# Using Git and Branches

I came up with these steps to avoid some confusion. This should allow you to leave your laptop on your development branch at all times and use the web site for merging your changes into development.

## Install GitHub Desktop

https://desktop.github.com/

## Clone the source code

Log on to <http://GitHub.com>

Got to [RobotCode2019v2](https://github.com/MontiPythons-4632/RobotCode2019v2)

Make sure your Branch is “development”

Click “Clone or Download”

Click “Open in Desktop”

Click “Yes” when asked to launch Git Desktop

Select the location where you want to make the copy

## Create your Branch

Click “Current Branch” change to “development”

Click “New Branch”

Put in name for new branch <your name>-dev

You can now make changes in Visual Studio Code

## Committing Your Changes

When you have changes you want to save you do a commit

In Git Dekstop

Enter a summary in the box of the Lower Left Corner

Enter a description of what you changed

Click “Commit to <your name>-dev”

In the pane to the right will be a button to push origin to server

## Testing Changes on another laptop

If you go to another laptop you can check out our branch.

## Merging Changes with another Branch

Goto to Git Hub

Open the “RobotCode2019v2”

Select Branch <name>-dev

Click “New Pull Request”

Base: development

Compare: <name>-dev

Review changes

If the changes are acceptable click “Create Pull Request”

Click “Merge”

Click “Confirm Merge”