



TECHNOCATION FREELANCING TRAINING INSTITUTE & SOFTWARE HOUSE

Professional APPML (Application Modeling Language) Course Outline

Module 1: Introduction to APPML

- What is APPML? Overview & Features
- APPML vs. Traditional Web Development Approaches
- Understanding the Model-View-Controller (MVC) Architecture in APPML
- Setting Up APPML in a Web Project

Module 2: APPML Fundamentals

- APPML Syntax & Core Concepts
- Defining Data Models & JSON Structures
- Understanding APPML Controllers & Views
- Binding Data to HTML Elements

Module 3: Data Handling with APPML

- Fetching & Displaying Data from JSON
- Sorting, Filtering, and Searching Data
- Implementing Data Pagination
- Handling User Input with APPML Forms

Module 4: APPML & AJAX for Dynamic Content

- Making Asynchronous API Calls with APPML
- Handling JSON & XML Data Sources
- Real-Time Data Updates & Auto-Refreshing Content
- Working with External APIs in APPML

Module 5: APPML & Database Integration

- Connecting APPML to MySQL & SQL Server
- Using APPML for CRUD Operations (Create, Read, Update, Delete)
- Storing & Retrieving Data Efficiently
- Handling Large Data Sets with APPML

Module 6: APPML & User Interface (UI) Development

- Customizing HTML Templates with APPML
- Implementing Dynamic Forms & User Inputs
- Using APPML for Interactive Dashboards
- Best Practices for Designing APPML-Based Applications

Module 7: Security & Performance in APPML

- Protecting Data from Unauthorized Access
- Securing API Calls & Authentication in APPML
- Optimizing Performance for Large Applications
- Debugging & Error Handling in APPML

Module 8: APPML & Modern Web Development

- Integrating APPML with JavaScript Frameworks (Vue.js, React.js, Angular)
- Using APPML with Bootstrap & CSS Frameworks
- Progressive Web Apps (PWA) & APPML
- Deploying APPML Applications to Cloud Services

Module 9: Advanced APPML Features & Customization

- Using Custom Filters & Functions in APPML
- Handling Multi-Language Support in APPML Applications
- Creating Custom Widgets & UI Components
- Developing Scalable APPML-Based Web Apps

Module 10: Final Project & Certification Preparation

- Building a Fully Functional APPML-Based Web Application
- Working with APIs, Databases, and UI Components
- Preparing for APPML-Related Interviews & Certifications
- Career Paths in Data-Driven Web Development with APPML