GitHub acts as online repository for the code for version control and collaborations. Developers can work on projects in remote locations using GitHub.

Repository:

We can create repository to organize our project. Repository can contain code files, text files, images, spreadsheets required for the project. We can include README file which contains information about the project.

Branch:

By default, repository has branch called ‘master’. To experiment with the code or create our own version of the code, we can use branches. When branch is created, it is actually copy of master branch at that time. Branches can be used to fix the bugs or add some features. When changes are tested, we can merge the branch with the master.

Commit:

Updates to repository are called commits. In GitHub, each commit has as message which describes what changes are made. This enables other contributors why and what changes are made.

Pull Request:

After the changes are made in child branch, we can open a pull request. Pull Request compares content of the two branches let’s say master and child. If we have added some code in child branch, it will be indicated by green color and deleted code is indicated by red color.

Merge Pull Request:

After reviewing pull request, we can merge pull request i.e. we are merging the changes to the master. After the merge we can delete the branch.

**CodeAcademy Git course batch:**

