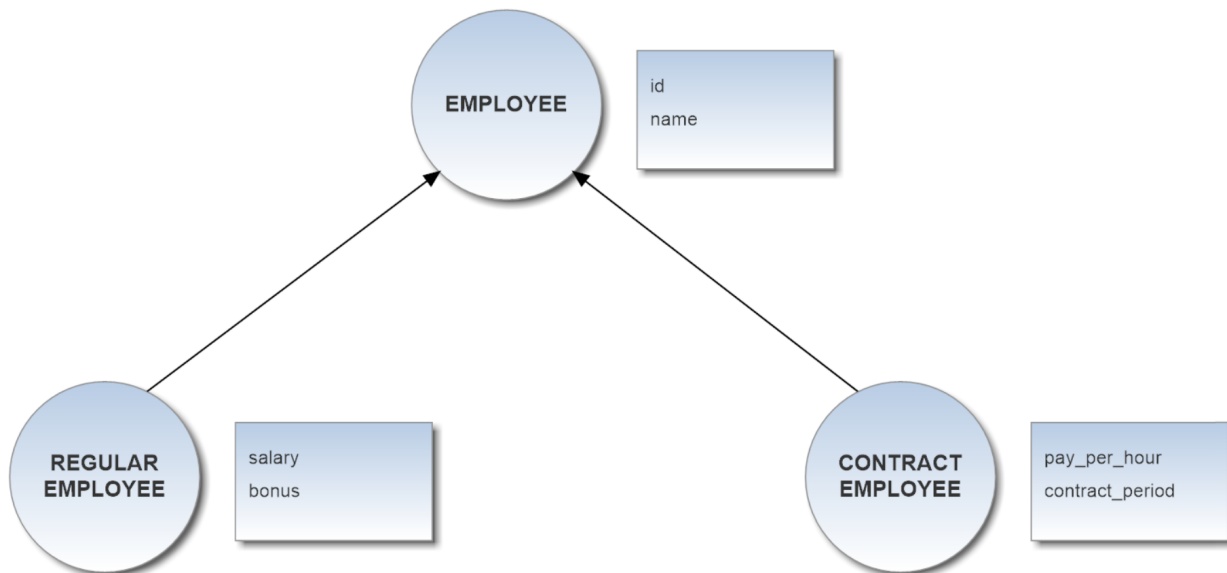




# Complete Guide: Inheritance strategies with JPA and Hibernate

[www.eMexotechnologies.com](http://www.eMexotechnologies.com)



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## Overview

Let eMexo Technologies **Best Hibernate training in Bangalore** take you from the fundamentals of Hibernate and make you an expert in developing real time Hibernate applications. Here are the major topics we cover under this Hibernate course Syllabus Introduction to Hibernate, Getting started with Hibernate quickly, Querying, The Persistence Lifecycle, Optimistic Locking / Versioning, Relationships, Inheritance Mapping, Additional Querying Capabilities, The Criteria API, Hibernate and Java Persistence / EJB 3, Advanced Topics. Every topic will be covered in mostly practical way with examples.

All the topics will be covered with Practical and hands on training. Our trainers have industry experience with live project experience in cutting edge technologies which they teach. We hire only Best Hibernate industry specialists as trainer for our Hibernate trainings.

Come over to our training institute for a free demo class. Let our trainer give you a demo on Hibernate and only then you take the decision to enroll into the training program.

## Training Features

### Expert Instructors

30 hours of Instructor led Classes. Weekend class: 10 sessions of 3 hours each and Weekday class: 15 sessions of 2 hours each.

### Real life Case Studies

Do a real life case study to understand the usage on real world scenarios.

### Assignments

Each class will be followed by practical assignments which can be completed before the next class.

### Demo Class

Register today for a demo class to experience our teaching methodologies first hand and it's completely free

### Unit 1 : Introduction to ORM and Hibernate

- [Introduction to Java Persistence](#)
- [SQL in Persistence](#)
- [About Object Relational Mapping](#)
- [Purpose of ORM](#)
- [Entity Beans](#)

- [About Hibernate](#)
- [ORM with Hibernate](#)

## **Unit 2 : Persistence and Session Factory**

- [Hibernate Tools](#)
- [Hibernate Environment](#)
- [Persistence Lifecycle](#)
- [Hibernate Configurations](#)
- [JPA](#)
- [Annotations and XML Configurations](#)
- [Creating and Configuring Hibernate Session Factory](#)
- [Advance Configurations](#)

