

National University of Sciences & Technology
School of Electrical Engineering and Computer Science
Department of Computing

CS 213: Advanced Programming (3+1): BSCS 6AB Fall 2018

Assignment 3: Data driven Application using Hibernate	
CLO: Understand and apply various code management tools and techniques	
Maximum Marks: 50	Instructor: Abid Rauf
Announcement Date: 20th November 2018	Due Date: 24 th November 2018 11:55 pm on LMS

Instructions:

- Upload a zip file containing your code folder.
- The assignment is in a **group of two**, Individual Submission is also accepted.

Tasks:

- 1- Show connectivity of your database (Mysql, derby) with Java Application using hibernate.
- 2- Create database schemas as many as you needed for this project.
- 3- You need to do the following:
 - a. One class to Two tables (Class is **Customer** and Tables (**Customer** and **CustomerDetail**))
 - b. Two classes to One table (Classes are **Customer** and **CustomerDetail** and Table is **CustomerComb**)
- 4- You can use the following attributes in your **Customer** class, **int customerId**, **String customerName**, **String customerAddress**, **int creditScore**, **int rewardPoints**. For part 3a.) **customerId** and **customerName** into **Customer** table and others to **CustomerDetail** table. For part 3b.) **Customer** and **CustomerDetail** Classes wanted to embed the two classes data into one table **CustomerComb**. You can use the annotation **@Embedded**.
- 5- **After completing the 4th step write the HQL queries of Update, Delete, retrieving and Insert queries (You can write as many queries as possible for each operation).**