

This lesson incorporates instruction from Module 5 Lesson 3.1, 3.2 and Project 5 and also adds instruction on connecting with VS Code.

## Part 1: Connecting Codio with GitHub (20 minutes)

### [Connecting a Codio Box to a GitHub Repo — documentation](#)

1. **Connect Codio Project to GitHub**
  - Initialize it as a Git repository.
  - Create a new repo on GitHub.
  - Connect Codio project with the GitHub repo and push the project.
2. **Branching and PR in GitHub**
  - Create a new branch directly in GitHub.
  - Make changes in Codio, commit and push to this new branch.
  - Head over to GitHub, show the changes, and initiate a pull request.

## Part 2: Connecting VS Code with GitHub (30 minutes)

### **Git & GitHub Instructions.pptx(Windows)**

SSH Key guide: [Generating a new SSH key and adding it to the ssh-agent - GitHub Docs](#)

### **Copy of VS Code(for Mac)**

VS Code Video Tutorial: [Using Git source control in VS Code](#)

1. **Generating SSH Key and adding to GitHub**
  - Walkthrough generating and adding SSH Key
  - Initialize a repo on a new project
2. **VS Code and Git/GitHub Integration**
  - Highlight where Git features are in VS Code.
  - Highlight using Git Bash for Git commands.
  - Time permitting, Clone the GitHub repo (that was pushed from Codio) into a local directory using VS Code.
3. **Branching and PRs in VS Code**
  - Create a new branch in VS Code.
  - Make changes, commit, and push them to the new branch.
  - Go to GitHub, show the changes, and initiate another pull request.
  - Merge the pull request in GitHub.

## Part 3: GitHub Pages (10 minutes)

1. **GitHub Pages:**

- Quick demo: Converting a repo into a live website with GitHub Pages.

Additional Resources:

[Git Tutorial](#)