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Sign up

Joomla Template Design Training

3 days (21 hours)

Overview

Joomla Template Design is a course dedicated to designing professional templates for Joomla, with a modern approach focused on performance, accessibility, SEO, and maintainability.

Our Joomla Template Design course will enable you to create custom themes by mastering template structure, module positions, settings, overrides, and layouts.

You will learn to design responsive interfaces using HTML5, SCSS, custom fields, and reusable components, while making it easier for business teams to edit content.

You will be able to optimize your templates using the Web Asset Manager, best practices for performance, accessibility, SEO, front-end security, and compatibility with Joomla extensions.

By the end of this course, you will be able to create, document, version, package, and deliver a maintainable Joomla template that is production-ready and suited for a professional project context.

Like all our training courses, this one will introduce you to **the latest stable version** of the technology and its new features.

Objectives

- Design a professional and maintainable Joomla template.
- Master positions, parameters, overrides, and layouts.

- Utilize HTML5, SCSS, and the Web Asset Manager.
- Create reusable editorial layouts and components.
- Optimize accessibility, SEO, performance, security, and compatibility.
- Prepare packaging, documentation, versioning, and deployment.

Target Audience

- Web developers
- Web designers
- Front-end developers
- CMS integrators
- Joomla developers
- Web project managers
- Technical webmasters

Prerequisites

- Basic knowledge of HTML5, CSS3, and JavaScript.
- Basic knowledge of PHP.
- General knowledge of Joomla administration.
- Basic understanding of Git and web integration workflows.

Technical prerequisites

- Laptop with at least 8 GB of RAM.
- Local or remote Joomla environment available.
- Code editor installed, such as Visual Studio Code or PhpStorm.
- A modern web browser with developer tools enabled.
- Access to Git and a ZIP compression tool for packaging.

Our Joomla Template Design Training Program

[Day 1 - Morning]

Joomla Template Architecture and Customization

- Understanding the structure of a Joomla template
- Identifying key files: index.php, templateDetails.xml, /css, /js, /html folders
- Defining module positions and best practices for naming
- Understanding template inheritance and customizing Joomla core themes
- Declaring parameters in templateDetails.xml
- Hands-on workshop: Create a Joomla template base with custom positions, parameters, and a maintainable structure.

[Day 1 - Afternoon]

HTML5, SCSS, responsive design, and editor experience

- Structuring templates with clean HTML5 semantics
- Organizing CSS and SCSS files
- Utilizing variables, mixins, and SCSS compilation
- Building a responsive foundation with breakpoints, adaptive images, and aspect ratios
- Using custom fields in layouts
- Hands-on workshop: Customize the color palette and typography, and create an editable article template.

[Day 2 - Morning]

Overrides, layouts, modules, and editorial layouts

- Understanding component, module, and layout overrides
- Creating overrides for content views: blog, category, and article
- Using JLayouts to refactor interface elements
- Configuring the chrome module to customize module display
- Building a modular header, hero sections, grids, lists, and cards
- Hands-on workshop: Create overrides, an editorial header, and a reusable card grid.

[Day 2 - Afternoon]

Assets, performance, SEO, and accessibility

- Use the Web Asset Manager to manage scripts and styles
- Declare dependencies, versions, and loading attributes
- Conditionally load assets based on views
- Optimize performance and Core Web Vitals
- Apply best practices for WCAG, SEO, SEF URLs, metadata, and structured data
- Hands-on workshop: Optimizing a Joomla page for performance, accessibility, and SEO.

[Day 3 - Morning]

Design system, security, and compatibility

- Create design tokens with CSS variables
- Build a component library: cards, lists, CTAs, and editorial blocks
- Defining cross-cutting accessibility rules
- Verify compatibility with major Joomla extensions
- Apply best practices for front-end security: CSP, integrity, minimal JS
- Hands-on workshop: Create a mini component library and perform a quality, security, and compatibility audit.

[Day 3 - Afternoon]

Packaging, versioning, and production deployment

- Prepare template packaging: ZIP, manifest, and versions
- Organize the Git repository and the staging-to-production cycle
- Document settings, layouts, and components
- Create an operations guide for the content team
- Prepare maintenance and the version log
- Hands-on workshop: Finalize, document, and deliver a production-ready Joomla template.

Target Audience

This training is intended for both individuals and companies, large or small, wishing to train their teams in new advanced IT technologies or to acquire specific professional knowledge or modern methods.

Assessment upon enrollment

The pre-training assessment complies with Qualiopi quality standards. Upon final registration, the learner receives a self-assessment questionnaire that allows us to evaluate their estimated proficiency in various types of technologies, as well as their expectations and personal goals regarding the upcoming training, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could pose challenges for monitoring and ensuring the smooth running of the training session.

Teaching Methods

Practical Course: 60% Practical, 40% Theory. Training materials distributed in digital format to all participants.

Organization

The course alternates between theoretical input from the trainer, supported by examples and reflection sessions, and group work.

Assessment

At the end of the session, a multiple-choice questionnaire is used to verify that the skills have been properly acquired.

Certification

A certificate will be issued to each trainee who has completed the entire training program.