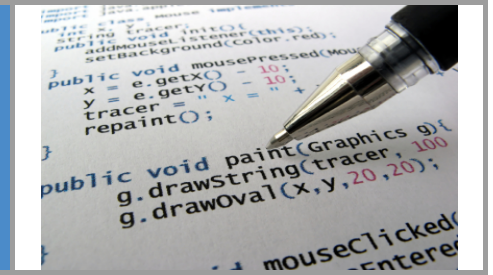




JAVA SERVER PAGES COURSE



The **Java Server Pages Course** teaches students the fundamentals of JSP, including using JSP to interact with JavaBeans, the creation of JSP custom tags and tag libraries, and the use of JSP with databases. This course will also teach the basics of using JSP files to interact with Java servlets.

JavaServer Pages is a course focused on the JavaServer Pages (JSP) server-side development environment. JSP is a Java-based technology used to create dynamic, data-driven Web applications.

Students must have completed the Java Programming Fundamentals course or be able to demonstrate equivalent Java programming knowledge before taking this course. This course is suitable for students wanting to follow a career as a Web Developer, Java Programmer, Solution Developer or Enterprise Developers.

The JavaServer Pages Course Book is official Certified Internet Webmaster (CIW) Course Materials and was an individual section of the CIW Web Developer curriculum.

The course is split into the following Units:

- **Unit 1: Introduction to JavaServer Pages**

The following topics are covered by this unit: Introduction to JavaServer Pages (JSP); What is Enterprise JavaBeans (EJB)?; What are Java Servlets?; What is JSP?; Web Application Technologies; Advantages of JSP; The Mechanics of JSP; and Basic JSP Syntax.

- **Unit 2: JSP Fundamentals**

The following topics are covered by this unit: Fundamentals of JSP; Evaluating Java Expressions; Using JSP Scriptlets; Using JSP Declarations; and Using JSP Predefined Variables.

- **Unit 3: JSP Directives**

The following topics are covered by this unit: Introduction to JSP Directives; Including Files in JSP; and Using the jsp:plugin Element.

- **Unit 4: JSP and JavaBeans**

The following topics are covered by this unit: Introduction to JSP and JavaBeans; Component-Centric Architecture; JavaBeans; JavaBean Property Data Types; JSP-JavaBean Tags; The <jsp:getProperty> Tag; The <jsp:setProperty> Tag; Rules for Constructing JavaBeans; The JavaBean Serializable Interface; and Accessing JavaBeans Through Scriptlets and Expressions.

Price:
£125.00

Instalment Options:
You can spread the payments for this course over 4 monthly payments. 1 initial payment of £50.00, followed by 3 monthly payments of £25.00.

Course Format:
Course Book & CD ROM

Assessment:
No Assessment

Approximate Study Time:
80 Hours of Self Study

- **Unit 5: JSP Custom Tags and Tag Libraries**

The following topics are covered by this unit: Introduction to JSP Tag Libraries; Why Use Tag Libraries?; Using Custom Tags; Creating JSP Custom Tag Libraries; The taglib Directive; Using Custom Tags in JSP Files; Tag Handlers; Tag Library Descriptor; and Deploying Tag Libraries.

- **Unit 6: JSP and Java Servlets**

The following topics are covered by this unit: Interaction Between JSP and Java Servlets; Servlets; Servlets vs. JSP; Web Application Architecture; JSP vs. Servlet Architecture; and Controlling the flow with RequestDispatcher.

- **Unit 7: JSP, HTML Forms and Databases**

The following topics are covered by this unit: Introduction to JSP; HTML Forms and Databases; Distributed Multi-tiered Applications; Steps in a Typical Web Communication; HTML Forms; Request Object; Relational Databases; Structured Query Language (SQL); and Java Database Connectivity (JDBC).

Pre-Requirements:

Students must have completed the Java Programming Fundamentals course or be able to demonstrate equivalent Java programming knowledge before taking this course.

Course Duration & Support:

Students may register at any time. The courses are designed as self-study courses but if you have any problems you can email our email support. As the course is self study you can complete in as little or as long a time as you prefer, and we do not impose a cut-off date for study.

Assessment:

The course has non-assessed assignments to complete.

Qualification:

The course is not accredited. The contents of the course were originally part of the CIW Web Developer Curriculum, but are still available as a stand alone course.