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COURSE NAME: SALESFORCE TRAINING

Module 4

Visit our website for Course Fees and Course Duration

Placement Eligibility:

Eligible: Any Bachelor Degree, Any Master Degree, MBA
Not Eligible: Diploma

Class Mode:

Classroom | Online | Recorded Session | AI Session

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SALESFORCE COURSE 4 SYLLABUS

SalesForce Development:

Introduction to Salesforce Development

- **Introduction to Salesforce Development**
- **Key Development Concepts**
- **Development Environment Setup**
- **Salesforce Development Tools**

Apex Programming

- **Introduction to Apex**
- **Apex Data Types and Variables**
- **Apex Control Structures**
- **Apex Classes and Methods**
- **Exception Handling in Apex**

SOQL and SOSL Queries

- **Introduction to SOQL and SOSL**
- **Writing and Executing SOQL Queries**
- **Query Optimization**
- **Dynamic SOQL**
- **Search in Salesforce with SOSL**

Visualforce Pages and Controllers

- **Introduction to Visualforce**
- **Creating Visualforce Pages**
- **Visualforce Controllers**

- **Standard and Custom Controllers**

- **Visualforce Components**

Lightning Components

- **Introduction to Lightning Components**

- **Developing Lightning Components**

- **Component Events and Communication**

- **Lightning App Builder**

- **Lightning Component Framework**

Triggers and Batch Processes

- **Introduction to Triggers**

- **Trigger Context Variables**

- **Trigger Best Practices**

- **Batch Apex**

- **Writing Asynchronous Processes**

Integration and Web Services

- **REST and SOAP Web Services**

- **External Data Integration**

- **Callouts in Apex**

- **OAuth and Authentication**

- **Integration Considerations**

Lightning Web Components

- **Introduction to Lightning Web Components (LWC)**

- **Building LWCs**

- **Communication in LWCs**

- **LWC Best Practices**

- **Migrating from Aura Components to LWC**

Testing and Debugging

- **Unit Testing in Apex**

- **Test Classes and Coverage**

- **Debugging Techniques**

- **Code Review and Quality Assurance**

- **Code Deployment and Version Control**

Lightning Experience Customization

- **Customizing Lightning Pages**

- **App Customization**

- **Lightning Record Pages**

- **Dynamic Forms and Actions**

- **Lightning Experience**

Security and Data Access

- **Data Security in Salesforce**

- **CRUD and FLS Permissions**

- **Sharing and Record-Level Security**

- **Security Best Practices**

- **Shield Platform Encryption**

Salesforce DX and Packaging

- **Introduction to Salesforce DX**

- **Source-Driven Development**

- **Packaging and Deployment**

- **Managed and Unmanaged Packages**
- **CI/CD with Salesforce DX**

SalesForce Admin:

Introduction to Salesforce and CRM Fundamentals

- **Introduction to Salesforce**
- **Understanding Customer Relationship Management (CRM)**
- **Salesforce Editions and Pricing**
- **Navigating the Salesforce Platform**

User Management and Security

- **User Setup and Management**
- **Profiles and Permission Sets**
- **Role Hierarchy and Sharing Rules**
- **Security Best Practices**
- **Audit Trail and Login History**

Customization and Data Modeling

- **Custom Fields and Objects**
- **Page Layouts and Record Types**
- **Picklists and Dependent Picklists**
- **Validation Rules and Formula Fields**
- **Schema Builder**

Business Process Automation

- **Workflow Rules and Actions**
- **Approval Processes**

- **Process Builder**

- **Flow Builder**

- **Automation Best Practices**

Data Management

- **Data Import and Export**

- **Data Deduplication**

- **Data Quality and Cleansing**

- **Data Loader and Data Import Wizard**

- **Data Storage and Limits**

Reports and Dashboards

- **Creating and Customizing Reports**

- **Report Types and Formats**

- **Report Filters and Sorting**

- **Dashboards and Dashboard Components**

- **Scheduling and Emailing Reports**

Collaboration and Chatter

- **Chatter Basics**

- **Chatter Groups and Feeds**

- **Chatter Files and Recommendations**

- **Chatter Security and Monitoring**

- **Chatter Best Practices**

AppExchange and Integrations

- **Installing and Managing AppExchange Apps**

- **Introduction to APIs**

- **Data Integration and Data Migration**

- **External Services and Third-Party Integrations**

- **Integration Best Practices**

Mobile and Lightning Experience

- **Salesforce Mobile App**

- **Lightning Experience**

- **Lightning App Builder**

- **Customizing Lightning Pages**

- **Mobile and Lightning Best Practices**

User Training and Adoption

- **Training Strategies**

- **End-User Support and Resources**

- **Change Management**

- **User Adoption Strategies**

- **Measuring Success**

Lightning:

