

LMAR 1st Challenge: Museum Website

1. Objective of the challenge

Create a static website for a museum (real or fictional) applying good HTML5 and CSS practices. You must practice the different position types (static, relative, absolute, and fixed). In addition, you will implement a ticket purchase form that calculates the total amount using JavaScript. Students must “create” works of art for the museum using Box Model (margins, borders, padding, sizes, and box-sizing).

2. What you must deliver

- A site with 3 HTML pages linked to each other: Home, Exhibitions, and Tickets.
- A fixed header or navigation bar (position: fixed) visible on all pages.
- At least three examples of position: relative, absolute, and fixed (e.g., a superimposed poster using absolute, a fixed info bar, a relative container block).
- Explicit use of Box Model in the creation of works of art.
- Images, (nested) lists, tables, internal (anchor) and external links, paragraphs, and headings.
- Proper project structure in folders (img, css, js, media...) with consistent and meaningful file names.

3. "Exhibitions" Page

This page must display several works of art created by the students using the Box Model. Each work must demonstrate the use of margin, padding, border, width/height, and, when appropriate, box-sizing (content-box/border-box).

4. Ticket Form (mandatory requirement)

- Minimum fields: full name, e-mail, visit date, time slot (select), ticket type (radio or select: Adult, Student, Child), quantity, guided visit (checkbox), and discount code.
- By pressing the Calculate button, the total amount must be displayed on screen.

- Define base prices in JavaScript (e.g.: Adult €12, Student €8, Child €5; guided visit +€4 per person).
- Apply simple discounts (e.g., code MUSEUM10 = -10%).
- Validations: non-empty fields (except discount code) and quantity ≥ 1 .
- Display an order summary (line by line) and total formatted with the € symbol.

5. Quality and accessibility

- Alternative text in images and labels associated with form fields (label for).
- Sufficient contrast and readable font size.
- Clear and consistent navigation (active links, informative page titles).

6. Technical Evaluation (80% of the grade)

Criterion	Description	Weight
HTML5 Tags	Correct use of images, tables, nested lists, links, paragraphs, headings, audio/video.	10%
Project Organization	Proper folder structure (css, js, img...), correct file names, multiple HTML files.	5%
Layout with CSS Position	Correct use of static/relative/absolute/fixed in different sections.	15%
CSS (Technical)	Varied selectors, appropriate specificity, clean and reusable styles.	15%
CSS (Appearance)	Design consistent with a museum; typography and spacing.	10%
Ticket Form	Multiple elements and accessible labeling; clear presentation.	10%
JavaScript Calculation	Correct total calculation and clear feedback.	10%

Box Model Applied	Evident use of margin, padding, border, and box-sizing in cards/'artworks'.	15%
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7. Cross-Curricular Competencies (20% of the grade)

- Teacher evaluation: 10%
- Co/self-evaluation: 10%

8. Submission

Upload a compressed folder containing the complete project (HTML, CSS, JS, images, and other resources) in the challenge related Moodle task.