**Taylor Lawrence**

**Problem set 1**

**Question 1**

Hannah Weber

1. Studies at University of Colorado Boulder - Facebook
2. Assistant Director of Extension services - Linkedin
3. Played Basketball - maxpreps
4. Went to Ralston valley high school - hudl.com
5. Lives in Arvada CO - White pages

**Question 2**

3 ways version control will help you manage a project?

1. It can help track your steps and keep your projects history. For example if something goes wrong later on in the project, for instance your code gets messed up or something in your code is now note working and you need to find where in your teams process it went wrong, version control allows for you to go back in each step and look at the code along the way to see where the problem started. Without version control it would be a guessing game as to where things went wrong and you would never be able to fix it not only for your current project but for future projects to come.
2. Say you are doing a project with a stakeholder and currently everything is going great and all of your code is working, then the stakeholder suddenly wants to go in another direction with the project, perhaps try and make it more advanced, version control allows for you have the copies of the code that works and allows for you to continue working and try to make it better and if you can’t or run into problems, you have your old code to either look back on and see if it will help you fix your mistakes or you have it incase what the stakeholder is asking for is not realistic and you need to revert back to the original code.
3. If you were to ever need help on something to do with your code, having each version of what you did along the way can help others be able to look over your work and see where you went wrong, and vice versa, if you are helping someone with their code and you are using yours as an example, showing them an entire process helps others learn better so they can see why you did what you did, and it helps them to understand what needs to be done in certain situations such as yours.

**Question 3**

<https://github.com/tala3849/testrepo3401/commits/master>

**Question 4**

(worked with Jacob Paul)

When Jacob and I tried to push at the same time I got an error message then I tried again to push it and I got another error message saying

“The repository has been updated since you last pulled. Try pulling before pushing.”

The way we fixed it was I pulled the repo and then it had to merge the branch master to ultimately solve the issues of us pushing at the same time. Once it was merged it then let us push our repos.

**Question 5**

1. If it was a collaborative project, I would have one side of the team make a version of their code and the other make a version and be able to work together to see how they can merge ideas and make the best version possible with two versions of one idea.
2. If I were to be managing and architecting a collaborative project I would want to have version control so that whatever you are making you are able to have the ability to show that you are the team that made the code and when you are willing to share with others you can show your process to help.
3. Managing a collaborative project can get messy and hectic and being able to have a map of every step each side of the team made, can help with organizing what steps go next, it can keep everyone in check to show what it happening every moment so that in such cases when collaborating there can be a lot of ideas rolling around and having version control keeps all the ideas somewhere so that no idea is lost but there is a way to build off of everyone’s ideas to lead to an ultimate goal.