**📘 GIT & GITHUB PRACTICAL ASSIGNMENT: TEAM PORTFOLIO COLLABORATION**

**🔍 Objective:**

To equip you with **practical Git & GitHub collaboration skills** by working together to build a real project: a **personal portfolio website for Barrack**.

**💻 Team Members:**

* **Teddy** *(Team Lead & Repository Admin)*
* **Dennis**
* **Sylvia**
* **Esperance**
* **Barrack**

**✅ Project Overview:**

Each member will contribute a specific section of **Barrack’s portfolio website**, using **Git branches** and **Pull Requests**. This will simulate real-world team development using version control.

**📋 Assignment Instructions**

**🔹 Step 1: Repository Setup by Teddy**

1. Create a new public GitHub repository named:  
   **barrack-portfolio-site**
2. Initialize with:
   * README.md (Describe the project)
   * Optional: .gitignore
   * Default branch: main
3. Create a basic folder structure:

barrack-portfolio-site/

├── index.html

├── css/

│ └── style.css

└── img/

1. In index.html, include:
   * HTML5 boilerplate
   * A <header> with the title “Barrack’s Portfolio”
   * Placeholder comment tags for each section (e.g., <!-- Projects Section Here -->)
2. Push to GitHub and add **Dennis, Sylvia, Esperance, and Barrack** as collaborators.

**🔹 Step 2: Cloning the Repository (All Members)**

Each member should:

bash

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git clone https://github.com/<teddy-username>/barrack-portfolio-site.git

**🔹 Step 3: Team Responsibilities & Branch Naming**

|  |  |  |
| --- | --- | --- |
| **Member** | **Branch Name** | **Task Description** |
| **Teddy** | home-section | Add a home section with site title, a welcome message, and basic structure. |
| **Dennis** | projects-section | Add a "Projects" section with at least 2 sample projects using semantic HTML tags. |
| **Sylvia** | contact-section | Create a "Contact Me" form with name, email, and message input fields. |
| **Esperance** | style-branch | Style the website using style.css (colors, spacing, layout, typography). |
| **Barrack** | profile-image | Add a personal image in the img/ folder and include it in the home section. |

**🔹 Step 4: Git Workflow for Each Member**

1. Create and switch to your branch:

git checkout -b your-branch-name

1. Make your assigned changes in index.html or style.css.
2. Stage and commit your work:

git add .

git commit -m "Added [your section name]"

1. Push your branch to GitHub:

git push origin your-branch-name

1. Create a **Pull Request (PR)** to merge into main.

**🔹 Step 5: Review & Merge**

* **Teddy**, as team lead, will review and merge the PRs one by one.
* If there are **merge conflicts**, the contributor must resolve them locally, then re-push.

**🔹 Step 6: Final Pull & Test**

After all branches are merged:

1. Everyone runs:

git checkout main

git pull origin main

1. Open index.html in a browser and verify the complete portfolio website.

**🎯 Learning Outcomes**

* Real-world Git workflow with collaboration
* Branching and pull requests
* Merge conflict resolution
* Collaborative project development