**Title: Installing Git and Creating Your First GitHub Project**

## Part 1: Installing Git on Windows

### Step 1: Download Git

* Visit the official website: <https://git-scm.com/downloads>
* Click **Download for Windows**
* The installer (e.g., Git-2.x.x-64-bit.exe) will start downloading automatically.

### Step 2: Run the Installer

* Double-click the downloaded file.
* Click **Next** through the setup wizard.
* Choose your preferred text editor (VS Code recommended).
* Leave other settings as default.
* Click **Install**.

### Step 3: Verify Installation

* Open **Command Prompt** or **Git Bash**.
* Type:
* git --version
* You should see the installed version (e.g., git version 2.45.0).

### Step 4: Configure Git

* Open **Git Bash** and set your credentials:
* git config --global user.name "Your Name"  
  git config --global user.email "your.email@example.com"

## Part 2: Installing Git on macOS

### Step 1: Install via Homebrew (Recommended)

If Homebrew is not installed, install it using:

/bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"

Then install Git:

brew install git

### Step 2: Verify Installation

git --version

### Step 3: Configure Git

git config --global user.name "Your Name"  
git config --global user.email "your.email@example.com"

Alternatively, download the macOS installer from <https://git-scm.com/download/mac> and follow the prompts.

## Part 3: Creating Your First Git Project

### Step 1: Create a Local Project Folder

mkdir MyFirstGitProject  
cd MyFirstGitProject

### Step 2: Initialize Git Repository

git init

### Step 3: Create Your First File

echo "# My First Git Project" > README.md

### Step 4: Stage and Commit Changes

git add .  
git commit -m "Initial commit"

## Part 4: Uploading to GitHub

### Step 1: Create a Repository on GitHub

1. Log in to <https://github.com>
2. Click **New Repository**
3. Enter repository name (e.g., MyFirstGitProject)
4. Choose **Public** or **Private**
5. Click **Create Repository**

### Step 2: Connect Local Repo to GitHub

Copy the GitHub remote URL (HTTPS preferred):

git remote add origin https://github.com/yourusername/MyFirstGitProject.git

### Step 3: Push Local Code to GitHub

git branch -M main  
git push -u origin main

### Step 4: Verify on GitHub

* Visit your repository URL.
* You’ll see your uploaded files and README.

## Part 5: Summary

* Install Git on Windows or macOS
* Configure your Git identity
* Initialize your first Git project
* Push your project to GitHub