Module D.1 – Level 4 Answers

1. Four main features of a version control system (VCS) are keeping track of each and every modification to the source code. Users can also go back to all previous work by VCS storing previous versions in the source code. It doesn’t disturb all team members and there is reduces the amount of work. Other features are that the VCS helps trams solve different computer problems and a good version control software supports a developer’s wanted workflow without imposing one specific way of working.
2. Professional software developers use a VCS because it has many benefits such as having a complete long-term change history of every file. A VCS would be helpful in this course because all our files will be updated and clear. It would also let us view and make changes to older versions of our work. Basically we will be able to have all our work backed up.
3. Collaboration is when you work with people to do something. The VCS will let everyone on a software team have their own freedom when working on any file whenever they can. The VCS will also allow you to merge all the changes made into a common version. GitHub will allow me to work and view the same files as my teacher and other members of my group at the same time and it would not bother the other people and their work. This will make work more faster, efficient and effective.
4. Backup is the procedure for making extra copies of data in case the original is damaged or lost. GitHub will allow everybody in a group to have a full-blown version of the project for themselves, including all of the project’s history.
5. A version control can be thought of as a kind of “database”. It allows you to save versions of your whole project at any time you want. When you see an older version, your VCS shows you exactly how it was different from the previous one. GitHub's version control will be useful in this course because it will let us view our old projects, see what mistakes we made and correct those mistakes.
6. Distributed access is when many people (that can be in a group or not) can have access to a file or document. GitHub's distributed access is useful for our class because it allows everybody to have access to their module and project files. It allows us to do and see all the work we have. Without it, work would not be able to be done because everybody will not have the necessary files to complete their tasks.