Mini Project: Responsive Portfolio Website with GitHub Collaboration

Objective

Students will:

- Apply all HTML & CSS concepts (layout, flex, grid, position, media queries, forms, animations).

- Build a fully responsive website.

- Learn complete GitHub workflow (repo, commits, branches, PR, README, live link).

Project Title

Personal Portfolio / Company Landing Page

(Each student can choose one)

Functional Requirements

Pages (HTML)

1. **index.html** – Home

2. **about.html** – About section

3. **projects.html** – Projects / Services

4. **contact.html** – Contact form

Mandatory Sections

- Navbar (sticky)

- Hero section

- Cards using Flex/Grid

- Image gallery

- Pricing table or Skill section

- Contact form with validation

- Footer with social icons

CSS Requirements (Must Use All)

Concept	Must be Used
Box Model	Yes

Concept	Must be Used
Flexbox	Layout for navbar & cards
Grid	Main page layout / gallery
Position	Sticky header, absolute badge
Media Queries	Mobile, Tablet, Desktop
Animations	Hover effects, transitions
Pseudo-classes	:hover, :focus, :nth-child
Variables	:root CSS variables
Responsive Units	%, rem, vw, vh

GitHub Requirements

Step 1: Repository Setup

git init

git remote add origin <repo-url>

Step 2: Commit Structure

Minimum 8 commits:

1. Project structure
2. Navbar & Hero
3. About section
4. Cards layout
5. Grid gallery
6. Media queries
7. Animations
8. Final polish + README

Step 3: Branching

- main
- feature/navbar
- feature/responsive
- feature/animations

Merge via Pull Request.

Step 4: README.md Must Contain

- Project description
- Tech stack
- Screenshots
- Live link (GitHub Pages)
- What you learned

Bonus (Advanced Students)

- Dark/Light mode using CSS variables
- Mobile-first design
- CSS-only modal
- CSS loader animation

Evaluation Rubric (100 Marks)

Criteria	Marks
HTML Structure & Semantics	15
CSS Layout (Flex + Grid)	20
Responsiveness	20
Positioning & Media Queries	10
Animations & UI Polish	10
GitHub Workflow (Commits, PRs)	15
README & Documentation	10

Submission Format

Students must submit:

1. GitHub Repository Link
2. GitHub Pages Live URL
3. Screenshot of Pull Request
4. README.md