Jack Sandberg

Problem Set 1

Info 3401

1.  Taylor Lawrence
    a.  She is an equal rights advocate (Facebook)
    b.  This summer, she interned at NCWIT (LinkedIn)
    c.  She played soccer in high school (Maxpreps)
    d.  She likes Kanye West & his music (twitter reposts)
    e.  She is a founding member of the InfoBuffs (In person)

2.  Scenarios in which having version control would help manage a project:
    a.  If you were working on a project, and found yourself stuck, you might benefit from version control. You could branch your project, and ask others to help you figure it out. By doing so, you would have a copy of the code/work, and others would be able to work on it as well, without the risk of messing it up further.

    b.  While coding, its easy to make mistakes and move on without realizing you've made one. If you make a mistake on a section of code and move on and start working on a different section, you might forget what the first sections code did. Later on, if you have version control and save/commit/push often, you could go back and look at the version from the time in which you were working on that first section, and save yourself hassle by figuring out what you changed that made the whole thing go wacky.

    c.  While coding, often times you can think of multiple ways to tackle one problem. Using version control, you could easily have multiple versions of the same program, each using different code, to find out which way you prefer more.

3.  Link to Repo: https://github.com/josa5420/3401Assignment1Repo

4.  We got an error when trying to push at the same time. One of us was able to submit and push to the repository, but Kexin got an error message. When trying to pull after that,

she got an error message that said something along the lines of "try pulling again, changes have been made since you last pulled". We acknowledged that since we were both trying to edit the same document, this wasn't going to work, so since my changes went through, Kexin copied her changes, repulled the document, then added them on to my submitted version.

5. What strategies might you use when architecting and managing a collaborative project that may help you make the best use of version control? Name at least three and discuss why you think they'll be helpful.
    a. I think a general rule for collaborative projects would be to pull, save, and push your work often. Since it would be a big waste for several people to do the same work without realizing it, pulling and pushing often would help prevent this and allow collaborators to stay updated.
    b. When managing a collaborative project, this implies that multiple people would be working on one project. To maximize and disperse the workload, assigning people different jobs would be effective since each member could tackle a portion of the larger problem. Version control would allow members to work simultaneously on one project without interfering with each others' work.
    c. If one part of a larger problem was proving itself difficult for a team member, version control would be able to help. Since version control forces one to describe their changes when pushing, members can ask for help, and communicate their struggles to the other members, and allow other people to step in and help them if need be. This would be most effective if members were constantly pulling and refreshing the project.