

Hibernate



Session Plan

- ✓ Developing with Java EE
- ✓ Hibernate
- ✓ Retrieving data
- ✓ Tuning Hibernate



Day 1

Introduction to Hibernate



Developing with Java EE

- Review of Java EE (a.k.a. J2EE)
- Review of Java Web Application development with JDBC and Servlets/JSPs/EL
- Overview of Data Access Object (DAO) design pattern
- The pain of developing with JDBC and Servlets



- Advantages of Hibernate compared to JDBC.
- Introduction
- ORM (Object Relational Mapping)
- Hibernate Architecture
- Hibernate Resources
- Object Life Cycle in Hibernate



Day 2

Problems in Hibernate



Hibernate & Retrieving data

- CRUD operations using Session methods using XML and Annotations
- Problem of Granularity using Annotations
- Problem of Inheritance using Annotations
- Problem of Relationship using Annotations
- Hibernate Query Language (HQL)
- Named Queries



Day 3

Retrieving data, Tuning Hibernate



Retrieving data & Tuning Hibernate

- Criteria API
- Query by example
- Logging
- Lazy loading
- Fetching strategies
- Caching
- Level of Caching



THANK YOU

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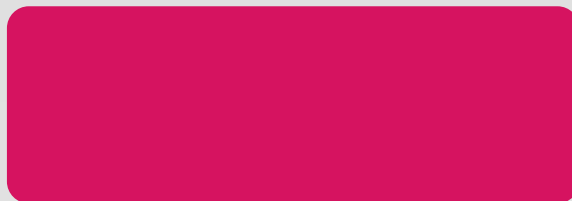
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