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# Course Goals and Non Goals



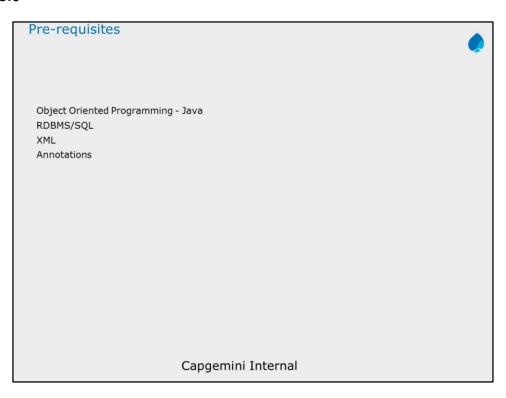
### Course Goals

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

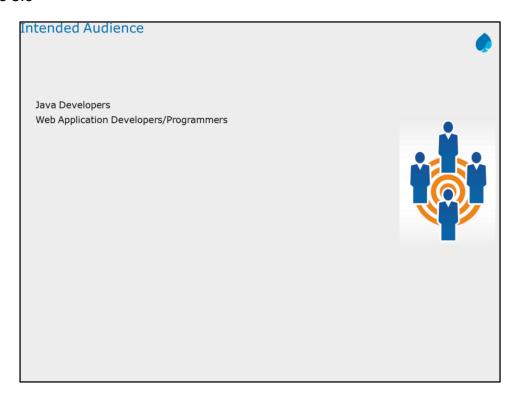
### Course Non Goals

JPA integration with existing frameworks like spring or struts

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# Day Wise Schedule



### Day 1

- 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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### Table of Contents



Lesson 1: Introduction to ORM and its need

- 1.1. Persistence and its need
- 1.2. Object/Relation Mapping
- 1.3. Object-relational Impedance Mismatch
- 1.4. ORM and its need
- 1.5. JPA and its benefits

Lesson 2: The Persistence Life Cycle

- 2.1.Introduction
- 2.2.Life Cycle

Lesson 3: Java Persistence API

- 3.1. Java Persistence API
- 3.2. Working with JPA

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# Lesson 4: Transactions in JPA • 4.1. What is Transaction • 4.2. Types of Transactions • 4.3. Working with Transactions Lesson 5: JPA Queries • 5.1. JPQL • 5.2. Working with JPA Queries Lesson 6: Association and Mapping • 6.1. Associations • 6.2. Inheritance

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# Reference URLs: http://docs.oracle.com/javaee/7/api/javax/persistence http://www.objectdb.com/java/jpa/

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