# Using Source Control Tutorial

## Contents
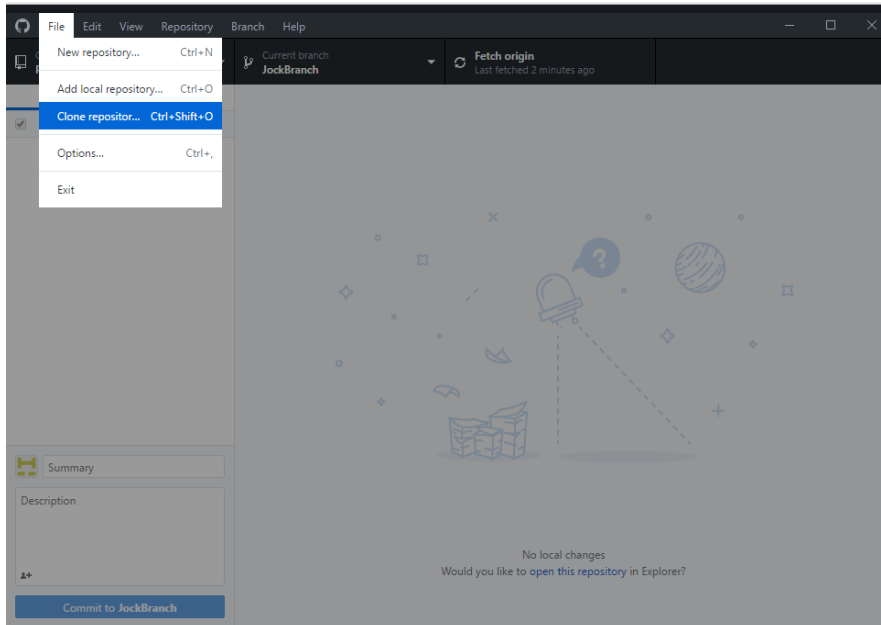
# Download github desktop

Download link here: https://desktop.github.com/
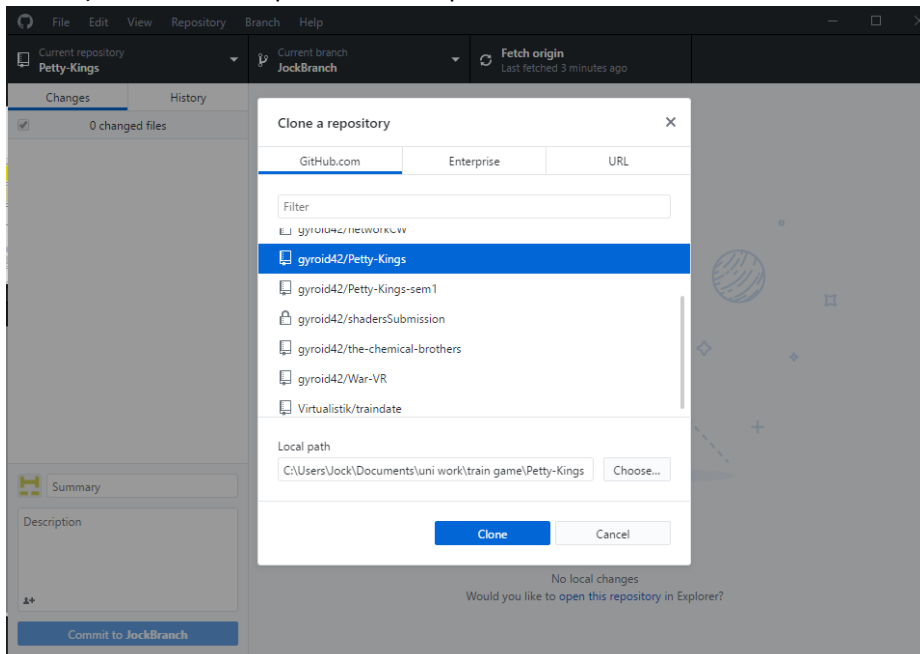
# Cloning the repository

