

Git GitHub Assignment 1

Project: Tourism Website

You are part of a team building a tourism website. The site includes the following pages:

- **Home:** Main landing page.
- **About:** Information about the website.
- **Contact:** Contact information for visitors.
- **Climate:** Information about the local climate.
- **Visit Places:** Information about tourist attractions

Tasks:

1. Initialize the Project Repository (5 minutes)
 - Create a new folder named **tourism-website** on your local machine.
 - Initialize a Git repository in this folder
 - Create the following files in the folder:
 - home.html
 - about.html
 - contact.html
 - climate.html
 - visit-places.html
 - Add basic HTML structure for each file.
 - Stage and commit all files:
2. Create and Work on a Feature Branch (10 minutes):
 - Create a new branch named update-about-page
 - Switch to the new branch
 - update about.html code
 - Stage and commit the changes
3. Merge Changes into the Main Branch (10 minutes)
 - Switch Back to the main branch
 - merge the update-about-page branch
 - delete the feature branch after merging
4. Push the Code to a Remote Repository (5 minutes)
 - Create a new repository on GitHub named **tourism-website**
 - link to local repo to remote
 - push the code to remote repository
5. Collaborate with Remote Changes (10 minutes)

- a. **On GitHub:**
 - i. Create a new branch **add-contact-details** on GitHub.
 - ii. edit and commit changes
- b. On Local Machine:
 - i. Fetch the changes from the remote repository
 - ii. Check out the **add-contact-details** branch locally
 - iii. Verify the updates in contact.html
 - iv. Merge the **add-contact-details** branch into **main**
 - v. Push the updated **main** branch to the remote repository:
6. Simulate Conflict Resolution (10 minutes):
 - a. On Local Machine:
 - i. edit the climate.html file in the main branch and add
 - ii. stage and commit
 - b. **On GitHub:**
 - i. edit the climate.html file directly in the web editor
 - ii. commit the changes
 - c. On Local Machine:
 - i. Pull the changes from the remote repository
 - ii. Resolve the conflict in climate.html by including both changes.
 - iii. Stage and commit the resolved file
7. Tag and Release the Project (5 minutes):
 - a. Create a tag for the current state of the project as version **v1.0.0**
 - b. Push the tag to the remote repository