

Java Web Application Development

Learn how to develop web applications using Java and its associated frameworks.

Category: Programming · Duration: 4 days

WHO IT IS FOR

- Java developers
- Developers and DBAs who work with data every day
- Teams that want hands-on practice on real scenarios

In this course, participants will gain a comprehensive understanding of Java web application development. They will learn how to build dynamic and interactive web applications using Java technologies such as Servlets, JSP, and JavaBeans. The course will also cover popular Java frameworks like Spring and Hibernate for efficient development and data persistence. By the end of the training, participants will have the skills to create robust and scalable web applications.

Prerequisites

Basic knowledge of Java programming language and web technologies.

Syllabus

- Introduction to Java web application development
- Setting up a development environment
- Java Servlets and JSP basics
- Understanding MVC architecture
- Building forms and handling user input
- Validating user input
- Working with databases in Java
- Introduction to Hibernate framework
- Developing RESTful web services
- Introduction to Spring framework
- Implementing security in Java web applications
- Testing and debugging Java web applications
- Deploying Java web applications
- Introduction to Agile software development

- Version control systems and Continuous Integration
- Web application performance optimization
- Handling file uploads and downloads
- Error handling and logging
- Building responsive web interfaces