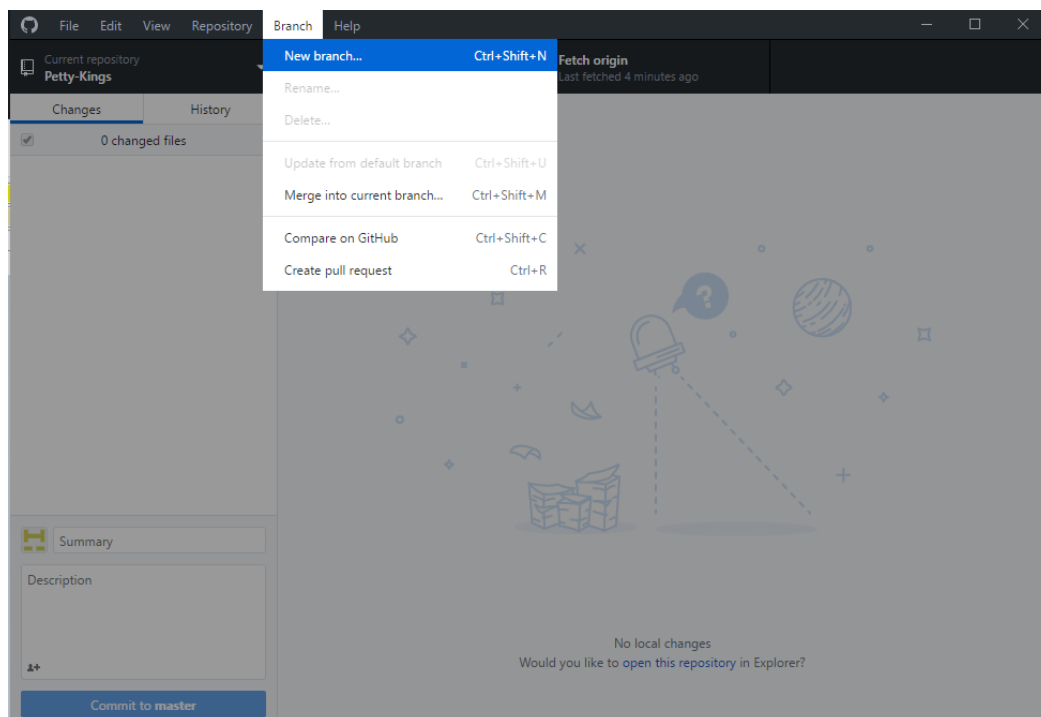To clone the repo goto file and click clone repository



Choose the repo you want to clone (for petty kings choose "Petty-Kings" not "Petty-Kings-Sem1") then choose a path for the repo to be saved
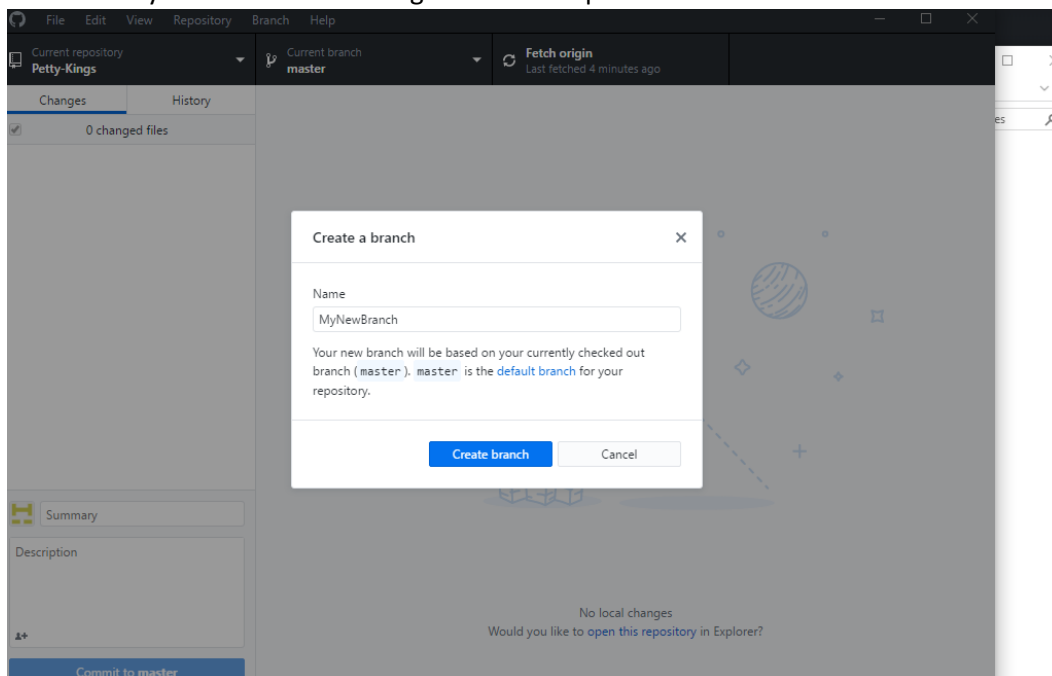


