



JAVA Open Source Programming

فلاصه :

This course offers an extensive hands-on training of developing web based java applications using best of open source tools. Upon completion of this course, you will be able to create scalable web applications using a collection of proven open source technologies.

مدت دوره: ۴۰ ساعت

پیش نیاز: گذراندن درس Java Fundamentals

اهداف دوره: در انتهای این دوره دانشجویان قادر خواهند بود:

- Test your business and data access layer using JUnit, DBUnit and EasyMock.
- Automate your project build process using Apache ant.
- Use time saving tools like Jakarta commons and Log4j effectively.
- Design more flexible object models using Spring DI capabilities.
- Develop a powerful data access layer using Hibernate.
- Add full text search capability (like Google search) to your application.
- Build your web layer Spring MVC and Struts 2 frameworks.
- Make using your web application a pleasant experience by adding Ajax capabilities (DWR, GWT...)

سرفصل دوره:

- Unit Testing with JUnit & DBUnit
- Testing Object Interactions with Mocks
- Making CRISP builds with Apache Ant
- Handy toolbox: Jakarta Commons
- Inversion of Control (IoC) with Spring
- Storing objects with Hibernate
- Search it! Introduction to Lucene
- Logging with Log4j
- Spring MVC
- Struts 2: Struts 1 + WebWork
- Adding Ajax to your toolbox: DWR
- GWT: Google Web Toolkit
- Appfuse