

## **Lotus Notes**

# **D8510 Fundamentals of IBM Lotus Domino 8 Application Development**

**Length:** 4 days

**Course Description:** The course provides the information that developers need to know to successfully create and modify database applications in IBM® Lotus® Domino Designer® 8. It provides an overview of the IBM® Lotus® Domino® 8 and Lotus Domino Designer 8 environments, introduces the elements and skills that are used in creating single-database Lotus Domino applications, describes how the formula language can be used to enhance the functionality of a Lotus Domino application, and explains how Lotus Domino applications can be secured.

**Prerequisites:** The prerequisites for this course include experience using the IBM® Lotus Notes® client, Web browser or both to access applications. Experience in developing one or more applications using other application development tools is recommended.

**Delivery Method:** Instructor led, group-paced, classroom-delivery learning model with structured hands-on activities.

### **Performance-Based Objectives**

Upon successful completion of this course, students will be able to:

- Receive an overview of application types, data sources, and how they are deployed in the IBM Lotus Domino architecture.
- Explore the IBM Lotus Domino Designer user interface and accessed design elements.
- Create an original application structure, an application structure copied from a previously designed application, and an application structure based on a template.
- Create pages and populate them with text, images, and tables.
- Create forms and insert form elements in them.
- Create formatted views.
- Create formulas and learn about programming languages that can be used in conjunction with Domino.
- Use formulas in conjunction with forms.
- Select and manipulate data for use and display in views.
- Work with layers, subforms, instant messaging, and autosave features.
- Work with hierarchical views, response data, shared columns, and instant messaging features related to views.
- Work with actions to automate tasks.
- Work with agents to automate tasks.
- Receive an overview on application security.

## **Course Content**

### **Lesson 1: Exploring Applications in IBM® Lotus® Domino® 8**

- Topic 1A: Identify Application Types and Data Sources
- Topic 1B: Examine the IBM® Lotus® Domino® Architecture
- Topic 1C: Examine IBM® Lotus® Domino® Application Components
- Topic 1D: Investigate Replication and Application Design Considerations
- Topic 1E: Extend IBM® Lotus® Domino® Collaboration Capabilities

### **Lesson 2: Exploring the IBM® Lotus® Domino® 8 Design Environment**

- Topic 2A: Explore the IBM® Lotus® Domino® Designer User Interface
- Topic 2B: Access Design Elements

### **Lesson 3: Creating Applications**

- Topic 3A: Create a New, Blank Application in IBM® Lotus® Domino Designer®
- Topic 3B: Create a Copy of an Existing Application
- Topic 3C: Create an Application from a Template
- Topic 3D: Organize the IBM® Lotus® Domino Designer® Environment

### **Lesson 4: Creating Pages**

- Topic 4A: Explore Page Content, Layout, and Navigation Basics
- Topic 4B: Create Pages
- Topic 4C: Add Text to Pages
- Topic 4D: Use Tables to Lay Out Pages
- Topic 4E: Add Images to Pages

### **Lesson 5: Creating Forms**

- Topic 5A: Create Forms
- Topic 5B: Add Fields to Forms
- Topic 5C: Hide Form Elements

### **Lesson 6: Creating Views**

- Topic 6A: Create Views
- Topic 6B: Add View Columns
- Topic 6C: Organize Documents
- Topic 6D: Format Views

### **Lesson 7: Introducing Formulas**

- Topic 7A: Identify Programming Languages Supported by IBM® Lotus® Domino®
- Topic 7B: Identify Formula Components
- Topic 7C: Identify Event Triggers
- Topic 7D: Compute and Compare Values
- Topic 7E: Work with @Functions
- Topic 7F: Explore Formatting and Comments

### **Lesson 8: Using Formulas in Forms**

- Topic 8A: Create Window Titles
- Topic 8B: Work with Computed Values
- Topic 8C: Work with Field Values
- Topic 8D: Work with Lists
- Topic 8E: Prompt Users
- Topic 8F: Create Reusable Code
- Topic 8G: Implement Error Checking

### **Lesson 9: Using Formulas in Views**

- Topic 9A: Create Selection Formulas

Topic 9B: Concatenate Values in a View Column  
Topic 9C: Display Icons In a View

### **Lesson 10: Enhancing Forms**

Topic 10A: Work with Layers  
Topic 10B: Work with Subforms  
Topic 10C: Create Shared Fields  
Topic 10D: Enable Inheritance in Forms and Documents  
Topic 10E: Create Related Forms  
Topic 10F: Enable AutoSave  
Topic 10G: Implement IBM® Lotus® Sametime® Instant Messaging in Forms

### **Lesson 11: Enhancing Views**

Topic 11A: Define Hierarchical Views  
Topic 11B: Display Response Data in Views  
Topic 11C: Implement Shared Columns  
Topic 11D: Enable IBM® Lotus® Sametime® Instant Messaging in Views  
Topic 11E: Create Views for the Web

### **Lesson 12: Working with Actions**

Topic 12A: Create Actions  
Topic 12B: Create Shared Actions  
Topic 12C: Control the Display of Actions  
Topic 12D: Create Action Hotspots

### **Lesson 13: Working with Agents**

Topic 13A: Investigate Agents  
Topic 13B: Create Agents

### **Lesson 14: Securing Applications**

Topic 14A: Explore Application Access  
Topic 14B: Implement Roles  
Topic 14C: Use Readers and Authors Fields  
Topic 14D: Control Access for Anonymous Users

### **Lesson 15: Deploying Applications**

Topic 15A: Deploy Applications

### **Appendix A: Solutions to Practice Activities**

### **Appendix B: The Worldwide Corporation Infrastructure Plan**

### **Appendix C: Extend IBM® Lotus® Domino® Software**

### **Appendix D: Certification and Exam Competencies**

### **Appendix E: Instructor Preparation**