The repo will then be downloaded and you'll have your cloned repo. Before making changes though you're gonna want to create a new branch or change to an existing one so the master branch doesn't break
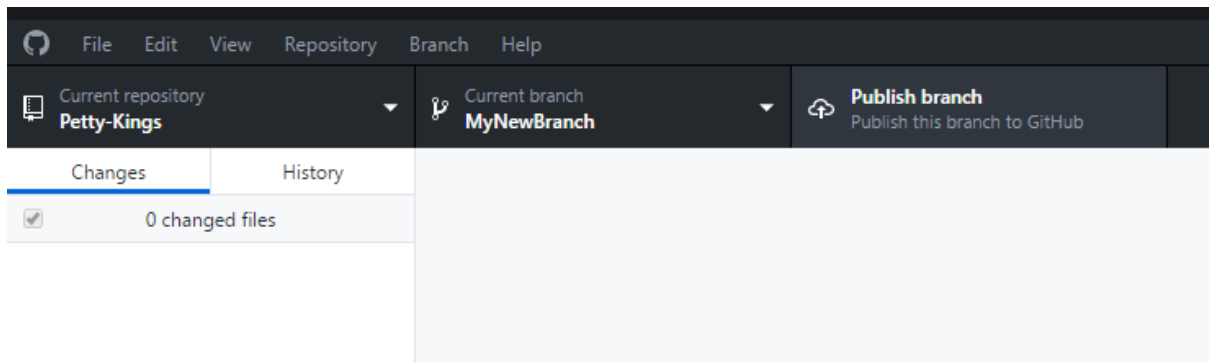
# Changing/Creating a Branch

