# Department of Computing

**CS 213: Advanced Programming**

**Class: BSCS 5 AB**

# Lab 8: Hibernate Inheritance Mapping

**Date: November 16th, 2017**

**Time: Thursday (10:00-12:50 & 14:00 – 16:50)**

# Instructor: Fahad Ahmed Satti

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# Lab 8: Hibernate Inheritance Mapping

## Introduction

Execute the given example and test the three different Inheritance Strategies used by Hibernate.

## Objectives

After performing this lab students will be able to understand:

* Hibernate Inheritance Mapping

## Tools/Software Requirement

* You can take help from internet but remember **no plagiarism.**

**Description**

Create a new database in MySQL, using the name defined in hibernate.cfg.xml file. Build the given system using Maven. Change the Inheritance types from Table per Hierarchy to Table per Union Sub Class and Table per Joined Sub Class. The main will insert some new elements in your table.

Each student must, individually build the complete application on their own. Students must upload their solutions on LMS to qualify for evaluation.

**Lab Task**

* Execute the given example Hibernate5Example.
* Use the 3 different Inheritance Strategies defined in Hibernate
* Show how the data changes in the DBs, when using different strategies.

## Deliverables

* Each submission is individual with the following composition:
  + Updated Source Code
  + DB dump files
  + Documentation(Introduction and Analysis)
* Convert your submission files into a zip folder and name it as given below, finally upload the zip folder to LMS.
  + Name – Registration No. – Section

## Grade Criteria

The lab will be graded between 1 and 10 based upon your understanding of Hibernate and Hibernate Inheritance Mapping. To qualify for a viva, you must complete all tasks, individually.