

PRJ311- Practical Exam

Class: SE1404

Duration : 90 minutes

Notice: Student must strictly follow all requirements as describe below for marking. Any modification the requirement is not allowed and will get no mark!

1. Create database name **PRJ311_YourID** on MS SQL Server, have 1 table with at least **2 rows** sample data **(1 mark)**

Table name: **Store_YourID**

Store_ID	Store_Name	Address	Phone

2. Create desktop application: **(5 marks)**

a. Define Java Bean class link to table Store, add 2 following function: **(package name Model)**

- method getAll() return all stores in database.
- method newProduct() will insert a new store into table Store.

b. Develop GUI for application: **(package name GUI)**

- View all stores.
- Make a new store: Input data should be validated before submit:
Phone: digit characters.

3. Develop additional class and component to allow this application offer remote service for searching store by Phone **(package name RMI) (2.5 marks)**

- remote interface
- implementation class
- server app
- client app is a **text mode application.**

4. Develop an Multithreading Application: **(package name Thread) (1.5 marks)**

- Thread M: count up an int variable from 1 to 100 (that's increase 1 every 0.5 second.).
- Thread N: count down an int variable from 200 to 100 (that's decrease 1 every 0.5 second).
- Thread Main: call 2 threads M, N.