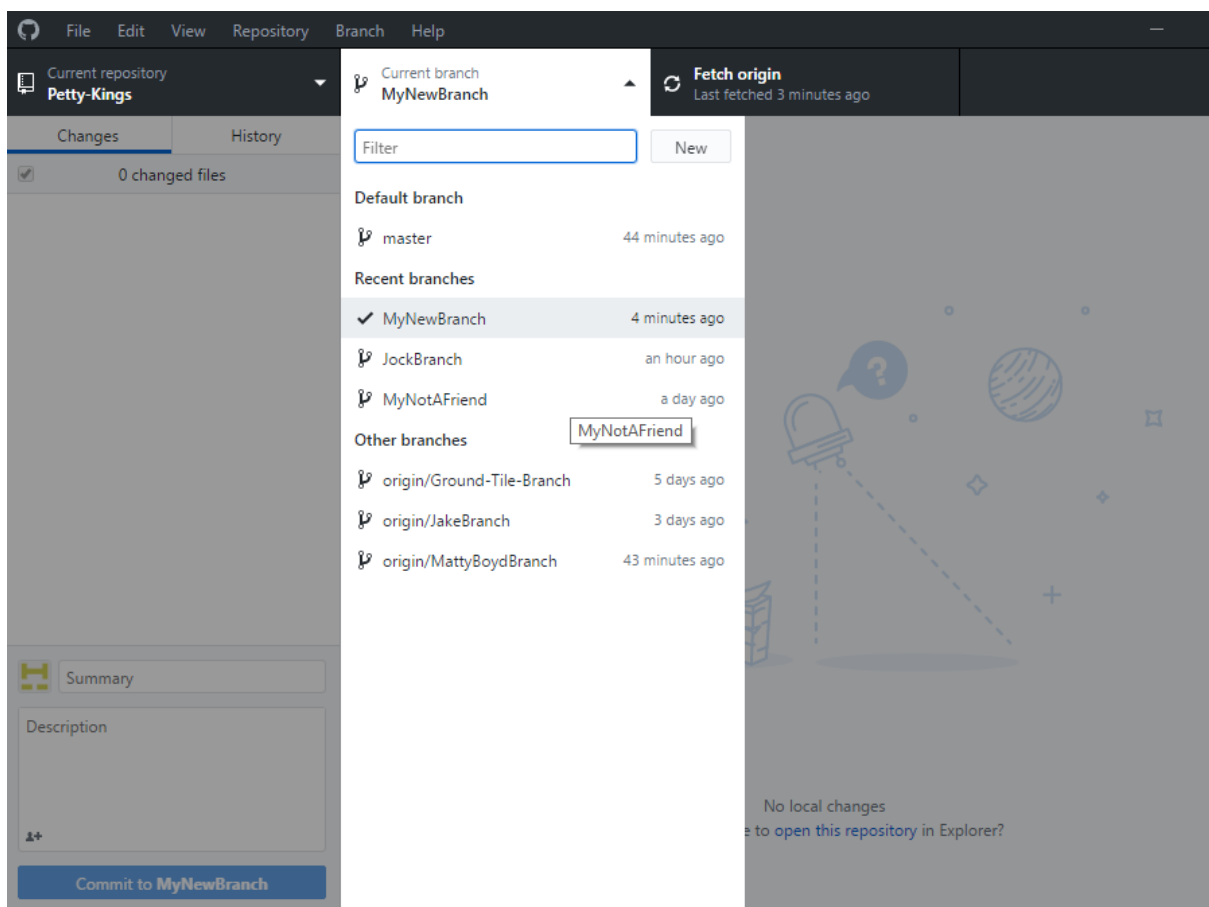To create a new branch goto the branch tab and select new branch



Now Name your branch something sensible and publish it to the server

To change the branch you're currently in just click the button with your current branch on it and it'll give you a list of all the branches of the repo
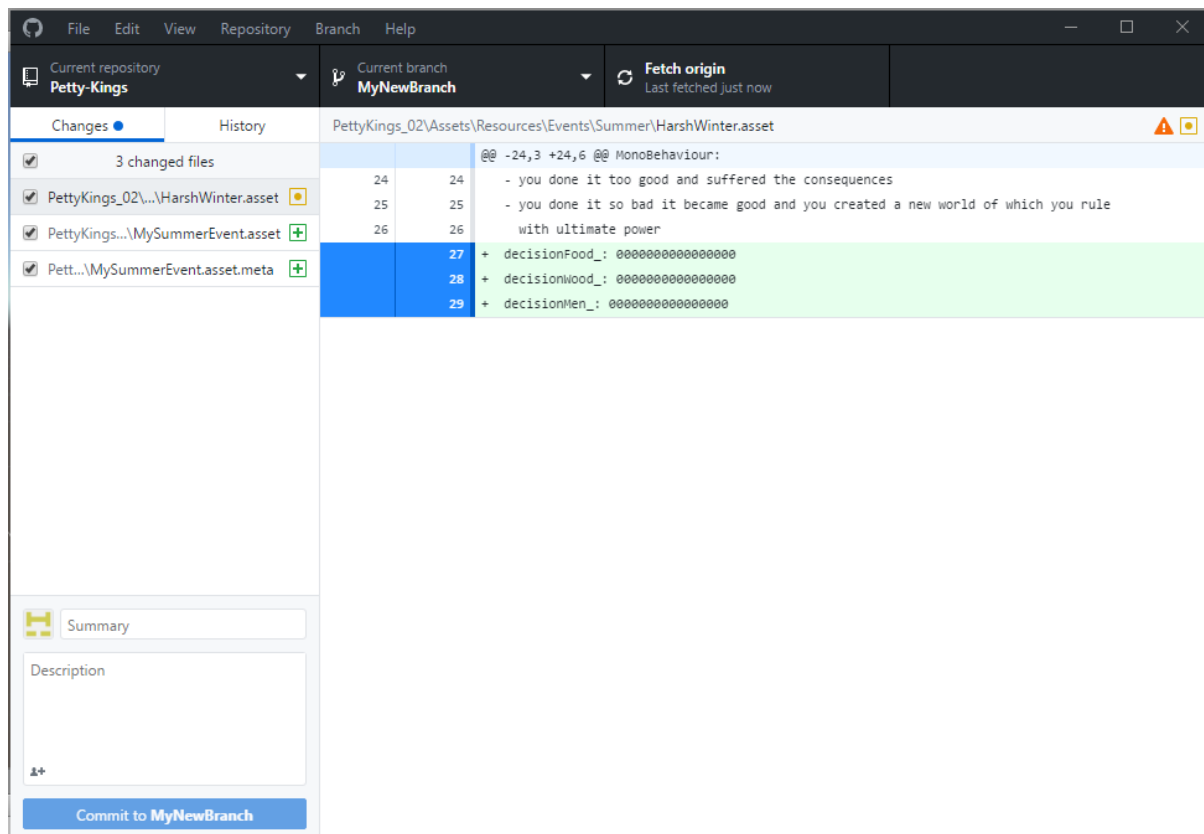
# Committing Changes

