CST 2406 – Systems Design and Analysis – Homework 1

Git workflow scenarios – In each scenario assume the user name is squash\_addict and the repository name is called ramy\_ashour\_2406. Give the exact commands required in each scenario.

**Scenario 1**: no flashdrive, using a public computer. Assuming a github repository already exists, explain the steps necessary to modify a file that already exists in the repository.

* 1. \*Install a GIT client (not necessary for linux, unix, mac os)
  2. Clone
     + GIT Clone https://github.com/squash\_addict / ramy\_ashour\_2406
  3. Modify, add, or remove files
  4. Add (Stage) or remove files
     + GIT ADD <THE FILES YOU WORKED ON>
  5. GIT COMMIT -M “<WRITE SOME DESCRIPTION>”
  6. GIT PUSH -U ORIGIN MASTER

**Scenario 2**: using a private computer. Assuming a github repository already exists but isn’t currently on the laptop in question, explain the steps necessary to remove a file from the project.

1. \*Install a GIT client (not necessary for linux, unix, mac os)
2. Clone
   * + GIT Clone https://github.com/squash\_addict / ramy\_ashour\_2406
3. Modify, add, or remove files
4. Remove files
   1. git rm <THE FILE(S) YOU WANT TO REMOVE>
5. GIT COMMIT -M “<WRITE SOME DESCRIPTION>”
6. GIT PUSH -U ORIGIN MASTER

**Scenario 3**: copy of repository on flashdrive, using a public computer. Assuming you already have a copy of your repository on a flashdrive, explain the steps necessary to add a new file to the project.

1. Add (Stage) or remove files
   1. GIT ADD <THE FILES YOU WORKED ON>
2. GIT COMMIT -M “<WRITE SOME DESCRIPTION>”
3. GIT PUSH -U ORIGIN MASTER

**Scenario 4**: two or more private computers, multiple participants. Assuming a github repository exists on several private computers and is being modified by various participants over time, explain the steps necessary for you to modify a file in the project. Assume that you’ve just been notified by one of your team members that they’ve just updated the project.

1. Git pull origin master

PERT: Create a PERT which illustrates the tasks that you’ll need to complete for your class project, including estimations of most likely duration as described in class and in the text.

Gantt: Create a Gantt which illustrates the tasks that you’ll need to complete for your class project.