Setting up my developer environment

1. Download an Operating System like Windows 11
2. Create GitHub Account

* Go to <https://github.com/> and sign up for account
* Verify your email address
* Set up your profile

1. Download Git

Step 1:

* Open your favorite web browser and navigate to <https://www.git-scm.com/download/win> , to download git for windows.
* Select “click here to download” the latest version of Git for Windows, however, to make sure whether your computer is 32-bit or 64-bit and download accordingly.
* Save the installer in your computer

Step 2: Run the Installer

* Double click on the download git installer file
* Follow the prompts to install git and adjust according to your needs but make sure that you select the option to add Git to your PATH environment
* After following all prompts, finally click install to complete the installation process

Step 3: Launch Git Bash

* Open the start menu and search for Git Bash
* Launch Git bash. When opening its advisable to run as administrator.

Step 4: Configure your Git Settings

* Run the command: git config - -global user.name “YourGitHubName”
* Run the command: git config - -global user.email [YourGitHubemail@gmail.com](mailto:YourGitHubemail@gmail.com)

Step 5: Verify your Git Installation

* Run the command: git - -version
* You should see the version of Git installed

Now that you’ve configured your Git settings

Step 6: Create a new local repository (to create inside Git Bash)

* To navigate to where you would like your folder to be created run command: cd <C:/ , Downloads, Documents, Desktop> anywhere on your computer
* To create a directory run command: mkdir <dir\_name> , (replace <dir\_name> with the name of your folder/directory)
* Run command: cd <dir\_name> to Navigate to the directory
* Run command: git init , to initialize a new Git repository

Step 7: Add files or changes to your local repository

* Add files under your folder you created(in file explorer or text editors like VS Code)
* Make any changes you need to make if there’s any
* Run command: `git add .` to stage all files and changes made
* Run command: `git commit -m “message of changes made”’`

Step 8: Link the local repository to GitHub

* Create a new GitHub remote repository
* Copy the Repository URL
* Go back to Git Bash and Run command: `git remote add origin <Ctrl+V GitHub repository URL>`
* Run command:`git remote -v` to verify the connection

Step 9: Push the changes to GitHub

* Run command: `git push -u origin main`(or the branch you want to push to).
* Enter GitHub login information or credentials when prompted.

1. Download VS Code

* Open web browser of your choice and navigate to <https://code.visualstudio.com/>
* Click on the Download button
* Run the installer
* Follow prompts
* Launch VS Code
* Install Extensions

1. Install Extensions in VS Code

* Python
* Prettier
* Pylance
* Python Debugger
* Python image preview
* Code Runner
* Path Intellisence
* Flutter
* Dart

1. Download Python for Windows

* Go to <https://www.python.org/> in your browser
* Hover the downloads button
* Select the python latest version appearing under “Download for windows”
* Download the installer
* Run the downloaded installer
* Follow the installation prompts
* Add Python to your PATH environment
* Verify the installation: Open a terminal like powershell or command prompt and type: python - - version to verify the successful installation of Python.

1. Download python package manager pip(Python Package Installer)

* Pip comes with Installation of Python added to PATH
* However there is an alternative for older Python versions
* Open a terminal or command prompt
* Type python -m ensurepip to install pip
* Then press enter to execute command and install pip
* Once installed, verify by running: pip - -version
* This will then display the version of pip installed

1. Adding Installations to PATH in the environment variables

* Open start menu and search for environment variables
* `Edit the system e

1. Download mySQL
2. Download Flutter with Dart
3. Download Dart