Architect Enterprise Applications with Java EE Ed 2

Bu Java EE ile Kurumsal Mimar Uygulamaları eğitimi, Java Platformu'nun Kurumsal Sürüm (Java EE) teknolojisini kullanarak kurumsal Java uygulamaları için mimarileri nasıl geliştireceğinizi öğretmektedir. Java EE ve ilgili teknolojileri anlayın.

Hedefler

- Kurumsal Mimar'ın rollerini, sorumluluklarını ve çıktılarını tanımlama.
- Fonksiyonel olmayan gereksinimleri (NFR'ler) belirleme ve sık karşılaşılan sorunları ve çözümlerini açıklama.
- İş gereksinimlerini bir mimariye dönüştürme.
- İstemci, web, iş, entegrasyon ve veri katmanlarının mimarisini hazırlarken yapılacak seçimlerin ağırlıklarını belirleme.
- Mimari unsurların ve düzenlerin, araçların, sunucuların ve çalışma çerçevelerinin seçiminde çeşitli değerlendirme kriterlerini uygulama.

Topics

- Introducing Enterprise Architecture
    - What is Enterprise Architecture?
    - An Architect's Roles and Responsibilities

- Introducing Fundamental Architectural Concepts
    - Distinguish between architecture and design
    - Architectural Patterns
    - Architectural Deliverable Artifacts
    - What is an Enterprise Architecture Framework
    - 4 + 1 View Model
    - Architectural Modeling Using UML
    - Architecture Workflow
    - What is an Enterprise Architecture Framework
- Developing a Security Architecture
    - Analyzing the Impact of Security in Distributed Computing
    - Examining Security in the Java EE Technology
    - Understanding Web Services Security
- Understanding Non-Functional Requirements
    - Examining Non-Functional Requirements (NFRs)
    - Common Practices for Improving Qualities
    - Prioritizing Quality-of-Service (QoS) Requirements

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- Inspecting QoS Requirements for Trade-offs
- Defining Common Problems and Solutions: Risk Factors and System Flexibility
  - Identifying Risk Factors
  - Designing a Flexible Object Model
- Defining Common Problems and Solutions: Network, Transaction and Capacity Planning
  - Describing Network Communication Guidelines
  - Justifying the Use of Transactions
  - Planning System Capacity
- Java EE 7 Overview
  - Describe the new features in Java EE 7
  - Describe the impact of Java EE 7 features on J2EE, Java EE 5 and 6 architectures
- Developing an Architecture for the Client Tier
  - Client Tier Development Roles
  - Information Architecture Client Concerns
  - Selecting User Interface Devices and Technologies
  - Discovering Reusability in the Client Tier
  - Deployment Strategies for the User Interface
  - Security Concerns in the Client Tier
  - Testing
- Developing an Architecture for the Web Tier
  - Responsibilities of the Web Tier
  - Seperation of Concerns
  - Comparing Web Tier Frameworks
  - Providing Security in the Web Tier
  - Scaling the Web Tier
- Developing an Architecture for the Business Tier
  - Business Tier Technologies
  - Architecting the Domain Model
  - Development Best Practices
- Developing an Architecture for the Integration and Resource Tiers
  - Examining Enterprise Information System Integration
  - Reviewing Java Integration Technologies
  - Applying Integration Patterns
  - Examining Service-Oriented Architecture (SOA)
- Evaluating the Software Architecture
  - Evaluating Software Architectures
  - Evaluating Java EE Technologies
  - Creating System Prototypes
  - Selecting Servers and Frameworks