

**Here's a comprehensive step-by-step Git/GitHub tutorial for creating a simple website using Git Bash and Visual Studio Code by Dennis Muthui.**

### **Step 1: Install Git**

Go to the official Git website (<https://git-scm.com/downloads>) and download the latest version of Git for your operating system.

Follow the installation instructions for your specific OS.

### **Step 2: Create a GitHub account**

Go to <https://github.com> and sign up for a free GitHub account.

### **Step 3: Create a new repository on GitHub**

After logging in, click on the "+" icon in the top-right corner and select "New repository".

Provide a name for your repository (e.g., "my-website").

Choose whether to make the repository public or private.

Leave the remaining options as default and click "Create repository".

### **Step 4: Set up Visual Studio Code**

Download and install Visual Studio Code from <https://code.visualstudio.com/download>.

Open Visual Studio Code and navigate to the directory where you want to create your project using the File Explorer on the left-hand side.

Right-click on the desired folder and select "Open with Code".

### **Step 5: Initialize a Git repository**

In Visual Studio Code, open the integrated terminal by going to View > Terminal or by pressing `Ctrl+``.

In the terminal, navigate to your project directory using the `cd` command (e.g., `cd ~/path/to/your/project`).

Initialize a new Git repository by running the command `git init`.

### **Step 6: Create your website files**

In Visual Studio Code, create a new file called `index.html` and add some basic HTML structure:

```
<!DOCTYPE html>

<html>

  <head>

    <title>My Website</title>

  </head>

  <body>

    <h1>Welcome to My Website</h1>

    <p>This is a simple website created with Git and GitHub.</p>

  </body>

</html>
```

### **Step 7: Stage and commit your changes**

In the terminal, check the status of your repository by running `git status`.

Add the newly created `index.html` file to the staging area using `git add index.html`.

Commit your changes with a descriptive message using `git commit -m "Initial commit"`.

### **Step 8: Connect your local repository to GitHub**

Copy the remote repository URL from your GitHub repository page.

In the terminal, run `git remote add origin <remote_repository_url>` (replace `<remote_repository_url>` with the URL you copied).

### **Step 9: Push your code to GitHub**

Push your local repository to GitHub by running `git push -u origin master`.

### **Step 10: View your website on GitHub Pages**

In your GitHub repository, navigate to the "Settings" tab.

Scroll down to the "GitHub Pages" section.

Under "Source", select the "master branch" option and click "Save".

Your website will now be published at `https://<your-username>.github.io/<repository-name>`.

Congratulations! You've successfully created a simple website, initialized a Git repository, connected it to GitHub, and published your website using GitHub Pages.

Remember, Git and GitHub have many more advanced features and workflows that you can explore as you gain more experience. Practice regularly, and don't hesitate to consult official documentation or online resources for further guidance.