**Using Android Studio’s Built-In GitHub Integration**

1. **Set up Git:**

* Open Android Studio and go to **File > Settings** (or **Android Studio > Preferences** on Mac).
* Navigate to **Version Control > Git**.
* Ensure Git is installed. If not, Android Studio will prompt you to download it.

1. **Connect to GitHub:**

* Go to **File > Settings > Version Control > GitHub**.
* Click **Add account** and add the GitHub account associated with your classroom repository. During authorization, ensure that you grant necessary access. Then authorize JetBrains to integrate Android Studio with your GitHub.

1. **Use Git Features:**

* From the **Git** tab or toolbar in Android Studio, you can push, pull, clone, and perform a wide variety of actions with your repository.
* If you are new to Git and GitHub terminology, there are many resources online, including YouTube tutorials. However, if you have questions, please come to office hours.

**Download GitHub Desktop (Alternative):**

**1.** Download GitHub Desktop for Windows or Mac from <https://desktop.github.com/>.

**2. Sign in to GitHub Desktop:**

* Open GitHub Desktop and sign in with your GitHub account. Create one if you do not have an account.

**3. Clone a Repository:**

* Go to **File > Clone Repository**. Select your class repository you wish to clone, paste the repository URL, and choose a local save location on your computer.

**4. Make Changes and Commit:**

* After editing your code in Android Studio, switch to GitHub Desktop. Changes will appear there.
* Add a summary and description for the changes.
* Commit to the main, master, or an appropriate branch.

**5. Push and Pull Changes:**

* To push changes to GitHub, click **Repository > Push**.
* To pull the latest changes from GitHub, click **Repository > Pull**.

**General Best Practices**

* **Sync with Remote Repository:** Always ensure that your local repository is synchronized with the remote repository on GitHub to avoid conflicts.
* **Regular Commits:** Commit your changes regularly with descriptive messages to maintain a clear history of your project’s development.