**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.

* One feature of terms of services is that this prevents abuse between the users. This is because terms of services binds the user in a contract with rules, one rule could be no abusing. If the user breaks the rules, then they could be removed from the service legally. This will help the service as it will only have well behaving users.
* Terms of services can be helpful in the ownership of content on the service. The owner of the service can copyright the service in the terms of service. This will prevent online theft.
* Terms of services can be used to remove users that are harming the service or harming its users. The owner can include the Termination clause in terms of services to enforce this rule. The termination of bad users can help keep the services safe and other users on the service safe.

1. 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.

I am permitted to use this software because it states in the terms of service that only a valid email address and a username is required to use GitHub. This means that GitHub does not need the user to use their real name to use GitHub. This ensure that the user's identity is protected and this will also protect students in schools. The identity of the user on GitHub is protected, so I am permitted to use GitHub.

***“2. Required Information***

*You must provide a valid email address in order to complete the signup process. Any other information requested, such as your real name, is optional, unless you are accepting these terms on behalf of a legal entity (in which case we need more information about the legal entity) or if you opt for a* [*paid Account*](https://help.github.com/articles/github-terms-of-service/#l-payment)*, in which case additional information will be necessary for billing purposes.”*

* 1. What rights do you give up by using this software?

By using GitHub I give up the right of freedom of speech. It is restricted to discriminate, threaten and harass other users on GitHub. This means on GitHub we are not allowed to say certain things. This means that by using GitHub we lose the right of freedom of speech.

* 1. What limitations do you have when using this software?

I am limited to only uploading things on GitHub that do not discriminate, harass and/or abuse anybody associated with GitHub.

1. Research about “Privacy Policy Agreements” and identify at least 3 main features of a privacy policy.

* The privacy policy can protect data on a service like GitHub. The protection of information is very important to run a service, having the information of the users protected will keep the users using the service and the users will trust the service with their data. If a service fails to include the protection of information, they could be breaking the law.
* The use of information must be included in the privacy policy. If the user does not know how their data and information will be used, then they would not use the service. A service must include how and why their information will be used.
* The privacy policy must include the user's rights. This can be helpful when a user wants to sue the service. Everything the user can and can’t do must be listed.

1. Review the GitHub privacy policy. (<https://help.github.com/articles/github-privacy-statement/>)
   1. What information does GitHub collect and track?

GitHub only collects information you chose to give them, like your email address and anything you upload onto GitHub. GitHub also only process your data and information with your consent.

* 1. How does GitHub share your information? Copy and highlight the section that talks about information sharing.

GitHub does not share information to third parties for commercial use. They share some non-personally identifying information with others. GitHub will also ask the user for consent to share their information or not. GitHub may share user personal information to some third parties to improve the service of GitHub.

***“How we share the information we collect***

*We do share User Personal Information with your permission, so we can perform services you have requested or communicate on your behalf. For example, if you purchase an integration or other Developer Product from our Marketplace, we will share your account name to allow the integrator to provide you services. Additionally, you may indicate, through your actions on GitHub, that you are willing to share your User Personal Information. For example, if you join an organization, the owner of the organization will have the ability to view your activity in the organization's access log. We will respect your choices.”*

* 1. How does GitHub communicate with you?  
     If the user said GitHub can contact you on email then, GitHub will communicate with you via email. Communication preferences can be changed by the user in the user profile. Other users are also able to communicate to you via email.

1. Explain how a “Privacy Policy” is different from a “Terms of Service” agreement.

A privacy policy is required by law if the service is collecting and using user’s data, like their name and email address. On the other hand, the terms of service sets up the conditions and the requirements to use the service, for example no discriminatory words should be used.

**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.

One benefit to the guidelines is that your identity will remain secure and your real identity cannot be shared to a third party. Another benefit is by using the pdsb.net email, the GitHub account is easily accessible from school and the email is easy to remember. One drawback is that because of the restriction on the use of personal information, the options for a user name decrease. So you are left with less options of usernames that you can remember. Another drawback is that if you want to use the GitHub account for something professional, then you cannot because your real name is not used.

1. 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

My user ID will be JapJap28 and this does not contain my name, which means I can use this. My password will be SirCow123, this contains a combination of lowercase, uppercase letters and number. This means my password is very secure. I will use my school email address for GitHub.

1. 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.

I have used the Free student plan for GitHub.

1. 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”

I have created a new project repository for my ICS module work.

1. Email Mr. Nestor (p0079141@pdsb.net) the following information:
   1. Your Name
   2. The link to your repository

I have emailed Mr.Nestor my name and a link to my 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.