

Ikigugu Group Ltd: Portfolio Landing Page Collaboration Exercise

I. Problem Definition

Ikigugu Group Ltd members, will collaboratively design a Personal Portfolio Landing Page. Each member will contribute a profile card in their respective role section (e.g., UI/UX Designer, Developer, Engineer), allowing everyone to practice Git commands for version control and deployment to GitHub Pages.

II. Project Overview

1. **HTML Structure:** Each member creates a profile card under their assigned role section.
2. **CSS Styling:** Members follow the provided CSS styles for consistency.
3. **JavaScript Interactivity:** Interactive navigation and form validation have been pre-added.
4. **Version Control:** Git commands will be used for committing, pushing, and merging changes.
5. **Hosting:** The project will be deployed to GitHub Pages, allowing all team members to view the live page.

III. Exercise Steps

The project manager, Munyentwari Clement, has set up the repository on GitHub, added each member as a collaborator, and created a basic project structure. Members will follow the steps below to complete their tasks. The entire exercise is designed to be completed in 90 minutes.

IV. Step-by-Step Instructions

1. Initial Setup (10 minutes)

- **Goal:** Each member forks and clones the repository to work locally.
- **Instructions:**
 - o Fork the repository created by the project manager on GitHub.
 - o Clone the forked repository to your local machine.
 - o **Git command(s):**

```
git clone <your-forked-repo-url>
cd portfolio-landing-page
```
- Add the main repository as a remote to pull future updates:
 - o **Git command(s):**

```
git remote add upstream <original-repo-url>
```



2. Create Your Profile Card in HTML (15 minutes)

- **Goal:** Each member adds their profile card to the HTML file within their assigned role section.
- **Instructions:**
 - o Navigate to your role section in 'index.html' (e.g., UI/UX Designer, Full-Stack Developer).
 - o Create a profile card within the designated `<div class="profile-grid">` container.
 - o Use the provided HTML structure for consistency.
- Example HTML Structure for Profile Card:

```
<div class="profile-card">
  
  <h3>Your Name</h3>
  <p>Brief description of your expertise.</p>
  <a href="https://linkedin.com/in/your-profile" target="_blank">LinkedIn</a>
  <a href="cv/your-cv.pdf" download>Download CV</a>
</div>
```

3. Styling Your Profile Card with CSS (10 minutes)

- **Goal:** Apply consistent styling to the profile card by following the provided CSS.
- **Instructions:**
 - o Open style.css and locate styles for 'profile-card', 'profile-picture', and other related classes.
 - o Ensure your profile card matches the layout, font, and color specifications.
 - o Do not change the CSS file; adhere to the pre-defined styles for consistency.

4. Adding Interactivity with JavaScript (5 minutes)

- **Goal:** Verify interactive elements, such as the contact form and smooth scrolling, which have been pre-configured.
- **Instructions:**
 - o No additional JavaScript is required. Confirm that the navigation links smoothly scroll to each section and that the contact form has validation enabled.
 - o Test the interactive elements to familiarize yourself with the final user experience.

4. Commit and Push Your Changes (15 minutes)

- Goal: Commit your work and push changes to your forked repository.
- Instructions:
 - Stage the modified files (e.g., index.html where your profile card is added).
 - **Git command:**
 - `git add index.html`
 - Commit your changes with a descriptive message.
 - **Git command:**
 - `git commit -m "Add profile card for [Your Name] - [Your Role]"`
 - Push to your forked repository
 - **Git command:**
 - `git push origin main`

5. Pull and Merge Changes from the Main Repository (15 minutes)

- Goal: Synchronize your repository with the latest changes from the main repository and resolve any conflicts.
- Instructions:
 - Pull changes from the main repository to your local copy.
 - **Git command:**
 - `git pull upstream main`
 - Resolve conflicts if multiple team members have modified the same sections. Ensure that your profile card and others are correctly added.
 - Stage and commit any resolved conflicts.
 - **Git command(s):**
 - `git add .`
 - `git commit -m "Resolve merge conflicts in [Your Section]"`
 - Push your resolved changes to your forked repository.
 - **Git command:**
 - `git push origin main`

6. Create a Pull Request (PR) to the Main Repository (10 minutes)

- **Goal:** Submit your work for review by creating a pull request.
- **Instructions:**
 - Go to the GitHub page of your forked repository
 - Click “New Pull Request” and ensure your changes are proposed to be merged into the main repository.

- Add a description for your pull request and submit it for review.

