



## 4. Web Development

### 4.13 Magento 2

#### Prerequisites:

1. Core/Advance PHP
2. OOPs
3. HTML, CSS & JavaScript

**Duration:** 60 Lectures

#### Course Content:

##### 1. Introduction

- 1.1. Preparation
- 1.2. Overview and Architecture
- 1.3. File Systems
- 1.4. Configuration
- 1.5. Dependency Injection (DI) & Object Manager
- 1.6. Plugins
- 1.7. Events

##### 2. Request Flow

- 2.1. Request Flow Overview
- 2.2. Request routing
- 2.3. Controller Architecture
- 2.4. Working with Controllers
- 2.5. URL Rewrites

##### 3. Rendering

- 3.1. Rendering Overview



- 3.2. Rendering Flow
- 3.3. View Elements
- 3.4. Block Architecture & Lifecycle
- 3.5. Templates
- 3.6. UiComponents
- 3.7. Layout XML Structure
- 3.8. Layout XML Loading & Rendering

## 4. Databases

- 4.1. Databases Overview
- 4.2. Models Workflow
- 4.3. Setup Scripts & Resources
- 4.4. Entity-Attribute-Value Concepts
- 4.5. EAV Load & Save
- 4.6. Attribute Management

## 5. Service Contracts

- 5.1. Service Contracts Overview
- 5.2. Service API: Framework API
- 5.3. Service API: Search Criteria, Repositories, Business Logic
- 5.4. Data API
- 5.5. Web API

## 6. Adminhtml

- 6.1. Adminhtml Overview
- 6.2. Grids: Filters, Datasource, Listing UiComponent
- 6.3. Grids: Grid Indexer, Columns, Paging
- 6.4. Forms
- 6.5. Sys Config, Menu, ACL

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