*Note make sure you only commit the files you want to actually be changed. You can can revert commits so don't worry if you committed something by accident

After you've done work in your branches and you want to save the changes to your repo. Make sure all the changes have been saved (remember to save the unity seen if you want to keep those changes)

You'll see all the changes made on the left of github client



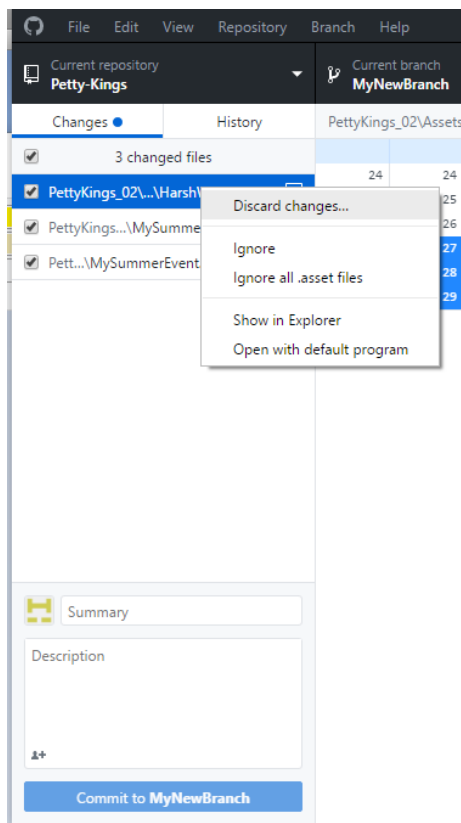You'll see I've edited the HarshWinter event file and added a new event called MySummerEvent.
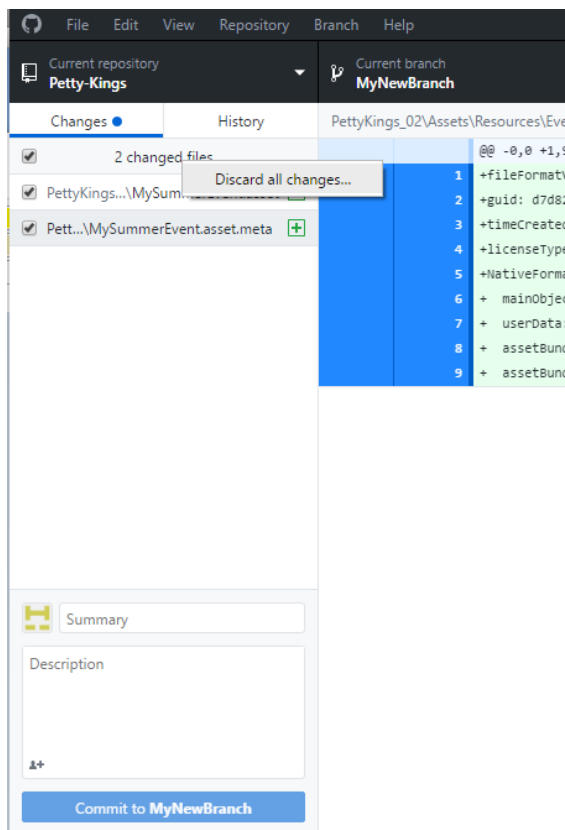
*note the meta files are import! Make sure you commit them with your new files

