**Umbraco 13 Training Agenda**

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# Day 1: Introduction to Umbraco 13

* Overview of Umbraco CMS
  + Understand the fundamentals of Umbraco CMS and its capabilities.
* Key Features and Improvements in Umbraco 13
  + Explore the latest features introduced in Umbraco 13.
* Understanding Umbraco’s Architecture
  + Learn about the Backoffice, Content Delivery, and APIs.
* Installation and Setup
  + Set up a local development environment.
  + Install Umbraco 13 via CLI & NuGet.
  + Configure the database.

# Day 2: Understanding the Umbraco Backoffice

* Exploring the Backoffice Interface
  + Navigate and utilize the Backoffice effectively.
* User Roles and Permissions
  + Manage user roles and set permissions.
* Creating and Managing Content
  + Develop and oversee content within Umbraco.
* Data Types, Document Types, and Templates
  + Understand and implement various data structures.

# Day 3: Content Modeling & Template Development

* Document Types & Compositions
  + Define and use document types and their compositions.
* Data Types (Text, Media, Relations)
  + Work with various data types in Umbraco.
* Creating Templates Using Razor (.cshtml)
  + Develop templates using Razor syntax.
* Partial Views and Macros
  + Implement reusable components with partial views and macros.

# Day 4: Customizing Umbraco & Developing Custom Components

* Implementing Custom Controllers and Services
  + Create custom controllers and services for extended functionality.
* Working with Umbraco APIs (Content Service, Media Service)
  + Utilize Umbraco's APIs for content and media management.
* Dependency Injection in Umbraco
  + Understand and implement dependency injection.
* Creating Custom Property Editors
  + Develop custom property editors to enhance the editor experience.

# Day 5: Creating a Simple Website with Umbraco 13

* Structuring a Real-World Umbraco Project
  + Plan and structure an Umbraco project effectively.
* Implementing a Basic Website with Pages and Navigation
  + Build a website with proper navigation and pages.
* Styling Using CSS & JavaScript in Umbraco
  + Apply styles and scripts to enhance the website's appearance.
* Caching Strategies for Better Performance
  + Implement caching to improve site performance.

# Day 6: Working with Forms & Search

* Implementing Umbraco Forms
  + Create and manage forms within Umbraco.
  + Reference: Umbraco Forms Documentation
* Using Examine for Search Functionality
  + Implement search functionality using Examine.
* Implementing Custom Search Providers
  + Develop custom search providers to extend search capabilities.

# Day 7: Deploying & Managing Umbraco Projects

* Hosting Options (Azure, IIS, Cloud Solutions)
  + Explore various hosting options for Umbraco projects.
* Deploying Umbraco 13 Applications
  + Deploy Umbraco applications to different environments.
* Umbraco Deploy and CI/CD Strategies
  + Implement continuous integration and deployment strategies.
* Database Migrations and Schema Changes
  + Manage database migrations and handle schema changes.

# Day 8: Security & Best Practices

* Security Configurations and Best Practices
  + Configure security settings and follow best practices.
* User Authentication & Authorization
  + Manage user authentication and set up authorization.
* Role-Based Access Control
  + Implement role-based access control mechanisms.
* Performance Optimization Techniques
  + Apply techniques to optimize the performance of Umbraco sites.

**References:**

* **Umbraco 13 Documentation** <https://docs.umbraco.com/umbraco-cms/13.latest/tutorials/overview>
* **Umbraco 13 Tutorial Video Series** <https://www.youtube.com/watch?v=xeWh9-56UzY&list=PL90L_HquhD-9c-74wwpYTJuElTBalOqat>