here are the **step-by-step Git commands** you can use. This guide will walk you through **creating the project**, **initializing Git**, and **pushing it to GitHub**.

**Step 1: Create the Project Directory**

Start by creating the project folder structure and the necessary files. Here are the steps:

**🎯 1.1 Create the Folder Structure**

Run the following commands in your terminal:

bash

CopyEdit

# Create the main project folder

mkdir selenium-extent-framework

cd selenium-extent-framework

# Create folder structure

mkdir -p src/main/java/utils

mkdir -p src/test/java/base

mkdir -p src/test/java/pages

mkdir -p src/test/java/tests

**🎯 1.2 Create Necessary Files**

Now, inside the folder selenium-extent-framework, create the following files:

1. **pom.xml** (for Maven dependencies)
2. **testng.xml** (for TestNG configuration)
3. Java classes inside the src/main/java/utils/ and src/test/java/base/, pages/, and tests/ directories. You can use the previous code snippets to add content to these files.

**Step 2: Initialize Git Repository**

**🎯 2.1 Initialize Git**

Navigate to your project folder and run:

bash

CopyEdit

# Initialize Git

git init

This will initialize an empty Git repository in your project folder.

**🎯 2.2 Add .gitignore**

Create a .gitignore file to ignore unnecessary files (like target/, test-output/, screenshots/, etc.). Here's a basic .gitignore for a Java project with Selenium:

bash

CopyEdit

# .gitignore

target/

test-output/

screenshots/

.idea/

\*.iml

.DS\_Store

\*.log

Create the .gitignore file:

bash

CopyEdit

touch .gitignore

Then open the .gitignore file and paste the above content.

**🎯 2.3 Stage and Commit Files**

Now, add the files and commit the changes:

bash

CopyEdit

# Stage all files

git add .

# Commit the files

git commit -m "Initial commit: Selenium TestNG ExtentReports Framework"

**Step 3: Create GitHub Repository**

**🎯 3.1 Create a New Repository on GitHub**

1. Go to [GitHub](https://github.com) and log in.
2. Click the **+** icon in the top right and select **New repository**.
3. Name the repository selenium-extent-framework.
4. Leave it **public** or **private** based on your preference.
5. Click **Create repository**.

**🎯 3.2 Link Local Repository to GitHub**

After you’ve created the repository on GitHub, it will show you the following commands to link the local repo to GitHub. In your terminal, run:

bash

CopyEdit

# Add the GitHub remote URL

git remote add origin https://github.com/YOUR\_USERNAME/selenium-extent-framework.git

# Push to the repository (set 'main' as the default branch)

git branch -M main

git push -u origin main

**Step 4: Verify**

1. Go to your GitHub repository URL: https://github.com/YOUR\_USERNAME/selenium-extent-framework
2. You should see all your project files there now.

**Summary of Commands**

Here’s the complete list of Git commands for reference:

bash

CopyEdit

# 1. Create the folder structure

mkdir selenium-extent-framework

cd selenium-extent-framework

mkdir -p src/main/java/utils

mkdir -p src/test/java/base

mkdir -p src/test/java/pages

mkdir -p src/test/java/tests

# 2. Create .gitignore file

touch .gitignore

# Paste the ignore content in the file

# 3. Initialize the repository

git init

# 4. Add all files and make the initial commit

git add .

git commit -m "Initial commit: Selenium TestNG ExtentReports Framework"

# 5. Link to GitHub and push the code

git remote add origin https://github.com/YOUR\_USERNAME/selenium-extent-framework.git

git branch -M main

git push -u origin main

**🎯 Next Steps**

* If you'd like, I can guide you through integrating **GitHub Actions**, **Jenkins**, or **Docker** for CI/CD.
* Let me know if you want to **automate tests** or **add further configurations** to your framework!