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

• Must be human to create my human

• Must be 13 or over

• Must provide a valid email address

• Can't give other users info out

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

• the use, disclosure, or display of your User-Generated Content;

• your use or inability to use the Service;

• any modification, price change, suspension or discontinuance of the Service;

• the Service generally or the software or systems that make the Service available;

• unauthorized access to or alterations of your transmissions or data;

• statements or conduct of any third party on the Service;

• any other user interactions that you input or receive through your use of the Service; or

• any other matter relating to the Service.

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

• Browsing the web information like cookies and web server logs

• The information we collect about all visitors to our website includes the visitor’s browser type, language preference, referring site, additional websites requested, and the date and time of each visitor request. We also collect potentially personally-identifying information like Internet Protocol (IP) addresses.

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

We do not share, sell, rent, or trade User Personal Information with third parties for their commercial purposes.

We do not disclose User Personal Information outside GitHub, except in the situations listed in this section or in the section below on Compelled Disclosure.

We do share certain aggregated, non-personally identifying information with others about how our users, collectively, use GitHub, or how our users respond to our other offerings, such as our conferences or events. For example, we may compile statistics on the usage of open source licenses across GitHub. However, we do not sell this information to advertisers or marketers

* 1. How does GitHub communicate with you?

They will use the users email address to communicate with them

**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

done

* 1. Select the “Code <>” tab

done

* 1. Select the “Upload Files” tab

done

* 1. Follow instructions

done

1. Upload your answers for “Level 0” of this module to the repository
2. Commit your changes to the repository
   1. Add a comment for the commit
   2. Click on “Commit Changes”
3. 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 |  |  |  |