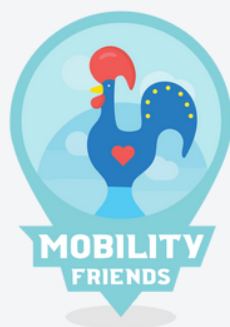


STEM AND TECHNOLOGICAL
INNOVATION

Programming and Development

WEB DEVELOPMENT WITH HTML, CSS AND JAVASCRIPT



Your Mobility Partner

COURSE OVERVIEW

Web Development with HTML, CSS and JavaScript offers a practical and engaging introduction to the technologies that power the modern web. Participants will learn how to structure content with HTML, design layouts and styles with CSS, and add interactivity using JavaScript. Throughout the course, participants will explore how web pages are built and gain confidence in writing and combining code to create functional and visually appealing websites. Hands-on exercises and guided tasks will allow learners to experiment with real code from the very beginning. By the end of the course, participants will have developed a simple yet interactive website and will be able to apply their skills to personal projects, academic presentations, or basic digital portfolios.

TARGET AUDIENCE

This course is intended for participants who are interested in learning how to create and style websites using HTML, CSS and JavaScript. It is suitable for those with a curiosity for web technologies, digital creativity, and hands-on problem-solving. The course is designed for individuals who want to understand how websites are built from the ground up and gain the skills to develop interactive and visually engaging content. It is also relevant for participants who wish to explore basic front-end development tools and create simple web-based projects for personal, academic or professional use.

REQUIREMENTS

To take part in the course, participants must meet the following requirements:

- Have at least a B1 level of English (independent user);
- Complete and submit the registration form before the start of the training;
- Bring a laptop or tablet to use during the sessions;
- Commit to active participation and attend at least 80% of the course.

COURSE OBJECTIVES

The objectives of the course are:

- Learn how websites are structured using HTML and how to create meaningful and well-organised page layouts.
- Explore the use of CSS to style content and improve the visual presentation of web pages.
- Understand how JavaScript can be used to add interactivity and respond to user actions.
- Practise combining HTML, CSS and JavaScript to build functional and attractive web pages.
- Develop a small interactive website as a final project, applying the knowledge gained throughout the course.

CONTACTS AND REGISTRATION

For registrations, additional information, or budget requests, please contact our team by email at trainingcourses@mobilityfriends.org or visit our website at www.mobilityfriends.org.

LEARNING OUTCOMES

Upon successful completion of this course, learners will be able to:

1. Create a structured web page using standard HTML elements.
2. Apply CSS rules to style content, manage layout, and enhance the visual design of a page.
3. Use JavaScript to add basic interactivity to web pages (e.g. handle clicks, form inputs, dynamic changes).
4. Understand the relationship between HTML, CSS and JavaScript in the browser.
5. Build a multi-section web page that includes text, images, links, lists, forms and interactive elements.
6. Use simple JavaScript functions and events to manipulate the DOM (Document Object Model).
7. Work collaboratively to design, build and test a small website as a final project.
8. Reflect on their learning process and identify how to continue improving their web development skills.

METHODOLOGY

The course is structured around a rigorous methodology that combines theoretical exposition, practical work, and applied demonstrations. This approach ensures a thorough understanding of the subject matter and its direct application in real-world contexts.

Theoretical sessions provide essential foundations, while practical work and demonstrations facilitate the development of technical skills and familiarity with the specific tools and procedures relevant to the course.

Continuous monitoring through individualized feedback allows for tracking learners' progress and ensures the achievement of the set objectives, preparing participants to face professional challenges with competence and precision.

ASSESSMENT

Assessment is carried out continuously throughout the course, using a holistic and learner-centered approach that reflects both participation and performance. Each participant is evaluated based on their overall engagement, regular attendance, punctuality, interest in the topics covered, ability to apply knowledge during practical tasks, and interaction with peers in individual and group activities.

The evaluation process includes a variety of classroom-based tasks (oral and written), short daily assignments, role-plays, and simulations. Trainers provide ongoing, individualized feedback to support progress and encourage active learning.

A Certificate of Participation is awarded to participants who attend at least 80% of the sessions and demonstrate consistent involvement and commitment during the training.

DURATION

The standard duration of our course is 20 hours (5 days), designed to ensure comprehensive and effective learning. However, this duration can be adjusted, in specific cases, to meet the particular needs of each group, in order to optimize outcomes and better suit the training context.

