**GitHub Basics**

GitHub is a code hosting platform for version control and collaboration.

Note: This may not work with IE. Try google chrome.

**Create a Repository:**

A repository is usually used to organize a single project.

1. In the upper right corner, next to your avatar or identicon, click and then select **New repository**.
2. Name your repository hello-world.
3. Write a short description.
4. Select **Initialize this repository with a README**.
5. Click **Create repository**

**Create a Branch:**

Branching the way to work on different versions of a repository at one time. By default the repository has one branch named ‘master’

1. Go to your new repository hello-world.
2. Click the drop down at the top of the file list that says **branch: master**.
3. Type a branch name, readme-edits, into the new branch text box.
4. Select the blue **Create branch** box or hit “Enter” on your keyboard.

**Make and commit changes:**

Saved changes are called ‘commits’

1. Edit a file in the repository
2. Add comments
3. Click the Commit changes button.

**Open a Pull Request:**

When you open a pull request, you proposing your changes and requesting that someone review and pull. By using GitHub’s @mention system in the pull request, you can ask for feedback from others.

1. Click the **Pull Request** tab
2. Click the green **New pull request** button.
3. Select the branch containing edits with the original branch.
4. Look over changes in the diffs on the Compare page.
5. Select the **Create Pull Request** button
6. Give pull request a title and description.
7. Click **Create pull request**

**Merge the Pull Request:**

This will bring the changes together merging updated code with upper branch.

1. Click the **Merge** **pull request** button to merge changes into master
2. Click **Confirm merge**
3. If desired, select **Delete branch.**