**How to Set Up a GitHub Account, Our Class Repository, and Folder Structure**

**Part 1: Setting Up a GitHub Account**

1. Go to GitHub's Website
   1. Visit <https://github.com>.
2. Sign Up for an Account
   1. Click on Sign Up in the top-right corner.
   2. Enter your email address, create a username, and set a secure password.
   3. Complete the CAPTCHA to verify you're human.
3. Choose a Plan
   1. Select the free plan or upgrade to a paid plan if needed.
   2. Click Continue.
4. Email Verification
   1. Check your email inbox for a verification email from GitHub.
   2. Click the verification link in the email to activate your account.
5. Set Up Your Profile
   1. Follow the prompts to personalize your GitHub profile.
   2. Skip any unnecessary steps or complete them later.
6. Install Git (if not already installed)
   1. Download Git from <https://git-scm.com/>.
   2. Follow the installation instructions for your operating system.

**Part 2: Setting Up a Repository Using VS Code**

1. Open Visual Studio Code (VS Code)
   1. Install VS Code from <https://code.visualstudio.com/> if you haven’t already.
2. Install the Git Extension
   1. In VS Code, click on the Extensions view icon on the sidebar or press Ctrl+Shift+X.
   2. Search for “GitHub” and install the GitHub Pull Requests and Issues extension.
3. Clone or Initialize a Repository
   1. Open the Source Control panel (Ctrl+Shift+G).
   2. Option 1: Clone an existing repository
      1. Click on “Clone Repository”.
      2. Paste the repository URL from GitHub and select a folder on your local machine to save it.
   3. Option 2: Initialize a new repository
      1. Click “Initialize Repository” in the Source Control panel.
      2. This creates a new Git repository in the current folder.
4. Connect to GitHub
   1. Open the Command Palette (Ctrl+Shift+P).
   2. Search for and select “GitHub: Sign In”.
   3. Follow the prompts to authenticate with GitHub.

**Part 3: Creating a Repository for Class Structure**

Folder Structure

Create a parent folder named after the class (e.g., CS101). Inside this folder, create the following subfolders:

CPAN212/

|-- class/

|-- labs/

|-- assignments/

|-- project/

|-- README.md

|-- .gitignore

NOTE: Git will not submit empty folders so you can temporarily put in a readme.md file into each folder.

Final Notes

Remember to commit changes regularly as you work on labs, assignments, and projects.

Use descriptive commit messages to track progress effectively.