

HTML & CSS INTERNATIONAL EXAM PROJECT SCENARIOS

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HTML & CSS Scenario Projects (Aligned to HTML & CSS International Exam)

1. Personal Portfolio Website

Focus: Basic structure, semantic tags, CSS styling

Scenario: Create your own portfolio with a header, navigation, about, and contact section.

Concepts: <header>, <nav>, <section>, <footer>, <link>, internal/external CSS, colors, fonts.

2. Florist Product Catalog

Focus: Hyperlinks, images, navigation

Scenario: Build a home page displaying flower images that link to specific product pages (carnations, roses, tulips).

Concepts: <a>, href, , relative vs absolute paths.

3. Online Registration Form

Focus: HTML forms, input validation, attributes

Scenario: A web form collects a visitor's name, email, gender, and comments.

Concepts: <form>, <input>, <textarea>, <select>, name, placeholder, method, action.

4. Recipe Instruction Page

Focus: Ordered and unordered lists

Scenario: Display a cooking recipe with ordered steps and unordered ingredients.

Concepts: , , , <h1>–<h3>, CSS list styling.

5. News Article Layout

Focus: Semantic structure, details and summary

Scenario: Build a news page with expandable content for each article.

Concepts: <article>, <section>, <summary>, <details>.

6. Responsive Company Homepage

Focus: Media queries

Scenario: A landing page for a company that changes layout for mobile and desktop views.

Concepts: @media, max-width, responsive images.

7. Product Promotion Banner

Focus: CSS background, typography

Scenario: Design a promotional hero banner with a background image and styled heading.

Concepts: background-image, font-family, text-shadow, padding, margin.

8. Travel Agency Landing Page

Focus: Navigation menu, internal links

Scenario: Include “Home”, “Destinations”, “Gallery”, “Contact Us” links.

Concepts: <nav>, :hover, anchor pseudo-classes (a:link, a:visited, a:active).

9. Restaurant Menu

Focus: Tables and structure

Scenario: Present menu items in a styled table with alternating row colors.

Concepts: <table>, <tr>, <td>, nth-child, borders, padding.

10. Art Gallery Showcase

Focus: Images, accessibility, alt attributes

Scenario: Display artworks with captions that change color on hover.

Concepts: <figure>, <figcaption>, alt, title, :hover, responsive image sizing.

11. E-Commerce Product Card

Focus: CSS box model, borders, shadows

Scenario: Design a product display card with image, name, price, and “Buy Now” button.

Concepts: padding, margin, border, box-shadow, display:inline-block.

12. Music Player Page

Focus: Multimedia embedding

Scenario: Include an `<audio>` element with play/pause controls and fallback text.

Concepts: `<audio>`, controls, `<source>`, `<p>` fallback.

13. “How-To” Video Tutorial Page

Focus: HTML5 video tag

Scenario: Embed a how-to MP4 video with custom dimensions and fallback message.

Concepts: `<video>`, `<source>`, controls, poster, fallback message.

14. Login Form with CSS Styling

Focus: Form layout and styling

Scenario: Design a styled login form centered on the screen with rounded inputs.

Concepts: `display:flex`, `justify-content`, `border-radius`, `box-shadow`.

15. Blog Page Layout

Focus: Sections and articles

Scenario: Build a multi-section blog page with individual article summaries.

Concepts: `<main>`, `<article>`, `<aside>`, float, clear, typography rules.

16. Responsive Image Gallery

Focus: Grid and flexbox

Scenario: Display image thumbnails that automatically adjust to screen width.

Concepts: `display:grid`, `grid-template-columns`, gap, responsive units (fr, %, vw).

17. City Power & Light Information Page

Focus: Inline, internal, and external styles

Scenario: Show differences between the three CSS application methods.

Concepts: `<style>`, `<link>`, style attribute, CSS specificity.

18. “Contact Us” Page with Embedded Map

Focus: Iframes and semantic layout

Scenario: Include a Google Maps iframe and contact form with styled fields.

Concepts: <iframe>, width, height, <form>, label, responsive embedding.

19. Fashion Brand Landing Page

Focus: Typography and text decoration

Scenario: Stylize brand names with unique fonts and underlines.

Concepts: text-transform, font-family, text-decoration, letter-spacing.

20. “About Us” Section with Float and Positioning

Focus: CSS positioning and layout

Scenario: Use relative, absolute, and fixed positioning to create an about section with an image floated beside text.

Concepts: position, float, clear, relative, absolute, fixed.

HTML & CSS International Exam Domain

| Exam Objective | Projects Covering It |
|-------------------------------|----------------------|
| HTML Structure & Semantics | 1, 5, 9, 15 |
| Hyperlinks & Navigation | 2, 8, 16 |
| Forms & Inputs | 3, 14, 18 |
| Lists, Tables, and Media | 4, 9, 12, 13 |
| Images, Video & Accessibility | 10, 13, 37 |
| CSS Selectors & Syntax | 7, 11, 17, 19 |
| Box Model, Padding, Margin | 11, 14, 15 |
| Positioning & Display | 20, 16 |
| Responsive Design | 6, 16, 19 |
| Pseudo-classes & Hover States | 8, 10, 17 |