

Instructor Notes:

JPA With Hibernate 3.0

Lesson 00

Instructor Notes:

Add instructor notes here.

Course Goals and Non Goals



Course Goals

- Understanding Object Relation Mapping
- Learning JPA API
- Associations and Mapping
- JPQL

Course Non Goals

- JPA integration with existing frameworks like spring or struts

Instructor Notes:

Add instructor notes here.

Pre-requisites



Object Oriented Programming - Java
RDBMS/SQL
XML
Annotations

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Intended Audience

Java Developers
Web Application Developers/Programmers



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Day Wise Schedule



Day 1 [Online]

- Lesson 1: Introduction to ORM and its need
- Lesson 2: The Persistence Life Cycle
- Lesson 3: Java persistence API (JPA)

Day 2

- Lesson 4: Transactions in JPA
- Lesson 5: JPA queries (JPQL)
- Lesson 6: Association and Mapping

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Lesson 1: Introduction to ORM and its need

- Persistence and its need
- Object/Relation Mapping
- Object-relational Impedance Mismatch
- ORM and its need
- JPA and its benefits

Lesson 2: The Persistence Life Cycle

- Introduction
- Life Cycle

Lesson 3: Java Persistence API

- Java Persistence API
- Working with JPA

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Lesson 4 : Transactions in JPA

- What is Transaction
- Types of Transactions
- Working with Transactions

Lesson 5: JPA Queries

- JPQL
- Working with JPA Queries

Lesson 6: Association and Mapping

- Associations
- Inheritance

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References



Reference URLs:

- <http://docs.oracle.com/javaee/7/api/javax/persistence>
- <http://www.objectdb.com/java/jpa/>



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Next Step Courses (if applicable)



Integration of JPA with existing frameworks like Spring or Struts

