**Outline**

Sign-up for GitHub and begin using this project management tool. Review terms of service, 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;

**Prerequisites**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Prerequisite Module(s)** | **Level** | **Student Initial** | **Teacher Initial** | **Date** |
| Mod A.1 Simon Icebreaker | Level 3 |  |  |  |
| Mod B.2 Arduino Basic Blink | Level 3 |  |  |  |

**Materials**

* N/A.

**Level 0: Terms of Service**

Suggested web resource: <https://github.com/>

1. Review the GitHub terms of service.
   1. Are you permitted to use this software for this class? Copy and highlight the section that conforms this permission.

-Yes I am permitted to use this software for this class, The “Agreement” refers, collectively, to all the terms, conditions, notices contained or referenced in this document (the “Terms of Service” or the "Terms") and all other operating rules, policies (including the GitHub Privacy Statement, available at github.com/site/privacy) and procedures that we may publish from time to time on the Website.

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

-We own the service and all of our content. In order for you to use our content, we give you certain rights to it, but you may only use our content in the way we have allowed.

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

-We will not be liable for damages or losses arising from your use or inability to use the service or otherwise arising under this agreement. Please read this section carefully; it limits our obligations to you.

1. Review the GitHub privacy policy.
   1. What information does GitHub collect and track?

- We collect your information only with your consent; we only collect the minimum amount of personal information that is necessary to fulfill the purpose of your interaction with us; we don't sell it to third parties; and we only use it as this Privacy Statement describes.

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

- If you're just browsing the website, we collect the same basic information that most websites collect. We use common internet technologies, such as cookies and web server logs. This is stuff we collect from everybody, whether they have an account or not.

* 1. How does GitHub communicate with you?

- GitHub’s communication style can be summed up in one word: asynchronous. Much of this is defined by the workflows of the open source community, where many of us got our start, but part of it, as a distributed company, is out of necessity. Like open source, rarely are two people in the same place at the same time, working on the same thing at the same time.

**Level 1: Sign-up for GitHub**

Suggested web resource: <https://github.com/>

1. Create an account on GitHub.com.\*
2. Locate user “Greg5519” (Mr. Nestor) and the course project repository called “ICS3C0”.\*
3. Download the course module files to your student folder on the network drive.\*

**Level 2: Create a Modules Project**

Suggested web resource: <https://help.github.com/>

1. Create a new project repository for your ICS3C0 module answers.
2. Upload your answers (i.e. Word File) to “Module A.1 Simon Icebreaker” to the repository
   1. Select your repository
   2. Select the “Code <>” tab
   3. Select the “Upload Files” tab
   4. Follow instructions
3. Upload your answers for “Level 0” of this module to the repository
4. Commit your changes to the repository
   1. Add a comment for the commit
   2. Click on “Commit Changes”
5. Email Mr. Nestor ([Gregory.nestor@peelsb.com](mailto:Gregory.nestor@peelsb.com)) the following information:
   1. Your Name
   2. Your email address (used for GitHub)
   3. Your GitHub user ID
   4. The link to your repository

**Level 3: GitHub Desktop**

Suggested web resource: <https://desktop.github.com/>

Note: Installation and activation of GitHub Desktop may be required

1. Access GitHub Desktop and create a local repository folder on your LASS network drive.
2. Clone your “Modules Repository” from GitHub on the web.
3. Synchronize your repository using GitHub Desktop.
4. Verify that your local files have been synchronized with GitHub on the web.

**Level 4: Arduino Blink Repository**

Suggested web resource: <https://help.github.com/>

1. Create a repository for the “Module B.2 Arduino Blink” module.
2. Synchronize your local files with GitHub.
3. Verify that GitHub on the web is recorded your updates and that the program files have been synchronized.
4. Synchronize your files at the beginning and end of each period.

**Achievement Record**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attainment Level** | **Student Initial** | **Teacher Initial** | **Date** |
| Level 0: Terms of Service |  |  |  |
| Level 1: Sign-up for GitHub |  |  |  |
| Level 2: Create Blink Project |  |  |  |
| Level 3: GitHub Desktop |  |  |  |
| Level 4: Update Blink Repository |  |  |  |