

## **Course Design Document – Hibernate**

### **1. About the Document:**

This design document specifies all the decisions made about the course up to this time, including:

- Purpose of the course
- Intended outcome of the course
- Audience description
- Delivery method(s)
- What to train
  - High-level outline
  - Detailed lesson outlines
- Objectives of each lesson
- Assessments/exercises for each task

### **2. Purpose of the Design Document:**

The purpose of the design document is to obtain agreement with all stakeholders about the vision and plan for the course. These parties include:

- Internal clients (BU SMEs) and reviewers
- Team members (iLD) working on the course
- External clients, if any

### **3. Sign-off:**

At this point, obtaining a sign-off on the design document is important in ensuring agreement on the plan. Once an agreement is secured from key stakeholders work on developing the course materials can begin.

An approved course design document is required to release a course as an official curriculum

#### **Key stakeholders for Design sign-off**

- Designated Leader from BU (for BU-developed courses)
- Head of iLD

## **Contents of a Design Document**

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**Purpose of the Course:**

Hibernate is a Java framework that simplifies the development of Java applications to interact with the database. Associates will learn the fundamentals and some of the advanced features, how to map Java classes to database tables and Java data types to SQL data types.

### **Audience Description:**

The course is set for all entry-level associates at Intellect. The course is appropriate for associates who begin their career here at Intellect.

### **Course Objectives:**

During this course, the learner will:

- Learn the fundamentals of hibernate
- Understand the advanced concepts in-depth
- Learn how to map Java classes to database tables and Java data types to SQL data types

### **Learning Assessment:**

There are assessments included as part of the final assessment after the training completion

### **Instructional Strategies:**

This is an instructor-led in-person/virtual course with multiple illustrations. The following methods will be employed at various places in the course:

- Cases are taken as illustrations
- Facilitator-led discussion
- Common illustration discussions

### **Media:**

The course will utilize the following media

- Slide Presentation/Images/platforms to run scripts

### **Duration:**

This course is divided into 8 blocks, taking approximately 8 hours in total.

- Pre-Training Activity: There is no pre-training activity
- Post-Training Activity: There is no pre-training activity

### **Course Scope:**

The course contains **8** lessons. The lesson brief is given below:

Lesson	Topic List	Delivery Method	Duration	Practice check Method	Annexure
1	Hibernate: Introduction and Why Hibernate	Trainer-led session	60 minutes	NA	NA
2	Hibernate configuration with XML and Hibernate configuration Annotations	Trainer-led session	60 minutes	NA	NA
3	Hibernate and Inheritance Mapping	Trainer-led session	60 minutes	NA	NA
4	Hibernate Mappings	Trainer-led session	60 minutes	NA	NA
5	One to One	Trainer-led session	60 minutes	NA	NA
6	One to Many	Trainer-led session	60 minutes	NA	NA
7	Many to Many	Trainer-led session	60 minutes	NA	NA
8	HQL	Trainer-led session	60 minutes	NA	NA

**Activities Conducted:**

Activity #	Activity	Objective	Duration	Annexure
NA	NA	NA	NA	NA

**Development Tools**

The course was prepared in PPT and edited with video editing tools.

**Ownership**

The design and development of the course is by iLD Team - Intellect

Course approved by Dr. Vinay Menon – SVP iLD

Course revision from time to time by Ashok T - VP iLD

Approved facilitator:

**Development Time**

30 man-days (for course creation and editing as per guidelines)

**Support Requirements**

The course was developed completely by iLD Team - Intellect

**Course Sign-off**

Approved by:

Date:

Place:

**Annexure**

**Not applicable**