For further details or to discuss a customized schedule, please get in touch with us.

PRICE AND FUNDING

Each quotation is personalized and depends on several factors, such as the number of participants, the number of training hours, the location of the course, and any additional services requested (accommodation, transport, meals, cultural activities, etc.).

To receive a tailored quotation for your group, please get in touch with us.

The training can be funded through programs such as Erasmus+ (KA1 – Learning Mobility), among other European support mechanisms. For more information about funding, participants should contact their sending organization or their country's National Agency directly.

LOCATION AND COURSE LANGUAGE

We have training rooms in several cities in Mainland Portugal, such as Barcelos (headquarters), Braga, Póvoa de Varzim, and Porto. We also have spaces in the islands of Madeira (Funchal) and the Azores (Ponta Delgada). Additionally, we have facilities in Valencia, Spain.

The course is delivered in English.

CERTIFICATION

A Certificate of Participation is awarded to participants who attend at least 80% of the sessions and demonstrate consistent engagement and commitment throughout the training. Upon completion of the course, a formal certification ceremony will take place, during which the certificates will be presented to the participants.

OTHER SERVICES

To enrich the training experience, Mobility Friends offers a range of additional services, subject to availability and additional cost, which can be arranged for individual participants or groups.

Services include:

- Accommodation in partner residences or hotels
- Meals (lunch and/or dinner)
- Transfers between the accommodation and the training room
- Airport transfers
- Cultural visits

All services are subject to availability and must be requested in advance. For more information and personalised quotes, please contact our team.

COURSE CONTENTS

MODULE 1: INTRODUCTION TO THE WEB AND BASIC HTML STRUCTURE

- What is the Web and how websites work.
- Front-end concepts: HTML, CSS and JavaScript.
- Basic HTML document structure.
- Main elements: `<html>`, `<head>`, `<title>`, `<body>`.
- Text elements: `<h1>` to `<h6>`, `<p>`, `
`, `<hr>`.
- HTML comments.

MODULE 2: CONTENT ORGANISATION AND NAVIGATION

- Lists: ``, ``, ``.
- Images: `` with attributes `src`, `alt`, `width`, `height`.
- Links: `<a>` with internal and external URLs.
- Basic tables: `<table>`, `<tr>`, `<th>`, `<td>`.
- Semantic elements: `<header>`, `<nav>`, `<main>`, `<section>`, `<footer>`.
- Creating multipage sites with navigation menus.

MODULE 3: CSS STYLING - VISUAL FUNDAMENTALS

- CSS rule syntax: selectors, properties, values.
- Colours: `color`, `background-color`, basic gradients.
- Typography: `font-family`, `font-size`, `font-weight`, `text-align`.
- Spacing: `margin`, `padding`, `line-height`.
- Borders and effects: `border`, `border-radius`, `box-shadow`.
- Applying CSS: inline, internal and external methods.

MODULE 4: LAYOUT AND VISUAL STRUCTURE WITH CSS

- The box model concept.
- display properties: `block`, `inline`, `inline-block`.
- Positioning: `static`, `relative`, `absolute`, `fixed`.
- Layering elements with `z-index`.
- Introduction to Flexbox: `display: flex`, `justify-content`, `align-items`, `gap`.
- Building simple and responsive layouts.

COURSE CONTENTS

MODULE 5: INTRODUCTION TO JAVASCRIPT

- What is JavaScript and its role in websites.
- Declaring variables: `let`, `const`.
- Basic operators and data types.
- Creating and calling simple functions.
- DOM manipulation: `getElementById`, `innerHTML`, `style`.
- Event handling basics: `onclick`, `onmouseover`, `onchange`.

MODULE 6: FORMS AND VALIDATION

- Form elements: `<form>`, `<input>`, `<textarea>`, `<select>`, `<button>`.
- Key attributes: `placeholder`, `required`, `type`, `value`, `checked`.
- Styling forms with CSS.
- Simple validation with JavaScript.
- Providing user feedback (error messages, visual cues, highlights).

MODULE 7: FINAL PROJECT - INTERACTIVE WEBSITE

- Planning the site: theme, structure and required features.
- Building the HTML structure across multiple pages.
- Applying consistent CSS styling via external files.
- Adding interactivity using JavaScript.
- Creating and validating a working form.
- Testing, refining and presenting the final project.

MOBILITY FRIENDS TRAINING CENTER



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for Employment and Labor Relations

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