# Worksheet 4 – Group Work

1. Click on the invitation link.
2. Create a new team or join a team if the teams already have been created. You must join a team if there is one already and is still not full (each team should have 2 students).
3. Accept the assignment and note that this is just a new repo created on GitHub in the SCC-Computer-Careers organization account. When you click on your GitHub home page (the Octocat icon in the upper-left), you will see this new repo in your GitHub account’s repos list under Your teams, so you can always access it from there.
4. Decide who on your team is the REVIEWER and who is the CONTRIBUTOR. (Later, you will switch these roles.)

**CONTRIBUTOR’s Steps:**

1. Clone the group assignment repo to your local machine.
2. Open it in VS Code or another editor.
3. Create a new branch and check it out.
4. On your new branch, add a new .txt file. In this new file, write a short sentence that has a syntax error.
5. Add and commit this new file to your current branch.
6. Push the code from your new branch to the remote repo you cloned. (You can do so by typing
   * git push -u origin *your-dev-branch-name*) This will create a remote version of your dev branch.
7. Go to the GitHub location of this group project repository you cloned.
8. Create a new pull request to merge the branch you pushed with the master branch of the project: make sure to select your teammate(s) as the reviewer(s) (on the right-hand side) and also add a pull request comment describing what is in your code contribution.

**REVIEWER’s Steps:**

1. Click on the **Pull requests** tab of the group assignment and look for the pull request(s) of your teammate(s). Click on their pull request.
   * You should see a message at the top that your teammate requested a review from you. Click on the **Add your review** button.
     + Note: you can also start a review by clicking on the **Files Changed** tab.
   * Hover over, and when you see a plus sign, click by the line of code you think is incorrect.
   * Add a comment and click **Start a review** button. Then click **Finish your review.**
   * Write a comment, select **Request Changes** option, and click on **Submit Review**.

**CONTRIBUTOR’s Steps:**

1. Click on the **Pull requests** again and go to your pull request that you submitted.
2. Check if your teammate(s) approved it or requested some changes before they approve it.
3. If they requested modifications, make any necessary changes by editing your dev branch on your local machine.
4. Stage, commit, and push to your remote dev branch again.
5. By using the GitHub’s **Conversations** tab of the pull request, send a reply to your teammate(s) that you did make the changes.

**REVIEWER’s Steps:**

1. Once you see the reply from your teammate on the **Conversations** tab, go back to the **Files Changed** tab and click the **Review Changes** button again. This time, select “Approve” if all is good, leave a comment and click the **Submit review** button.
2. Go back to **Conversations,** note the “Changes approved” status, and merge their pull request.
3. Delete their dev branch from the GitHub repo of the team project (there should be a **Delete branch** button right when you close the pull request.).

## Part 2

Now, switch the roles: the **reviewer** completes the steps of the **contributor** and vice-versa!