7. Review and Merge by Project Manager (10 minutes)

- **Goal:** The project manager reviews and merges all pull requests.
- **Instructions:**
 - The project manager checks that all profile cards are correctly placed and that there are no unresolved conflicts.
 - Conflicts are resolved if necessary, and the final code is merged into the main branch.
 - The merged project is now ready for deployment.

8. Deploy on GitHub Pages (5 minutes)

- **Goal:** Deploy the project on GitHub Pages to view the live portfolio.
- **Instructions:**
 - Go to the main repository's settings on GitHub.
 - Enable GitHub Pages by selecting the main branch as the source under the "Pages" settings.
 - Share the GitHub Pages link with team members to review the live project.

V. Expected Outcomes

By following these steps, each team member will:

- Gain experience with Git and GitHub: Commit, push, pull, resolve conflicts, and merge.
- Create a collaborative portfolio page: Each role is represented through individual profile cards.
- Deploy a live webpage using GitHub Pages.



VI. Current collaborators:

#	Fullname	Role	#	Fullname	Role
1	IGIRANEZA Fabrice	UI/UX Designer	1	TUYISHIME ALI	Full-Stack Developer
2	HAKIZIMANA Mugisha Jean Livin	Full-Stack Developer	2	Isaac Giramahoro	Software Architect
3	IRUTABYOSE Yoramu	Full-Stack Developer	3	BYIRINGIRO Samuel	Full-Stack Developer
4	Nshuti Blessing Prince	IoT & Network Engineer	4	Hatungimana Joseph	IoT & Embedded Systems Engineer
5	MWIZERWA Honore Frank	Network Security Specialist	5	Alpha Bonheur	Full-Stack Developer
6	BITINDA TUYIZERE Elie	IoT & Embedded Systems Engineer	6	NIYOMUNGERI Jean Jacques	IoT & Embedded Systems Engineer
7	Engene Ndayishimiye	Full-Stack Developer	7	Orly Jesai Simbizi	Full-Stack Developer
8	Aime Claudien MAZIMPAKA	Software Architect	8	Nsanzimana Germain	Wireless Network Engineer
9	Japheth Nshimiyimana	Full-Stack Developer	9	Mahirwe Dinah	Full-Stack Developer
10	RUGAMBA BONHEUR	Automation Engineer	10	Ishimwe Delice	Full-Stack Developer
11	RUGERO Jean Felix	UI/UX Designer	11	Rutagengwa Mersi Elvis	Full-Stack Developer
12	Uwimana Prince	Mobile App Developer	12	Cyprien HAGENIMANA RWENDERE	Full-Stack Developer
13	Uwera Jostianne	Full-Stack Developer	13	Uwera Glorioso	Full-Stack Developer
14	Kamanzi samuel	Full-Stack Developer	14	MUNYANEZA Emmanuel	Full-Stack Developer
15	UWITUZE Nadine	Software Architect	15	Muvandimwe Marie divine	Full-Stack Developer
16	NTWALI MUDASUBIRA Piuso Gustave	Full-Stack Developer	16	Dushimimana Fiston	Full-Stack Developer
17	Shema Cedric Landry	Full-Stack Developer	17	Enock UWUMUKIZA	Full-Stack Developer
18	UWITONZE zinila	Full-Stack Developer	18	NIYONSENGA Angelique	Full-Stack Developer
19	Masonga Shema Prince	Full-Stack Developer	19	Izere Fidella	Full-Stack Developer
20	ISHIMWE Delicia Fergadiotis	Full-Stack Developer	20	SIFA MUKIZA Innocente	IoT & Embedded Systems Engineer
21	Alpha Bonheur	Full-Stack Developer	21	cyuzuzocypisezerano samuel	Full-Stack Developer
22	Murekatete Annick	Full-Stack Developer	22	NDAYISHIMIYE Abdul Aziz	Mobile App Developer
23	Beni niwemwungezi	Wireless Network Engineer	23	Theophile HAKIZIMANA	Industrial Data Analyst
24	DUSHIMIRIMANA Fiston	AI/ML Engineer	24	UWAJENEZA Magnifique	Full-Stack Developer
25	Emmanuel Edward wade ubul	Full-Stack Developer	25	Elvis T. Harmon	Full-Stack Developer
26	Mukeshimana Rachel	Full-Stack Developer	26	Henry Allison	Full-Stack Developer
27	Eric Niyomungeri	Automation Engineer			

+250 788807133/0726604940/07952090032

www.ikigugugroup.rw | hello@ikigugugroup.rw

Rwanda - Northern Province - Musanze





VII.Expected look: (<https://clement007.github.io/ikigugu-exercise-1-1/>)

