

Final Project Guideline: HTML & CSS

Use this checklist to plan, build, host, and submit your final website project (total = 10 marks).

1. Project Setup & Hosting

- **Individual Project:** This is an individual Project; include your personal details and role summary on the (About page).
 - **Repository & Hosting:**
 - Create a GitHub repo named <YourID>.github.io (e.g. C12405000.github.io).
 - Enable GitHub Pages on the main branch so your site is live at <https://<YourID>.github.io>.
 - **Domain and Hosting (Optional Bonus):** You can use a free domain and hosting service (e.g., **000WebHost**, **InfinityFree**) instead of GitHub Pages to point a custom domain to your site.
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2. Required Pages & Structure

1. Home (index.html)

- Use Flexbox for the main layout (header/nav/content/footer).
- Include navigation links to all other pages.

2. Gallery & Data (gallery.html)

- Display at least three images optimized for web (+ alt).
- Insert a data table (<table>, <thead>, <tbody>, <tfoot>) styled with CSS (pseudo-classes).

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- Add hyperlinks to external resources and other pages.

3. Guest Booking (booking.html)

- Build a form (<form>) collecting: name, major (<select>), gender (<radio>), hobbies (<checkbox>), comments (<textarea>).
- Use <label>, <fieldset>, <legend> for accessibility.
- Style the form with CSS Flexbox and validate HTML5 form attributes (e.g. required, placeholder).

4. Help (help.html)

- Describe how to navigate and use each page.
- Provide instructions for interacting with forms, images, and tables.

5. About (about.html)

3. CSS & Layout Concepts (4 marks)

Apply as many of these as possible:

- **Selectors:** element, class, id, descendant, pseudo-classes (:hover, :nth-child).
- **Box Model:** margin, padding, border, width, height.
- **Typography & Graphics:** font-family, font-size, text-align, background images, favicon.
- **Page Layout:**
 - Flexbox (display:flex, justify-content, align-items, flex-wrap).
- **Positioning:** static, relative, absolute, fixed.
- **Visual Effects:** shadows (box-shadow, text-shadow), rounded corners (border-radius), gradients.

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- **Accessibility:** semantic tags (<header>, <nav>, <main>, <footer>), alt attributes, ARIA roles.
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4. Code Quality & Discussion

- **Validation:** Pass through W3C HTML and CSS validators.
 - **Comments & Organization:** Use comments in HTML/CSS; organize files into /css, /images.
 - **Discussion:**
 - Be ready to modify code live and describe changes.
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Reminder: The **more** HTML5 & CSS3 concepts you **showcase**, the higher your score (up to 10 marks).

Good luck and happy coding!