**Download Github for Desktop**

<https://desktop.github.com/>

Click the download link and install after downloading

**Create a Github.com Account**

Go to github.com

Click the ‘Sign up’ button

Enter your information and remember your username and password

**How to create a repository on Github.com and clone to your local computer**

Go to [github.com](http://github.com/) and sign in

In the top-right corner click the '+' symbol and select 'New Repository'

Enter the name of your repository

Click the 'Create Repository' button

Click copy to clipboard button next to the 'HTTPS' field

Open or go to the Github desktop application on your computer

Click the '+' button on the left

Click 'Create'

Click 'Browse', select the folder that contains your project

Click 'Create Repository'

Click  the 'Settings' button shaped like a gear on the right side of the screen

Select 'Repository Settings'

Select 'Remote'

Paste the HTTPS address you copied earlier from the website

Click 'OK'

Click the 'Publish' button in the top-right corner.

Click the 'sync' button in the top-right corner.

Click 'Changes' on the top of the screen

Enter 'Initial' in the 'Summary' field

Click the 'Commit to Inventory' button.

Click the 'sync' button in the top-right corner.

**How to commit and sync changes to Github.com**

Open the Github desktop application on your computer

Select the project you would like to commit on the left

Click the changes tab near the top of the application

In the 'summary' field type a description of any changes you made. Something like 'Made buttons' or 'Fixed button problem'

Click the 'Commit to Inventory' button.

Click the 'sync' button in the top-right corner.

**How to add Arduino102 Repository to Github Desktop on your computer**

Go to <https://github.com/randyshirts/Arduino102>

Click copy to clipboard button next to the 'HTTPS' field

 Click on the ‘Save to Github Desktop’ button, which is to the left of the ‘download zip’ button

Click ‘Launch Application’

Select the location on your computer where the ‘Arduino102’ files will be placed

In Github Desktop , click on the ‘Branch’ button which is located left of where it says ‘master’

Enter your name as the branch name

Click the ‘Create new branch’ button

Click  the 'Settings' button shaped like a gear on the right side of the screen

Select 'Repository Settings'

Select 'Remote'

Paste the HTTPS address you copied earlier from the website

Click 'OK'

Click the 'sync' button in the top-right corner.