



# AEM Forms & Databases

**Description:** Integrate your AEM forms with web services and databases including Microsoft SQL Server and Oracle. This course shows you the secrets of integrating Adobe's new AEM adaptive/responsive forms with your company's databases and other enterprise systems. In addition to learning concepts and theory about AEM Forms, you will complete hands-on exercises and develop a complete working AEM application. You will learn how to prefill forms with data, use data within an adaptive form, and process a form submission with an AEM Forms application. Your application will also handle form attachments and store them in Adobe CRX.

**Target audience:** Designers, Developers, and IT personnel who need to integrate AEM forms with databases. No previous experience with these technologies is required.

## Objectives

After completing this course, the participant will be able to:

- Configure AEM Forms with Microsoft SQL Server
- Understand AEM adaptive and responsive forms
- Understand XML Schema, XML Data, and data binding
- Understand JDBC (Java Database Connectivity)
- Understand and use the Adobe JDBC services
- Create an AEM adaptive form template
- Create an AEM adaptive form
- Add Javascript with the Visual and Code Editor
- Configure an AEM adaptive form
- Write SQL Statements to retrieve data and prefill a form
- Call Stored Procedures to process form submissions
- Prefill a form with data from a web service
- Write Web Services to process form submissions
- Extract data and attachments
- Process multiple form attachments
- Store form attachments in a JCR (Adobe CRX) and a File System
- Add data formatting to your form
- Add data validation to your form and process

## Course materials

- *AEM Forms & Databases Student Manual (100 pages)*

## Agenda: Day 1

- 🕒 Morning Session (9 a.m.–Noon)
  - Reviewing the Database
  - XML Schema & Data
  - Data Binding
  - JDBC
  - Server Configuration

🕒 Lunch (Noon–1 p.m.)

- 🕒 Afternoon Session (1–5 p.m.)
  - AEM Forms Configuration
  - Creating your application
  - Adding the JDBC Services

## Agenda: Day 2

- 🕒 Morning Session (9 a.m.–Noon)
  - Creating your Web Service
  - Creating your AEM template
  - Creating your AEM form
  - Form Finalization

🕒 Lunch (Noon –1 p.m.)

- 🕒 Afternoon Session (1–5 p.m.)
  - Prefilling your form with data
  - Adding Javascript
  - Integrating your application
  - Testing your application

## Start Learning Today

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