



Department of Statistics & Computer Science

University of Kelaniya

Academic Year 2023/2024

COSC 32133/ BECS 32263

Full Stack Development

Lab Sheet 02

Scenario

You are a developer to build a simple Recipe Sharing Website. Your goal is not to complete the full system, but to practice Git and GitHub collaboration through VS Code by working on different parts of the project.

Part A - Project Setup

Create a new folder named recipe-hub.

Inside the folder, create the following starter files:

- index.html - simple home page.

Part B - Git & GitHub Collaboration (via VS Code)

Repository Setup

- Create a new GitHub repository named recipe-hub.
- Clone the repository into VS Code.
- Add the initial files (index.html).
- Stage, commit, and push the files to the main branch.
- Add the other two members as **collaborators on GitHub**.
- Confirm collaborators have access to the repository (Upload a screenshot)

Branch: Appetizer Recipes

- Pull the latest changes from the repo into VS Code.
- Create a new branch named appetizers in your local repo (from main).

- If checkout doesn't work locally due to changes, **run -> git fetch**
- In this branch, create a file `appetizers.html` and add details of 2 appetizer recipes (recipe name, ingredients list, and steps).
- Stage, commit, and push the branch to GitHub.
- Open a Pull Request (PR) to merge the appetizers branch into main.
- Review & merge the PR.

Branch: Dessert Recipes

- Pull the latest changes from the repo into VS Code.
- Create a new branch named `desserts` in your GitHub repo (from main).
- In this branch, create a file `desserts.html` and add details of 2 dessert recipes (recipe name, ingredients list, and steps).
- Stage, commit, and push the branch to GitHub.
- Open a Pull Request (PR) to merge the desserts branch into main.
- Review & merge the PR.

Part C - Merging & Updates

- After merging both PRs, Update your local repo
- Verify that the project folder now has:
 - ✓ `index.html`
 - ✓ `appetizers.html`
 - ✓ `desserts.html`

Submission Guidelines:

- Prepare a Word document named "PS/XXXX/XXX_Tutorial02" or "EC/XXXX/XXX_Tutorial02".
- Include the following elements:
- Header with your student number, Tutorial Number and course code.
- Source code, git hub link and screenshots of your work.
- Footer with page number.