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|  |  | **GitHub Workshop Lab Guide** |  |

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| **Your Tasks (Mark these off as you go)** |
| * Define key vocabulary * Create a GitHub account * Install Git on your computer * Configure your username and email * Install Visual studio code * Clone a repository * Complete your assignment with Visual Studio Code * Push changes to a repository * Receive credit for this lab guide |

* **Define key vocabulary**
* Open up your browser and search for definitions to the following terms as they relate to “Git”. For example you could type “Git vocabulary”.
* Work with your partner to write definitions for the following terms.

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| **Git** |  |

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| **GitHub** |  |

|  |  |
| --- | --- |
| **repository** |  |

|  |  |
| --- | --- |
| **local** |  |

|  |  |
| --- | --- |
| **remote** |  |

|  |  |
| --- | --- |
| **stage** |  |

|  |  |
| --- | --- |
| **commit** |  |

|  |  |
| --- | --- |
| **push** |  |

|  |  |
| --- | --- |
| **clone** |  |

|  |  |
| --- | --- |
| **fork** |  |

|  |  |
| --- | --- |
| **pull** |  |

|  |  |
| --- | --- |
| **origin/master** |  |

|  |  |
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| **Gitpod** |  |

* **Create a GitHub account**

Navigate to the following address,

<https://education.github.com/students>

Locate the “Get Benefits for Students” button and click on it.

Locate the “Create an account” link and click on it.

Create your account when prompted

* **Install Git on your computer**

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| Navigate to <https://git-scm.com/downloads> and download Git |  |
| Locate the file and install per your operation system |  |

* **Configure your username and email**

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| Log in to GitHub and locate your no-reply email   * Click on *Settings* from your start menu * In the left menu, click on *Emails*   In the Primary Email Address section copy the no-reply email provided in the text |  |
| Set the Git commit username and email on your local computer to the ones you used on your GitHub account.   * Locate and open the Git Gui, by typing “Git Gui” in the search bar * Open the Bash command line * To set your email, type the following command, then paste the email in quotes. You will need to right click and select paste to do this.   git config --global user.email "paste the email you just copied here”   * To set your username, copy the following command. Type your GitHub username in the quotes   git config --global user.name "paste your username here" |  |

* **Install Visual Studio Code**

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| Navigate to <https://code.visualstudio.com/download> and download Visual Studio Code |  |
| Locate the file and install per your operation system |  |

* **Clone a repository**

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| Accept the assignment you have been assigned using the link provided by Pluska. |  |
| In the GitHub assignment repository you just accepted, locate the Code button and copy the https link |  |
| Clone the assignment to your computer   * Open git * Select the *Clone Existing Repository* option * Paste the Clone link into the Source Location * Use the Browse button to specify a location on your computer where you would like the assignment to be saved. You will need to save this in new folder. * The click the *Clone* button |  |

* **Complete your assignment with Visual Studio Code**

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| Open the assignment you just cloned from GitHub in Visual Studio Code.   * From the *File* menu select *Open Folder* |  |
| Locate the file you want to read or edit in the left menu |  |
| You can have multiple files open at once. These appear as tabs. |  |
| Complete the questions in the README, then type “ctrl-s” to save your file. You can also save your file by selecting “save” from the File menu. |  |

* **Push changes to a repository**

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| Click on the source control icon located on the far left menu. |  |
| To *stage* your changes click on the plus sign |  |
| To commit your changes, click on the source control icon.   * Type a message in the text box. This should be descriptive and brief. * Click the check mark |  |
| To push your changes back to GitHub, select Push from the SOURCE CONTROL menu. Access this by clicking on the 3 dots.  If you see the warning message, just click *OK.* You should only see this the first time you push. |  |
| Now return to your GitHub assignment repository and check out your edited file!  BAM! |  |

* **Receive Credit for this lab guide**

Submit this portion of the lab to Pluska to receive credit for the lab guide. Once received, your completed README will also be graded and will count towards your final lab grade.