GitHub Setup (Week 5 Lab 1)

GitHub

- **Cloud-based** platform owned by Microsoft for sharing and collaborating on source code.

- Uses **git** as its version control system

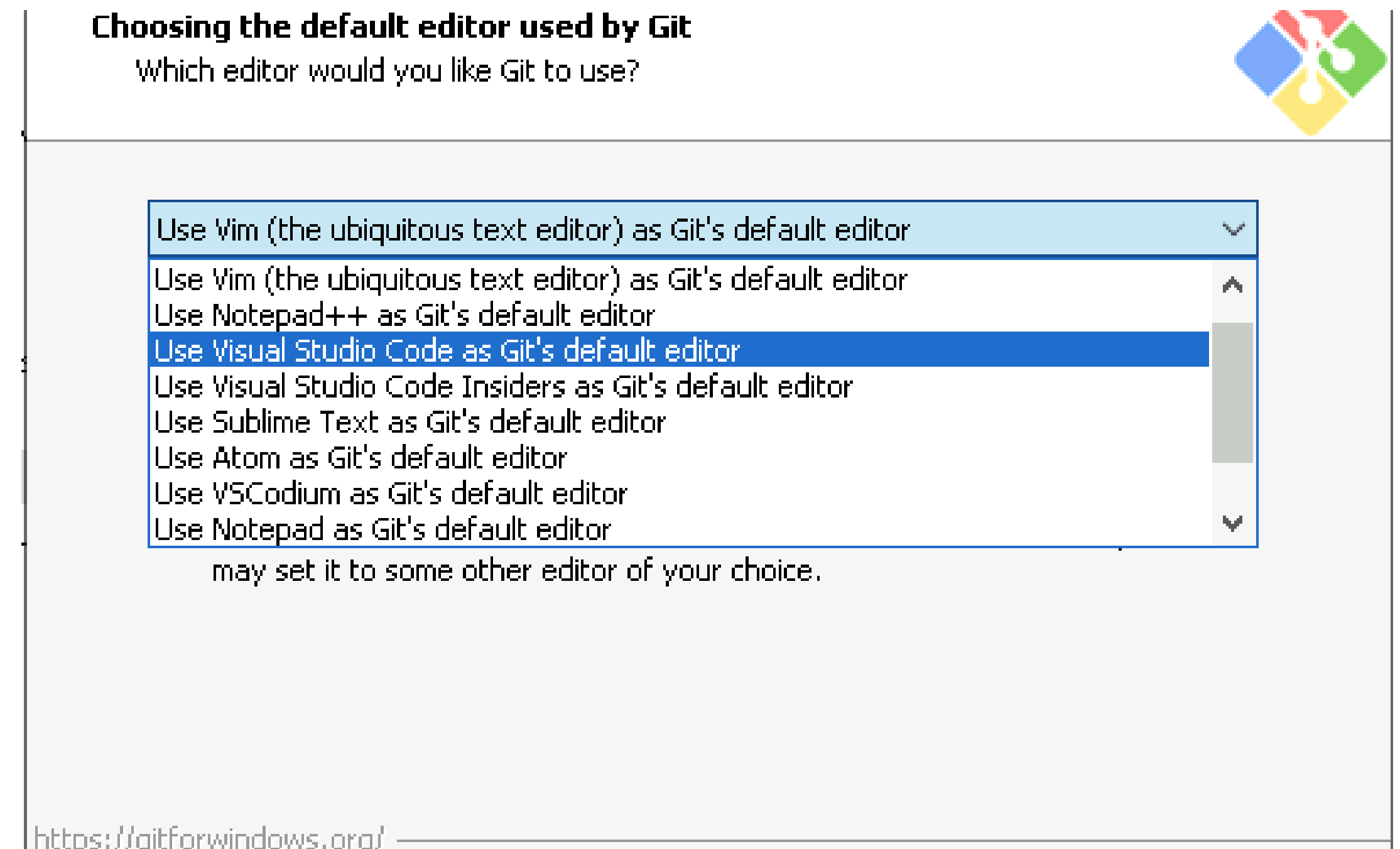# Integrating GitHub into VS Code

- VS Code: Integrates GitHub for seamless development and collaboration.

- Getting Started:

  - [Create GitHub Account](#) – Sign Up

  - **Install Git** – [git-scm.com/download](#)

  - Install VS Code Extension – [GitHub Pull Requests and Issues](#)

- Benefits in VS Code:

  - Collaborate without leaving VS Code.

Create a GitHub account

- When selecting a username

  - Since, you can have your own website with GitHub for free: <username>.github.io

  - Think of a simple, professional username

  - Don't do the same mistake as I did nuwangunasekara.github.io :(

Install git

- Down load and install Git from – git-scm.com/download

- Use all the default options except for default editor. Set it to VS Code.

Set default editor to VS code

Install VS CODE Extension

- Assuming that you have VS code installed

  - Install VS CODE Extension – [GitHub Pull Requests and Issues](#)

    - **Copy paste** "vscode:extension/GitHub.vscode-pull-request-github" to your browser it should open the extension in VS code

    - otherwise search for the extension in VS code

Test setup

- In vs code

- Type **Ctr + Shift + P** (PC/Linux) or **Command + Shift + P** (MacOS)

- Type Git: Clone

- Paste "https://github.com/nuwangunasekara/DS2006_2025.git"

- You should be able to clone the repository

Setup your local system

- Run the commands below in your VS Code terminal (View --> Terminal) to set up your git system for the first time.

    - git config --global user.email <email> <-- Email to be used for each commit

    - git config --global user.name "<Your Name>" <-- Name to be used for each commit

    - Note:- Concept of a **commit** will be taught in the lecture.

- **Add a file to your repo**

    - Please **create a txt file** with your GitHub username.txt in the **source root**.

    - E.g. <username>.txt

- Attach a **screenshot** of your **cloned repo in VS Code with the created file** to **Black Board.**

- **Share your GitHub user id** with me during the **lab submission via BB**. (I can add you to the repo as a developer. this will be useful in the lecture)