

KOENIG SOLUTIONS • COURSE OUTLINE

.NET & GitHub Dev

Learn to build web front ends with HTML, integrate Kentico with ASP.NET MVC, and apply GitHub Copilot and Azure OpenAI.

4 Days

32 HOURS

4

MODULES

41

TOPICS

COURSE OVERVIEW

This course opens with essential HTML, covering structure, forms, tables, semantic markup, accessibility, and how HTML integrates with external APIs and SDKs. It then moves into Kentico Xperience, exploring page building, content management, and integration with ASP.NET MVC, along with site administration. The course continues with GitHub Copilot and agentic AI, examining Copilot Studio for low-code agent building and enterprise agent scenarios. It concludes with Azure OpenAI Service, covering available models, deployment options, and use cases such as chatbots, summarisation, and code generation.

WHO THIS COURSE IS FOR

Web Developers

Front-End Developers

CMS Administrators

Content Editors

AI Solution Developers

LEARNING OBJECTIVES

- Describe HTML structure, tags, and attribute nesting rules
- Build forms, inputs, and tables using HTML
- Explain semantic HTML and accessibility practices
- Identify how HTML integrates with external APIs and SDKs
- Configure Kentico page builder, content tree, and widgets
- Integrate Kentico with ASP.NET MVC controllers and views
- Assess GitHub Copilot capabilities and agentic AI scenarios
- Explain Azure OpenAI Service models and deployment options

4 Modules, 41 Topics

DAY 1

8 hours

01

Front-End - HTML (Essentials Only)

HTML STRUCTURE & COMMON TAGS

- Boilerplate structure and basic tags (p, h1, div)
- Attributes and tag nesting rules
- 1 basic demo

FORMS, INPUTS, TABLES (NO JS/CSS)

- Input types and submission behavior
- Table layout basics
- 1 basic demo

SEMANTIC HTML & ACCESSIBILITY

- Tags like <article>, <nav>, <section>
- ARIA roles and screen reader tips
- 1 basic demo

HTML INTEGRATION WITH APIS (E.G., COPILOT, BOTS)

- How HTML connects with external JS SDKs
- 1 basic demo

WHEN TO USE HTML VS LOW-CODE/NO-CODE BUILDERS - NO DEMO

- Comparing HTML development vs tools like Power Pages
- Time/cost trade-offs for prototyping

DAY 2

8 hours

Kentico without demo

02

Kentico + .NET (CMS S MVC)

KENTICO OVERVIEW - CMS VS EMS - NO DEMO

Core features of Kentico Xperience · Use cases in marketing and content

PAGE BUILDER, CONTENT TREE, & WIDGETS

How marketers and editors use drag-and-drop · Template-based layout system · 1 basic demo

INTEGRATION WITH ASP.NET MVC

Architecture: decoupled front-end · Controller-view interaction model · 1 basic demo

SITE MANAGEMENT & ADMIN ESSENTIALS

Users, roles, workflows, and content staging · Admin panel overview · 1 basic demo

03

GitHub Copilot S Agentic AI

WHAT IS COPILOT - CAPABILITIES AND ECOSYSTEM - NO DEMO

- Real-time AI pair programming
- Supported tools (VS Code, JetBrains, CLI)

AGENTIC AI - TASK CHAINING AND AUTONOMY - NO DEMO

- What makes an AI “agentic”
- Differences from basic LLMs

COPILOT STUDIO OVERVIEW - LOW-CODE AGENT BUILDER

- Natural language prompt-based agent design
- 1 basic demo

ENTERPRISE SCENARIOS - DEVELOPER & BUSINESS AGENTS - NO DEMO

- Email summarizers, PR reviewers, policy assistants
- Where Copilot fits in Microsoft ecosystem

04

OpenAI on Azure

AZURE OPENAI SERVICE OVERVIEW - NO DEMO

- What’s available and how it works
- Key differences from OpenAI.com access

KEY MODELS: GPT-4, EMBEDDINGS, ASSISTANTS - NO DEMO

- When to use which model
- Overview of use cases (chatbot, summarizer, codegen)

ACCESS, DEPLOYMENT & INTEGRATION OPTIONS

- Provisioning a resource
- Authentication and access tokens
- 1 basic demo

USE CASES: CHATBOTS, SUMMARIZATION, CODE HELP - NO DEMO

- Demo-style explanation (without building)
- Prebuilt connectors in Power Platform, Dynamics

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

Visit koenig-solutions.com

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