**ISYS3001 – Assignment 1 exercise-VictIBS**

Remember that this is a public repository - your changes could be seen by anyone who looks!

Add some comments about Version management outside this border, or just add some text so there is a change to this file.

Remember that your GitHub user ID must be submitted in your assignment report!

Once you’ve changed follow the next step in your assignment task.

When several programmers are working on the same system, version management is crucial. Each programmer may be developing their own version of a component, sometimes concurrently.

Hongqing Qu Change:

Merge - This is usually when a branch is merged back into the main line as part of the main repository. It is also possible to merge separate branches while remaining separate from the main line. For example, a development team might work on different branches of the mainline and merge their branches for testing before launching the push operation.

Check in - This is where the files changed by the developer are put back into the main repository, usually in a centrally managed version management system. The concept of "check-in" is related to the hotel analogy, where users notify management that they are coming in so that management can make any necessary arrangements.

Check out - This is the latest version of the file required by the developer, copied from the main repository, usually in a centrally managed version management system. The concept of "check-out" comes from the hotel analogy, when a guest leaves. They notify management and can therefore initiate any administrative tasks. Check-in and check-out information is kept by the management system to ensure that changes do not conflict (as in the hotel analogy).