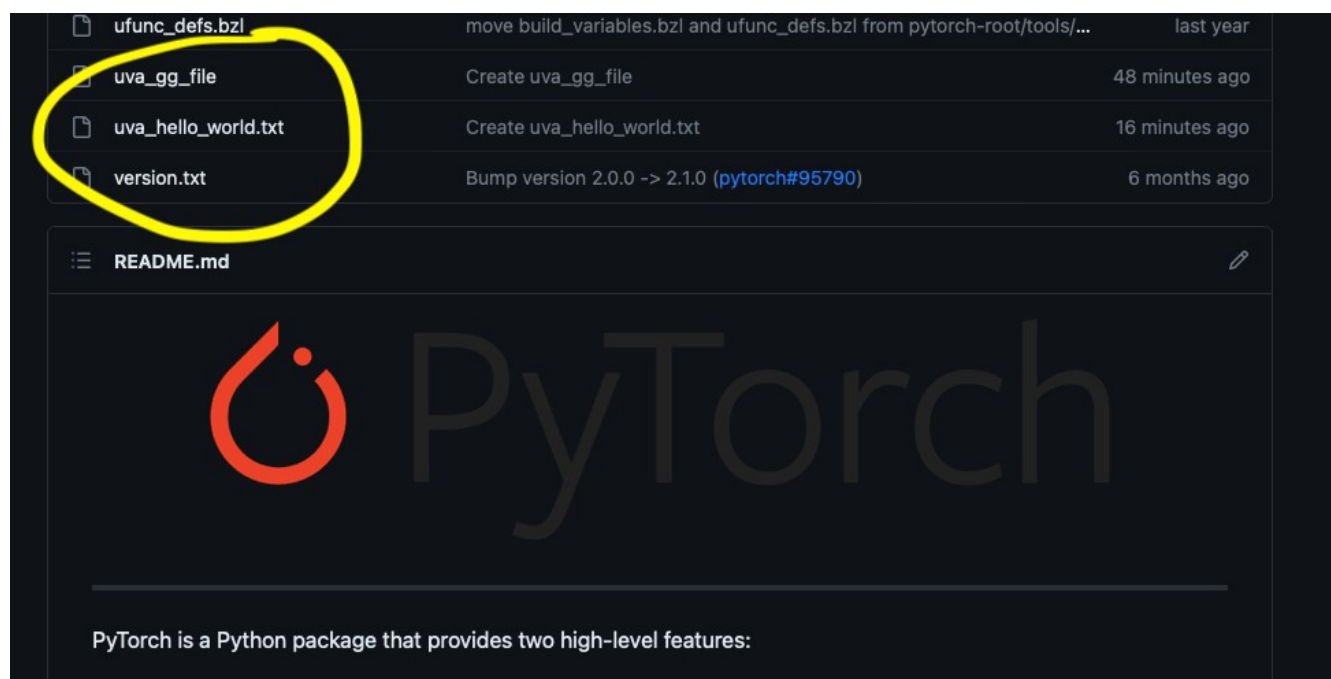
Confirm a pull request

Delete branch



Go back to main, scroll down

Action Item 3: Take a screen shot which shows the hello_world.txt file and the PyTorch logo at the bottom. Paste the screen shot into your solution file. (1 PT)



Action Item 4: Save the solution file with the name hw_02_[Firstname]_[Lastname].pdf where you replace [Lastname] with your Lastname and [Firstname] with your Firstname, e.g. my file would be hw_02_Gianluca_Guadagni.pdf (1 PT)