

# LMAR 1st Challenge: Museum Website

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## 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  $\geq 1$ .
- 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.