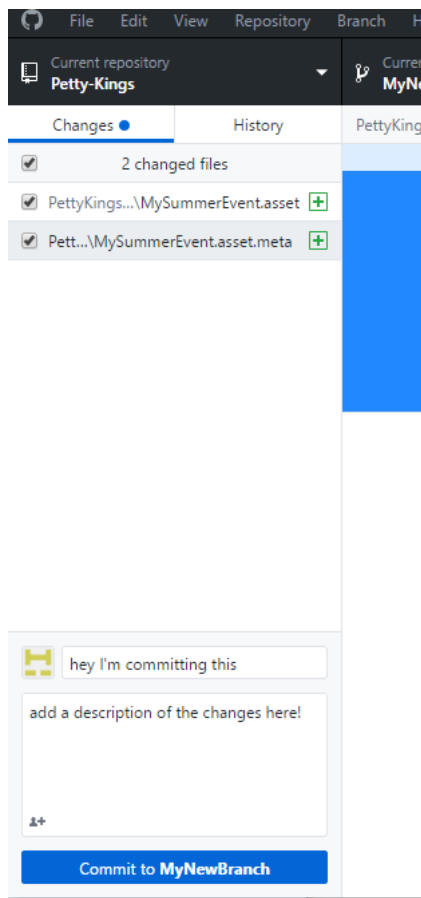To discard changes I've made just right click the file and select discard change

*note discarding the change will remove the change from your local file as well so if you want to not commit that file but still want to keep those changes locally then you don't want to discard the change. (in that case just untick the file you don't want to commit)
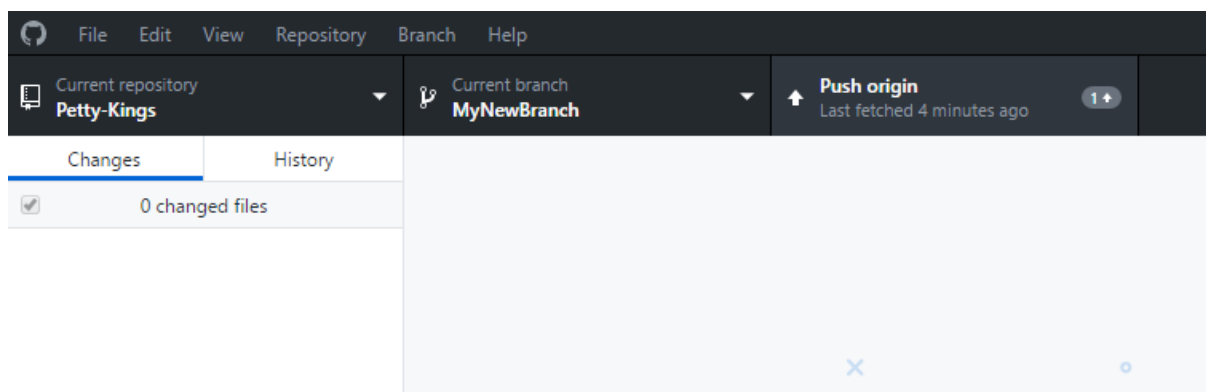
To discard all the changes right click the bit at the top

So now You'll have all the files you want committed ready to be committed. To commit them to the repo, write a summary and description of all the changes you've made then press "Commit to *YourBranchName*"
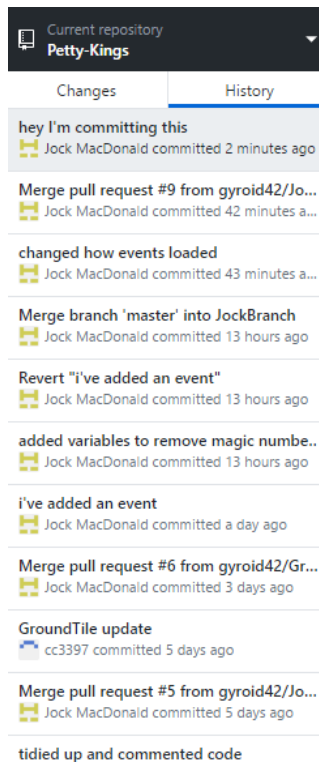


