

Odoo Website Development

Prerequisites: Knowledge of HTML, CSS and JavaScript
Overview of CMS

Day 1: Introduction to Odoo and Website Basics

Overview of Odoo

- Introduction to Odoo: Architecture and key modules
- Odoo Website Module: Features and capabilities
- Understanding the Odoo CMS (Content Management System)

Setting Up the Development Environment

- Installing Odoo (local setup or cloud)
- Configuring the development environment
- Overview of Odoo backend interface

Website Configuration

- Creating a new website in Odoo
- Configuring basic settings: language, timezone, and currency
- Customizing the website layout with themes and templates

Content Management

- Managing website pages: Adding, editing, and organizing pages
- Using Odoo's drag-and-drop website builder
- Integrating multimedia content: Images, videos, and documents

Lab 1: Website Setup and Basic Customization

- Set up a new website in Odoo and apply a theme
- Create and organize pages using the Odoo website builder
- Integrate multimedia content and ensure responsive design

Day 2: Advanced Website Features

Navigation and Structure

- Creating and managing menus and navigation
- Implementing breadcrumbs and navigation hierarchy
- Enhancing user experience with navigation tools

Implementing Forms and Capturing Data

- Creating contact forms, surveys, and lead capture forms
- Configuring form actions: Submission handling and email notifications
- forms with Odoo CRM for lead management

Ecommerce Integration

- Integrating Ecommerce functionalities with the website
- Displaying product catalogs and categories
- Configuring shopping cart, checkout, and payment gateways

SEO and Website Optimization

- Understanding SEO best practices in Odoo
- Configuring meta tags, keywords, and descriptions
- Utilizing Odoo tools for website performance optimization

Lab 2: Implementing Navigation, Forms, and Ecommerce

- Create a multi-level menu and navigation structure
- Implement a contact form with CRM integration
- Set up an Ecommerce page with product listings and a checkout process

Day 3: Custom Development and Theming

Introduction to Odoo Theming

- Understanding Odoo themes: XML and QWeb templating
- Creating a custom theme from scratch
- Modifying existing themes for custom requirements

Developing Custom Blocks and Snippets

- Introduction to Odoo website blocks and snippets
- Creating reusable custom blocks and snippets
- Adding dynamic content using Odoo's templating engine

JavaScript and CSS in Odoo

- Integrating custom JavaScript for enhanced interactivity
- Using Odoo's asset management for CSS and JS files
- Best practices for maintaining and organizing styles and scripts

Multi-language and Localization

- Implementing multi-language support on the website
- Translating website content using Odoo tools
- Configuring localization settings (date, time, currency formats)

Lab 3: Custom Theming and Development

- Develop a custom theme and apply it to the website
- Create custom blocks and snippets for dynamic content
- Implement multi-language support and test localization

Day 4: Advanced Customization and Integration

Integrating Third-Party Services

- Integrating external services: Google Analytics
- Implementing social media integration and sharing buttons
- Adding custom APIs and webhooks for enhanced functionality

Odoo Website Custom Modules

- Creating custom modules to extend website functionalities
- Understanding the Odoo module structure and components
- Best practices for developing and deploying custom modules

Security and Access Control

- Implementing security best practices for Odoo websites
- Configuring user roles and access rights
- Setting up secure connections and SSL certificates

Testing and Debugging

- Testing website functionality across different devices and browsers
- Using Odoo's built-in tools for debugging and performance monitoring
- Conducting usability testing and gathering feedback

Lab 4: Custom Modules and Security Implementation

- Develop and deploy a custom module on the website
- Integrate a third-party service and test its functionality
- Implement security measures and test access control

Day 5: Final Project

Final Project Planning

- Define the scope and requirements of the final project
- Planning the development timeline and milestones
- Assigning tasks and roles (if in a group setting)

Project Development and Implementation

- Develop the final project based on the defined requirements
- Implement all aspects: Theming, custom development, integrations, and security
- Test the website for functionality, performance, and usability

Lab 5: Final Project Development and Deployment

- Complete the development of a fully functional Odoo website

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