Introduction to Lightning Development

- **Overview of Salesforce Lightning components**

- **The Lightning Component Framework**

- **Setting up a development environment**

- **Introduction to Lightning Web Components (LWC)**

Lightning Component Basics

- **Building and customizing Lightning components**

- Data binding and data handling in components

- Component lifecycle and events

- Debugging and testing Lightning components

Advanced Component Development

- Using Apex controllers with Lightning components

- Component design patterns

- Lightning component bundles and resources

- Dynamic component creation and destruction

Lightning App Development

- Building Lightning apps and app pages

- Customizing app layouts

- Integrating Lightning components into Lightning pages

- Lightning Page Templates

Lightning Experience Customization

- Customizing Lightning Experience with App Builder

- Designing Lightning Record Pages

- Creating custom Lightning Actions and Quick Actions

- Dynamic Forms and Dynamic Actions

Data Integration and External Services

- Integrating external data sources with Lightning components

- Using Salesforce Connect to access external data

- Callouts to external REST and SOAP services

- External objects and data modeling

Lightning Performance and Optimization

- **Optimizing Lightning component performance**

- **Caching strategies for Lightning components**

- **Best practices for data retrieval and rendering**

- **Profiling and debugging performance issues**

Advanced Lightning Web Components (LWC)

- **Building reusable LWCs**

- **LWC Styling and CSS**

- **LWC data sharing and communication**

- **Interacting with the Salesforce API in LWC**

Security and Permissions

- **Lightning Security Model**

- **Sharing and visibility settings**

- **Best practices for securing Lightning components**

- **OAuth and Identity Providers**

Deployment and Packaging

- **Deploying Lightning components and apps**

- **Change sets and Salesforce DX for deployment**

- **Creating and managing Lightning component packages**

- **Version control and source-driven development**

Lightning Component Accessibility

- **Building accessible Lightning components**

- **Testing and validation for accessibility**

- **Compliance with WCAG guidelines**

- **Assistive technologies and ARIA attributes**

Lightning Communities

- **Building and customizing Lightning Communities**
- **Community templates and branding**
- **User engagement and gamification**
- **Moderation and user management**

App Builder:

Introduction to Salesforce and the App Builder Role

- **Introduction to Salesforce and the Salesforce ecosystem**
- **Understanding the role of a Salesforce App Builder**
- **Setting up a developer account and environment**
- **Navigating the Salesforce interface**

Data Modeling and Management

- **Data architecture in Salesforce**
- **Custom objects and fields**
- **Relationships between objects**
- **Data import and export**

Building Custom Applications

- **Creating custom apps**
- **Customizing app layouts and themes**
- **Page layouts and record types**
- **Custom tabs and branding**

Building and Customizing Objects

- **Building custom objects**

- **Field types and custom field creation**

- **Page layouts, compact layouts, and custom links**

- **Object-specific actions**

Automation with Workflow and Process Builder

- **Introduction to workflow rules**

- **Creating workflow rules and actions**

- **Using the Process Builder for more complex automation**

- **Testing and deploying automation processes**

Data Validation and Integrity

- **Validation rules for data quality**

- **Setting up required fields**

- **Using duplicate rules and data cleansing techniques**

- **Handling exceptions and data integrity issues**

Security and Sharing

- **User roles and profiles**

- **Record-level security and sharing rules**

- **Permission sets and field-level security**

- **Sharing records with communities**

Reporting and Dashboards

- **Building custom reports**

- **Creating and customizing report types**

- **Dashboards and dynamic dashboards**

- **Scheduling and sharing reports and dashboards**

App Customization with Lightning Components

- **Introduction to Lightning components**
- **Building custom Lightning components**
- **Adding Lightning components to pages**
- **Using Lightning App Builder for advanced customizations**

Integration and Data Management

- **Data import/export techniques**
- **External data integration via Salesforce Connect**
- **Data cleansing and deduplication strategies**
- **Data backup and recovery**

Mobile App Development

- **Creating mobile applications with Salesforce**
- **Mobile navigation and user experience design**
- **Mobile security considerations**
- **Testing and deploying mobile apps**