**Outline**

To re-organize a GitHub repository according to a logical folder organization and file naming scheme. Use this repository to backup files to the cloud and synchronize with the local network drive. Also use the cloud based repository to collaborate between users in a student work group.

**Objectives**

* C2.1 use an operating system to logically organize computer files for easy retrieval, backup, and recovery;
* C2.2 use standard backup procedures to back up user files.

**Prerequisites**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Prerequisite Module(s)** | **Level** | **Student Initial** | **Teacher Initial** | **Date** |
| Module A.1 GitHub Part 1 | Level 3 |  |  |  |

**Materials**

* None.

**Level 0: New GitHub Repository**

1. Create a new GitHub Repository with a better organization for course work.
   1. Give the new repository a meaningful name like “ICS3U0 Work”.
   2. Email the repository link to Mr. Nestor.

**Level 1: Repository Folders & Files**

1. In your new repository, create a folder for each major project / work item:
   1. Crate a folder for “Module A Work”.
   2. Crate a folder for “Module B Work”
   3. Crate a folder for “Module C Work”
   4. Crate a folder for “Code Challenges”

1. Do the following for each of your Module Answers (i.e. Word Document Files):
   1. Rename the file to have a meaningful name, for example “Module A.1 Answers”.
   2. Upload the file to the appropriate folder in your new repository

**Level 2: Network Folders & Files**

1. Duplicate / Copy same folder and file name structure from your repository to your student account on the school’s network drive.
   1. Show Mr. Nestor that you have copied over this file structure.

**Level 3: Maintaining Synchronization**

1. Maintain synchronization between your network files and your GitHub repository over the next month.
   1. Download any changes to the repository (i.e. work done at home) at the beginning of each period.
   2. Upload any changes to your network files at the end of each period.
   3. Show Mr. Nestor that you are maintaining synchronization.

**Level 4: Group Collaboration**

1. tbd.
   1. tbd

**Achievement Record**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attainment Level** | **Student Initial** | **Teacher Initial** | **Date** |
| Level 0: PC Internals Diagram |  |  |  |
| Level 1: History of Computers |  |  |  |
| Level 2: History of Computer Devices |  |  |  |
| Level 3: History of Operating Systems |  |  |  |
| Level 4: Presentation |  |  |  |