



## Curriculum Of SAP UI5 FIORI

### INTRODUCTION

- Introduction to SAP UI5/FIORI Technology

### HTML 5 /CSS

- Basic HTML Tags
- Types of style sheet's
- Designing Table
- Creating style sheet's
- Designing Forms
- Creating custom CSS files
- Submitting Forms
- Selectors in CSS
- DOM

### JAVASCRIPT

- Introduction
- Javascript Events and Function's
- Manipulating UI elements using Javascript
- Regular Expressions
- Validating HTML pages
- Operators
- Arrays
- Javascript Objects
- Creating Javascript prototype's
- Prototype Inheritance

### JQUERY

- Introduction
- JQuery library
- JQuery selectors

### FRAMEWORK BASICS

- Eclipse Tool Installation
- Creating UI5 applications in Eclipse
- Libraries in UI5 Framework
- Dialog boxes
- Creating UI5 screen elements
- Layouts
- Creating custom UI controls

### VIEWS

- MVC Architecture
- Development of UI5 Applications in Eclipse with different view Types

### DATA BINDING

- Property Binding
- Element level Binding
- Aggregation Binding
- One-way and Two-Way Binding
- Static Binding
- Dynamic Binding

### MODELS

- JSON Files and JSON Model
- XML Files and XML Model
- Properties Files and Internalization using Resource Models

### NAVIGATION

- Navigation between views
- Data Exchange between Views

### APP DEVELOPMENT

- Developing App
- Developing Split-App Applications using Master and Detail Pages
- Routing
- Component.js
- Manifest.json 4

### INTEGRATION

- Introduction to ODATA Model
- Consuming ODATA Services
- CRUD Operations from UI5 Front-end Applications using ECLIPSE

### WEBIDE & FIORI

- Creating HANA Trial Account and Introduction to WEBIDE Tool



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- Creating Destinations in HANA Cloud Platform
- Navigation and Data exchange between views using Routing
- Master-Detail UI5 application using WEBIDE templates
- Fragments Creation
- Associating Fragments in controllers
- Installation of LOCAL WEBIDE and Connecting to Remote Systems
- Consuming ODATA Services from Local WEBIDE Tool
- FIORI Introduction
- Types of FIORI Applications
- Accessing and Enhancing Standard FIORI Applications
- Deployment of UI5 Applications to ABAP Repository and HANA Cloud Platform
- FIORI Launch pad
- Implementing Fact Sheet Apps
- Implementing Analytical Apps
- Implementing Transactional Apps

### SAP UI5 BACKEND (ODATA SERVICES)

- Introduction to ODATA technology
- Netweaver Gateway Service Builder tool
- Restful constraints and ODATA Capabilities
- Defining Data Models, Entity and Entity sets
- Generating Runtime Artifacts
- Registering and Maintaining ODATA services

- Model provider and Data Provider class usages
- Mapping Based ODATA Service Implementation
- Code based service implementation – CRUD Operations
- ODATA Query Options
- Paging
- Deep Inserts
- Creating Associations and Navigation Property
- Navigation between entities
- Function imports
- Media resources/File