**Project 1**

**CSIS 304: Databases**

**Spring 2013**

**Due:** Submission – 01/16/12 (4:15 pm).

**Objectives**:

Learn how to design and create a simple MS Access 2010 database.

**Tools:**

MS Access 2010

**Description:**

Study Chapter 1.

Class work:

* Problem 1

Consider the data shown in Figure 1.3 (p. 11), *Ch01 Employee Skill Certification.accdb* database*.* Contrast the design of this database with the one shown in Figure 1.4 (p. 12). Using the related XML files – *Employee.xml*, *Skill.xml*, and *Certified.xml* – create the database for Figure 1.4, create all relationships, and enforce the referential integrity rules. Create and run Query 1 and Query 2 (p. 13).

* Problem 2

Consider the data shown in Figure 1.5 and Figure 1.6 (pp. 14-15), *Ch01 Customers and Agents.accdb* database. Taking into account that one agent may have many customers, but every customer should deal with only one agent, modify the existing tables, create the primary keys, provide for 1:M relationship between AGENT and CUSTOMER tables, and enforce the referential integrity rule.

**Scoring Rubrics**

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| **#** | **Feature** | **Score (%)** |
| **1** | Problem 1 | 50 |
| **2** | Problem 2 | 50 |
|  |  | 100 |