

LiveCycle ES : Developing Forms

Description

This course introduces and teaches, in detail, techniques for developing forms for data capture and data display using Adobe LiveCycle Designer ES. Through significant amounts of thoroughly guided hands-on practice, by the end of the course you will know how to create static as well dynamic, interactive, data-bound forms including input validation, localized fields, accessibility information, and custom scripted interactions.

Course length

Two days

Audience

Form Designers: people who design dynamic forms in partnership with software developers.
Form Developers seeking fundamental skills : people who regularly develop interactive forms and interfaces bound to server processes, but are new to Adobe LiveCycle Designer ES

To gain most from this course, you should:

- Understanding of form-based business processes
- Have a basic familiarity with XML formatted data
- Have an interest in learning software scripting fundamentals

Course Outline

Unit 1 : Introducing the Course

- Introducing Mastery Learning
- Understanding the course format
- Reviewing the course prerequisites
- Reviewing the course outline

Unit 2 : Introducing Form Layout

- Understanding forms in Adobe LiveCycle ES
- Walkthrough 1 : Exploring forms
- Designing interactive forms
- Walkthrough 2 : Adding and testing interactive form objects
- Previewing interactive forms
- Walkthrough 3 : Previewing interactive forms
- Controlling tab order, presence, and accessibility
- Walkthrough 3 : Controlling tab order, presence, and accessibility
- Creating and using tables
- Walkthrough 4 : Creating and configuring a table

- Organizing forms using subforms and object naming
- Walkthrough 5 : Creating subforms and naming form objects

Unit 3 : Controlling User Input and Data Display

- Formatting and validating user input
- Walkthrough 1 : Controlling input and display with field settings
- Setting and using locale information
- Walkthrough 2 : Setting and using locale information
- Applying display and edit patterns
- Walkthrough 3 : Working with display and edit patterns
- Applying validation patterns
- Walkthrough 4 : Working with field validation patterns

Unit 4 : Script Form Interactions

- Adding business logic with scripts
- Walkthrough 1 : Handling events with a MessageBox
- Creating conditional form interactions
- Walkthrough 2 : Creating conditional form interactions
- Validating user input using scripts
- Walkthrough 3 : Validating input with scripts and functions
- Sharing data and controlling focus
- Walkthrough 4 : Sharing data between events and controlling field focus
- Creating scripts for calculations

Unit 5 : Working with Flowed Layout

- Understanding subforms in dynamic forms
- Walkthrough 1 : Understanding flowed versus positioned subform content
- Using expanding tables in dynamic forms
- Walkthrough 2 : Dynamically adding and removing table rows
- Flowing tables over multiple pages
- Walkthrough 3 : Enabling multi-page dynamic tabular data display

Unit 6 : Creating Shared and Reusable Form Content

- Creating and using custom objects
- Walkthrough 1 : Creating and using a custom object
- Creating and using form fragments
- Walkthrough 2 : Creating and using a form fragment and fragment library
- Creating and using script fragments
- Walkthrough 3 : Creating and using a script fragment
- Creating and using conditional subform fragments
- Walkthrough 4 : Creating and using a conditional fragment
- Using master pages and global field bindings

- Walkthrough 5 : Creating a multi-page form with shared data and varying page orientation
- Creating and organizing form templates
- Walkthrough 6 : Creating and organizing form templates

Unit 7 : Importing Existing Forms

- Re-using existing PDF forms in Designer
- Walkthrough 1 : Re-using existing PDF form content in Adobe LC Designer
- Re-using Microsoft Word forms in Designer
- Walkthrough 2 : Re-using existing Microsoft Word form content in Adobe LC Designer

Unit 8 : Defining XML Relationships in Designer

- Designing forms using data connections
- Using XML schema to create a form
- Walkthrough 1 : Creating a form from an XML schema
- Working with data binding in a form
- Walkthrough 2 : Using implicit XML data binding with a form
- Using explicit data binding in a form
- Walkthrough 3 : Using explicit XML data binding within a form
- Binding tables to repeating data
- Walkthrough 4 : Binding tables to repeating data
- Binding subforms to repeating data
- Walkthrough 5 : Binding subforms to repeating data
- Using SOAP based web services
- Walkthrough 6 : Using a SOAP web service within a form

Unit 9 : Using Barcode Data in Forms

- Using paper forms barcode objects
- Walkthrough 1 : Encoding form data within a barcode
- Managing barcode data capacity
- Walkthrough 2 : Understanding barcode data capacity

Unit 10 : Using Digital Signatures

- Using digital signatures to verify a form
- Walkthrough 1 : Using a digital signature to secure form data
- Using document signatures to verify a field collection
- Walkthrough 2 : Using a digital signature to verify a field collection

Unit 11 : Using Advanced Scripting Techniques

- Understanding script use in forms
- Introducing script objects
- Walkthrough 1 : Control field appearance with custom function library
- Implementing custom multi-field validation
- Walkthrough 2 : Controlling form submission based on custom multi-field validation
- Creating a data drill-down effect
- Walkthrough 3 : Implementing data drill-down using embedded data
- Implementing version dependent form behavior
- Walkthrough 4 : Implementing version specific behavior to form objects by type