## **Unit 3 : Association, Mapping & Inheritance**

- [Associations](#)
- [Unidirectional Associations](#)
- [Bidirectional Associations](#)
- [Inheritance Strategies](#)
- [Polymorphism](#)
- [Entities and Types](#)
- [Basic Types](#)
- [Custom Types](#)

## **Unit 4 : Criteria and Query Language**

- [Hibernate Query Language – HQL](#)
- [Polymorphic and Sub-queries](#)

- [HQL functions and Aggregations](#)
- [Criteria with Hibernate](#)
- [Fetching Strategies of Criteria](#)
- [Detached Criteria](#)
- [Executing Native SQL](#)
- [SQL Named Queries](#)

## **Unit 5 :** Transactions, Filter and Performance

- [Session Scopes](#)
- [Transaction Scopes](#)
- [JTA](#)
- [Locking](#)
- [Filtering with Hibernate](#)
- [Filter Annotations](#)
- [Fetching Strategies](#)
- [Cache](#)

## **Unit 6 :** Search & Validation Framework

- [Hibernate Search](#)
- [Lucence](#)
- [Indexing fields](#)
- [Search and Lucence API](#)
- [Validation of Beans](#)
- [Configuration, Metadata API](#)
- [Validating Constraints and Groups](#)

## Unit 7 : OGM, NoSQL and Spring

- Understanding NoSQL
- Hibernate OGM
- NoSQL Data Persistence
- Spring with Hibernate
- Hibernate Template
- Transaction Management with Spring
- Transaction Advice
- Exception Handling

## Unit 8 : Project

- Problem statement
- Build JPA entities
- Define DAO layers
- Interaction with Web Layer
- Executing CRUD in application

## FAQs

### 1. How is the training organised? How much percentage is theoretical and how much is practical hands on?

We at eMexo believe nothing beats a hands-on practice when it comes to learning a concept. Our teaching methodology is 100% practical hands-on oriented. You learn a concept, you practice it then and there with the trainer. We also give you assignments for each topic which you can practice at home and any doubts regarding the topic can be cleared with the trainer next day.

### 2. What is the course duration ? How and when do you plan to complete the course ?

We generally cover our courses in 30 hours, however, we are aware that we can't put a hard-stop to learning with a number. Our trainer will make sure that you have learned everything that is part of the curriculum. This could mean 28 hours or 35 hours, doesn't matter.

### **3. What is the material provided in the training ?**

We have industry standard course material which is used by our trainers to train you. At the end of the training apart from the notes which you have taken during the course, we will also provide you with the training material which was used. This training material includes the training content, interview questions etc.

### **4. Do you help in preparing for the interview ?**

Our trainers are working professionals who work in MNC's. They are the expert in their domain and they know exactly what an interviewer looks into a candidate. Our expert trainers apart from sharing the interview questions they will also conduct mock interviews to help you prepare for the real interview.

### **5. Who are your trainers ?**

Our trainers are industry experts who work in their respective technologies day in day out. They work in MNC's and are technology experts within their organisation.

### **6. What is the total batch size per course?**

We maintain a strict batch size of maximum 5 students. We also provide exclusive one to one training as well. Talk to our training partner to get more details.

### **7. Do you provide certification for the course?**

Yes, at the end of training we provide a certification of completion.

### **8. Will I be joining a new batch or be merged with another batch ?**

You will be added to a new batch.

### **9. Is fast track training available?**

Yes, we provide fast-track training as well for those who want to complete the course faster. The curriculum and the total hours required to complete the course will remain same. However, the trainer will be spending more hours with you to complete the course.

### **10. Do you assist in job placement ?**

Our trainers are expert professionals in their organisations and they often act as the interviewer to hire new candidates. Our trainers will help you prepare your resume with industry standards. After all, they know exactly what to look in a resume.

### **11. Timings for trainings - Regular training/weekend training**

We provide both regular and weekend training. Talk to our training partner to learn more about the timings.

### **12. Will you be working on a live project during training ?**

Yes, apart from doing the hands-on practice our trainer will also be taking a real-world project and work with you for the implementation.

**13. What happens if I miss a class ?**

If you miss a class the content of that class will be taught to you again. With us you might miss a class but not the content.

**14. Can I attend a demo before the actual class?**

Yes, absolutely! Talk to our training counsellor on phone at 9513216462 or email us at [info@emexotechnologies.com](mailto:info@emexotechnologies.com) to arrange for a free demo. You can also fill in the contact us form below and we will call you to discuss your training requirements.