INFOSOFT IT SOLUTIONS

Training | Projects | Placements

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Java Web Dynpro

Introduction to Java Web Dynpro

- Overview of SAP NetWeaver and its components
- Introduction to Java Web Dynpro framework
- Benefits and features of Java Web Dynpro
- Architecture and development environment setup

Web Dynpro Basics

- Understanding MVC (Model-View-Controller) architecture
- Web Dynpro component controller and context binding
- Views and UI elements in Web Dynpro applications
- Navigation between views and window controllers

Context and Data Binding

- Context nodes and attributes
- Context mapping and binding
- Value mapping and value help
- Client-side and server-side context handling

UI Elements and Layouts

- Standard UI elements (Input Fields, Labels, Tables, etc.)
- Complex UI elements (Tabstrip, Tree, ALV Grid, etc.)

- Layout management and UI design principles
- Dynamic UI element creation and manipulation

Event Handling

- Event-driven programming in Web Dynpro
- Handling user events (Action, Selection, etc.)
- Event propagation and handling in component controller
- Context mapping and event handling

Internationalization and Localization

- Implementing multiple languages support
- Resource bundles and locale-specific content
- Language-dependent UI elements and messages
- Dynamic language switching in Web Dynpro applications

Adaptive RFC Model (aRFC)

- Overview of Adaptive RFC Model
- Integration with SAP back-end systems
- Configuring RFC destinations and connections
- Retrieving and updating data from SAP systems

Dynamic Modifications and Personalization

- Runtime personalization of UI elements
- Dynamic UI element visibility and behavior
- Implementing user-specific settings
- Configuration and administration of personalization

Web Dynpro Enhancements

- Creating and using Web Dynpro enhancements
- Enhancing standard Web Dynpro applications
- Adding custom functionality through enhancements

- Best practices for managing enhancements

Integration and Deployment

- Integrating Web Dynpro with SAP Portal
- Deploying Web Dynpro applications
- Configuration and administration of Web Dynpro applications
- Transport management and version control

Testing and Debugging

- Testing strategies for Web Dynpro applications
- Unit testing and integration testing
- Debugging techniques and tools
- Error handling and troubleshooting in Web Dynpro

Security and Authentication

- User authentication and authorization in Web Dynpro
- Secure coding practices
- Implementing SSL and HTTPS protocols
- Data encryption and secure communication

Performance Tuning and Optimization

- Performance optimization techniques
- Identifying and resolving performance bottlenecks
- Cache management and resource optimization
- Monitoring and profiling Web Dynpro applications

Error Handling and Logging

- Error handling strategies in Web Dynpro
- Logging mechanisms and best practices
- Custom error messages and exception handling
- Monitoring and reporting errors

Advanced Topics (Optional)

- Web Dynpro Java API overview
- Integrating Web Dynpro with other Java technologies (JDBC, JMS, etc.)
- Custom UI element development
- Integrating third-party libraries and frameworks

Project Work and Case Studies

- Hands-on exercises and assignments
- Real-world case studies and scenarios
- Developing a complete Web Dynpro application
- Presentation and review of project work