



# AEM Forms & Databases

**Description:** Integrate your AEM forms with databases such as Microsoft SQL Server, MySQL, and Oracle. This course shows you the secrets of integrating 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 multilingual AEM Forms application. This course shows you how to prefill forms with data, use data within a adaptive and responsive forms, and process AEM form submissions with and without attachments.

**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 a Database (MS SQL Server, MySQL and Oracle)
- 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
- Configure an AEM adaptive form
- Write SQL Statements to retrieve data and prefill a form
- Call Stored Procedures to process form submissions
- Update form fields when a drop-down value changes
- Write Web Services to process form submissions
- Call Web Services to prefill AEM forms with data
- Create multilingual forms
- 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 and process
- Add data validation to your form and process

## Course materials

- *AEM Forms & Databases Student Manual (110 pages)*

## Agenda: Day 1

- 🕒 Morning Session (9 a.m.–Noon)
  - Reviewing the Database
  - XML Schema & Data
  - JDBC
  - Server Configuration
  - Creating AEM Form Templates
- 🕒 Lunch (Noon–1 p.m.)
- 🕒 Afternoon Session (1–5 p.m.)
  - Developing your AEM Form
  - Configuring your AEM Form
  - Developing Processes
  - Developing Multilingual Forms

## Agenda: Day 2

- 🕒 Morning Session (9 a.m.–Noon)
  - Prefilling adaptive forms
  - Processing submissions
  - Using Web Services
  - Form Finalization
- 🕒 Lunch (Noon –1 p.m.)
- 🕒 Afternoon Session (1–5 p.m.)
  - Processing attachments
  - Storing attachments
  - Update form data from drop-down
  - Integrating your application
  - Testing your application