After committing a change you'll most likely want to add the commit to the github server. To do that you just need to click push origin at the top of the application



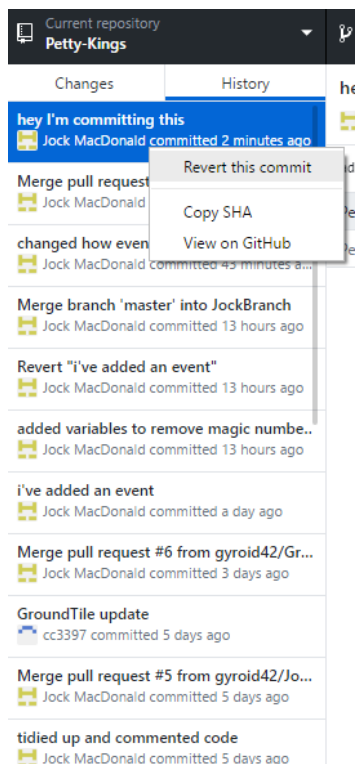You've now successfully committed to your branch

# Reverting Commits

To revert a commit goto the history tab which will show you a list of all the commits made to your branch.



To revert the commit right click on the commit you want to remove and select "revert this commit"

*note make sure you to revert commits in the order you made them if commits were changing the same file. As not doing this could create conflicts
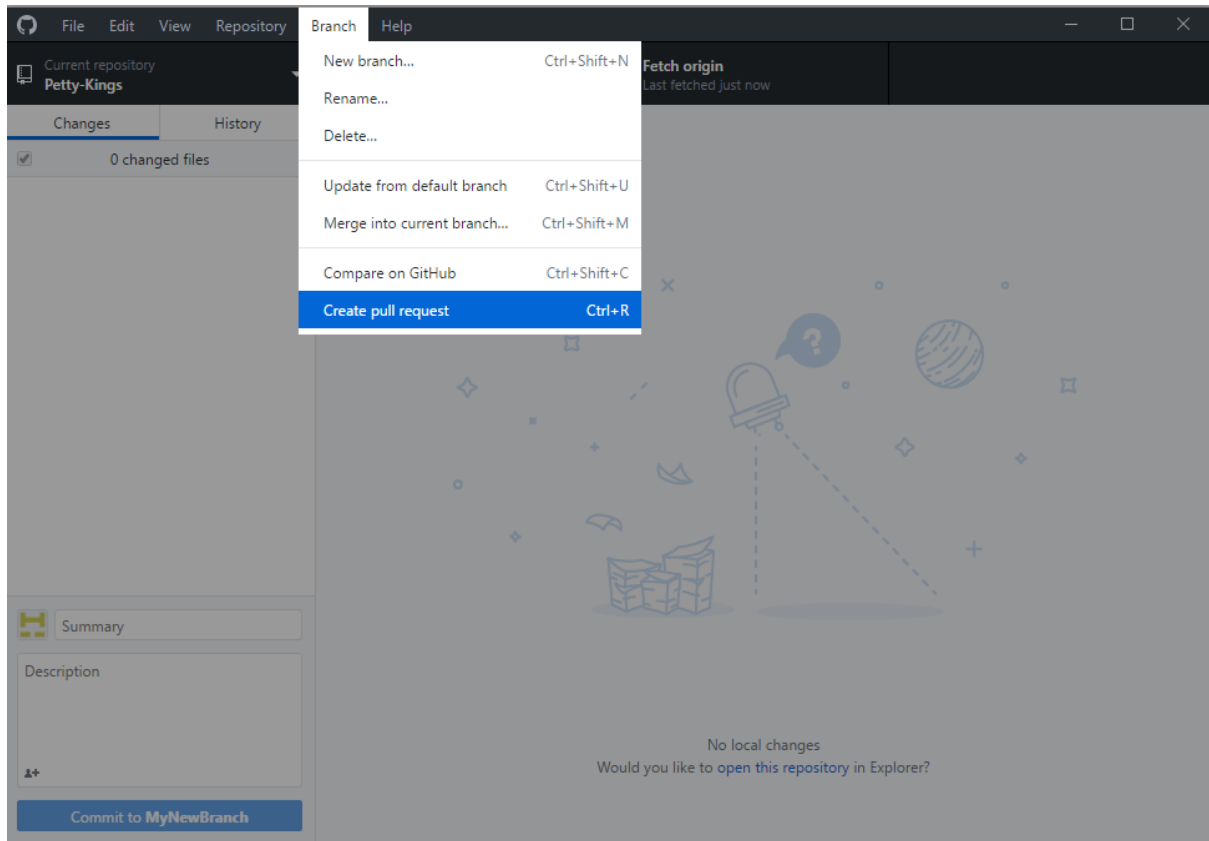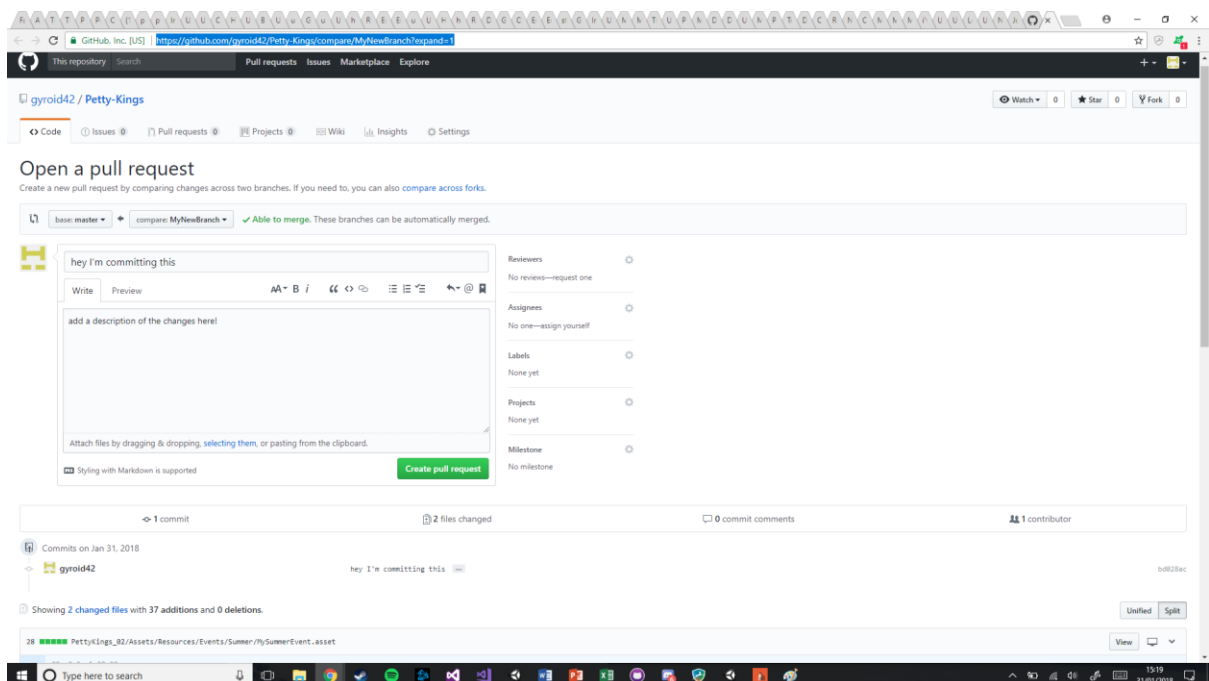
# Creating a Pull Request

Once you've finished working the feature you have been developing and it's ready to be merged with the master build, you'll want to create pull request.

To create pull request you goto the branch tab and select "create pull request"



This will open up your browser with this page

Here you should add a name of the feature and a description of all the things being added/removed/changed by merging the branch.

After that just click "create pull request" and the request will be made.

You're job is kinda done now.

The lead programmer will then check for any conflicts/mistakes with the merge. If everything is fine the branch will be merged and the new feature added to the master branch.

If changes to the pull request needs to be made the lead programmer will leave comments on the pull request and send it back to you to be changed.