Level 4: Version Control Systems (VCS)

Research and answer the following questions by saving your work in a Word document as follows:

a) Make sure your file name has a descriptive format such as

“Module D1 Level4 Answers.docx”.

b) Upload your answer file to a folder titled “Module D Answers” in your GitHub repository

c) Email Mr. Nestor (gregory.nestor@peelsb.com) to look at your repository when you are finished. (e.g. “Mr. Nestor please look at my Module D1 Level 4 answers.”)

Suggested web resources:

• https://www.atlassian.com/git/tutorials/what-is-version-control

• https://www.git-tower.com/learn/git/ebook/en/command-line/basics/why-use-version-control

1. Research about Version Control Systems (VCS) for software development and list at least 4 main features of a VCS.

The four main features of a VCS are using special kind of database, keeps track of modifications to source codes (programmers can go back to previous versions of a file), helps solve computer problems and it allows many ways for a software developer to create a program a software.

2. Explain why professional software developers use a VCS and why it would be helpful in this course.

It would be helpful because it keeps track of all versions of a file and so the we could access the information at a later date.

3. Explain the term “Collaboration” and how GitHub will allow you to collaborate with your teacher and other members of your work group.

Collaboration means that you work with a group of people and or as a team. Github lets you collaborate with your teacher because by adding files to your repository it allows your teacher to access them and to work together.

4. Explain the term “Backup” and how GitHub will help you to backup your work files.

Backup means to have a support stand or something that will have you protected in case something goes wrong. In Github it saves all of your work files so they can’t be deleted or lost.

5. Explain the term “Version Control” and how GitHub version control will be useful in this course.

Version control is basically a way of keeping track of your files and date accessed. In Github this will be useful for the files you upload to your repository and to know what you last did whether it was add a file edit a file or delete a file. It makes the files easily accessible and makes it easy to upload.

6. Explain the term “Distributed Access” and how GitHub distributed access will be useful in this course.

Distributed access means how people would access files and other information. It is important in Github because it allows you to look at other peoples repositories and for other people to look at your repository.