# GitHub Tutorial

### Goals for this tutorial:

- 1. Create a GitHub account
- 2. Create a branch
- 3. Commit a file
- 4. Create a pull request
- 5. Merge a pull request
- 6. Comment on a pull request
- 7. Use Markdown to add lists, images, and links in a comment or text file
- 8. Create a merge conflict
- 9. Resolve a merge conflict

#### **General Instructions:**

Code repositories are an industry standard when it comes to coordinating and facilitating large software development projects involving multiple developers and parties. GitHub is a widely used, free, online code repository, and you will be required to use it for your second project this semester. Thus, this tutorial is designed to give you a bit of practice in using GitHub. Note, that if you have already completed the tutorial you should delete your old repository and start the tutorial fresh, as some of the steps may have changed.

#### **GitHub Practice**

To complete this tutorial you will need to complete the following steps:

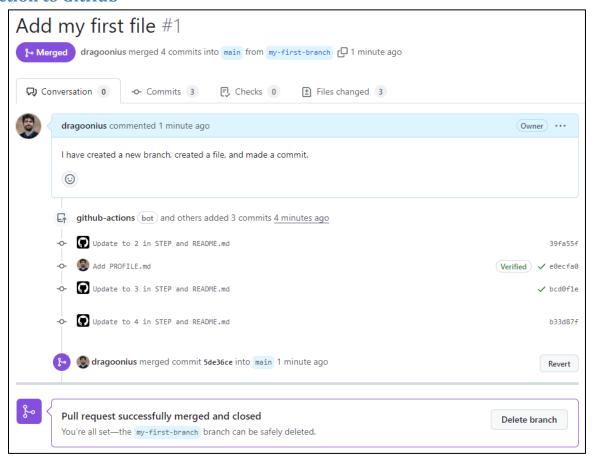
- 1. Create a GitHub account (<a href="https://github.com/">https://github.com/</a>)
- 2. Complete the tutorials:
  - a. Introduction to GitHub (Name the repository introduction-to-github)
  - b. Communicate Using Markdown (Name the repository communicate-using-markdown)
  - c. Review Pull Requests (Name the repository review-pull-requests)
  - d. Resolve Merge Conflicts (Name the repository resolve-merge-conflicts)

Note, sometimes it take a bit of time for GitHub to automatically update and recognize you have completed a step of the tutorial, so please be patient. Make sure you merge the pull request after all of the steps are completed (the pull request should be marked as Merged and turn purple).

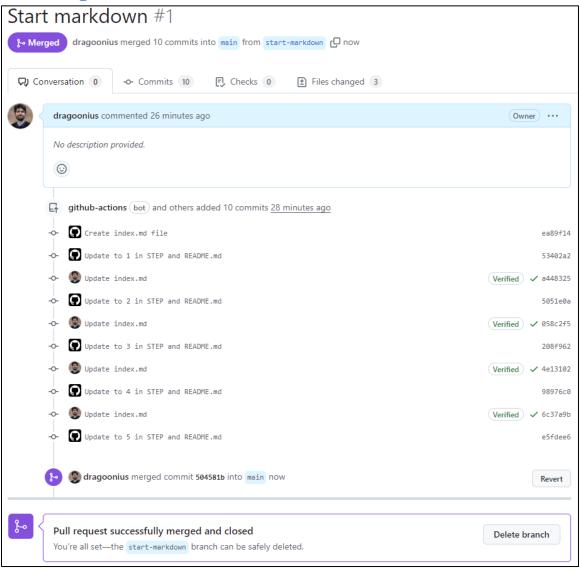
#### **Submission**

Once you have fully completed a tutorial, you must take a screenshot of the successful merging of your pull request, after you have completed all of the steps. Please only submit .jpg or .png files for each tutorial screenshot. Below are examples of what the screenshots should look like:

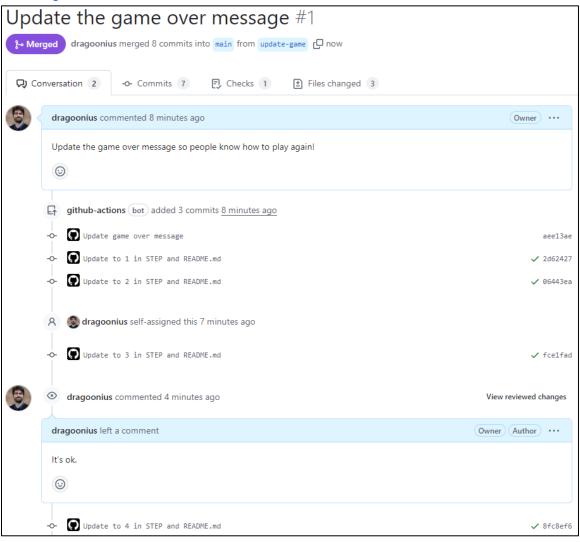
# **Introduction to GitHub**

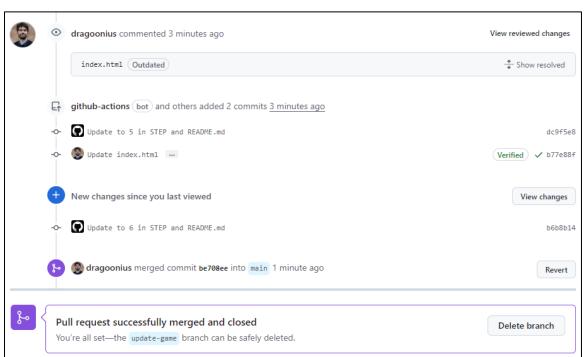


# **Communicate Using Markdown**

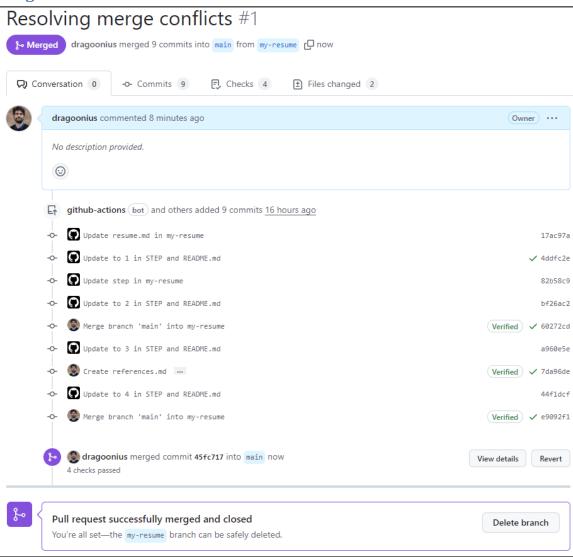


# **Review Pull Requests**





# **Resolve Merge Conflicts**



You must submit your screenshots via Canvas by the posted due date. Remember, using code repositories is a skill that you will almost certainly be expected to utilize at some point in the software development world, so make sure you take your time on these tutorials and ask if you have any questions.