**Outline**

Sign-up for GitHub and begin using this project management tool. Review terms of service and identify the main features of a Content Management System. Create projects in the cloud for the course, and initialize a synchronize local repositories for these projects.

**Objectives**

* Use standard backup procedures to back up user files.
* Use software tools (e.g., email, wikis, blogs, task lists, bulletin boards, spreadsheets, shared calendars) to plan and track activities during a software development project;
* Use project management tools (e.g., Gantt chart, PERT chart) and time management tools (e.g., organizer, calendar) to help develop a software project;

**Resources**

* Website: <https://github.com>
* TOS: <https://help.github.com/articles/github-terms-of-service/>
* Privacy: <https://help.github.com/articles/github-privacy-statement/>

**Level 1: Privacy & Terms of Service**

Understanding Privacy and Terms of Service agreements is a critical part of computer literacy. This is especially important now that companies are aggressively collecting and selling your personal information.

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

1. Go to: “https://github.com/Greg5519/ICS2O0”
2. Open the folder “Topic D Environment And Systems”
3. Select the file “Mod D1.1 GitHub Introduction”
4. Download the file and save it to your student folder on the network
5. Rename the file to “Mod D1.1 Answers” and edit to include your answers
6. Research about “Terms of Service Agreements” and identify at least 3 main features of a terms of service agreement.
7. Review the GitHub terms of service. (<https://help.github.com/articles/github-terms-of-service/>)
   1. Are you permitted to use this software for this class? Copy and highlight the section that conforms this permission.
   2. What rights do you give up by using this software?
   3. What limitations do you have when using this software?
8. Research about “Privacy Policy Agreements” and identify at least 3 main features of a privacy policy.
9. Review the GitHub privacy policy. (<https://help.github.com/articles/github-privacy-statement/>)
   1. What information does GitHub collect and track?
   2. How does GitHub share your information? Copy and highlight the section that talks about information sharing.
   3. How does GitHub communicate with you?
10. Explain how a “Privacy Policy” is different from a “Terms of Service” agreement.

**Level 2: Sign-up for GitHub**

GitHub will be used to share course files in a similar way to MyClass or D2L. The reason we are using GitHub is because this is the tool preferred by many software developers and is the most common way to share computer code on the internet.

The Peel School Board is concerned about the privacy and safety of its students and has issued the following guidelines for using third party applications:

* Do not provide: First & Last Name
* Do not provide: Birthday
* Do not provide: Personal Address & Contact Information
* Do not provide: Student Number
* Your @pdsb.net email address can be used but cannot be used as a login id.

1. Based on your understanding of the GitHub privacy policy, list two benefits and two drawbacks of following the Peel Board guidelines listed above.
2. Based on your understanding of the Peel Board guidelines listed above, plan what information you will provide when creating your GitHub account. Include the following:
   * User ID
   * Password
   * Email Address
3. Create an account on GitHub.com using information the follows the Peel Board guidelines listed above. Make sure to select the free student plan when creating your account.
4. Create a new project repository for your ICS module work.
   1. Give your repository a meaningful name like “ICS2O0\_Work”
   2. Make sure to select “Include a ReadMe file”
5. Email Mr. Nestor (p0079141@pdsb.net) the following information:
   1. Your Name
   2. The link to your repository

**Level 3: Organizing Your Personal GitHub Repository**

Your personal GitHub repository will be used to store and manage your work for this course. You should save partially completed work in your repository and you can update it at any time from school or at home. GitHub automatically keeps track of updates to your files. You should NEVER make multiple VERSION COPIES of your work files.

Your repository should be shared with your teacher and with other members of your work group.

Work will be submitted (handed in) by uploading it to your repository and by telling your teacher (by email) that it is complete. ONLY work uploaded to your repository will be considered handed in and will be marked.

1. Sign in to GitHub: <https://help.github.com/>
2. Locate user “Greg5519” (Mr. Nestor). Open the class repository related to your course and section. (e.g. “ICS3C0”, “ICS2O0” etc.) Bookmark this repository as it will be the source for all course information and lesson files (much like D2L or Google Classroom is used by other teachers).
3. Note the structure and organization of Mr. Nestor’s repository. In particular, note the folders such as “Topic 1 Computer Concepts” etc.
4. Duplicate the organization structure and folder names in your personal repository. Your personal GitHub repository will be used to upload and manage your work completed for this course. Your repository needs to be well organized so that Mr. Nestor can easily find your work and give you credit for it.
   1. NOTE: There is a “trick” required to create folders in GitHub. See if you can find this trick and share it with your neighbours.
5. Upload your answers to this module (i.e. the “Mod D1.1 Answers” Word file your created for   
   Level 1). Make sure to store it in the proper folder.
6. Email Mr. Nestor ([p0079141@pdsb.net](mailto:p0079141@pdsb.net)) when you have completed this work.

**Level 3: Terms of Service Agreement**

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

1. Make sure your file name has a descriptive format such as   
   “Module D1 Level3 Answers.docx”.
2. Create a folder titled “Module D Answers” in your GitHub repository
3. Upload your answer file to this folder in your repository
4. Email Mr. Nestor ([gregory.nestor@peelsb.com](mailto:gregory.nestor@peelsb.com)) to look at your repository when you are finished. (e.g. “Mr. Nestor please look at my Module D1 Level 3 answers.”)
5. Research about “Terms of Service Agreements” and identify at least 3 main features of a terms of service agreement.
6. Review the GitHub terms of service. (<https://help.github.com/articles/github-terms-of-service/>)
   1. Are you permitted to use this software for this class? Copy and highlight the section that conforms this permission.
   2. What rights do you give up by using this software?
   3. What limitations do you have when using this software?
7. Research about “Privacy Policy Agreements” and identify at least 3 main features of a privacy policy.
8. Review the GitHub privacy policy. (<https://help.github.com/articles/github-privacy-statement/>)
   1. What information does GitHub collect and track?
   2. How does GitHub share your information? Copy and highlight the section that talks about information sharing.
   3. How does GitHub communicate with you?
9. Explain how a “Privacy Policy” is different from a “Terms of Service” agreement.

**Level 4: Version Control Systems (VCS)**

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

1. Make sure your file name has a descriptive format such as   
   “Module D1 Level4 Answers.docx”.
2. Upload your answer file to a folder titled “Module D Answers” in your GitHub repository
3. Email Mr. Nestor ([gregory.nestor@peelsb.com](mailto: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.
2. Explain why professional software developers use a VCS and why it would be helpful in this course.
3. Explain the term “Collaboration” and how GitHub will allow you to collaborate with your teacher and other members of your work group.
4. Explain the term “Backup” and how GitHub will help you to backup your work files.
5. Explain the term “Version Control” and how GitHub version control will be useful in this course.
6. Explain the term “Distributed Access” and how GitHub distributed access will be useful in this course.