Project 2—Java Programming Warm-up project

(**Due by : 10/7/2011/Friday—for 100 points**)

Your name:	Date:

Note: For this project, you must download and use the Java source code in chapter 3 of the textbook. The source code is available on the course website at http://cs.salemstate.edu/~byi/2011Fall/CSC280/resources/sourceCode.zip .

1. Compile and execute Java program as shown in Figure 3.13 (in the folder "processes").
   - Submission: a screenshot of the execution result like the one shown in file "project2_sol_sreenshots_example.pdf"

2. Compile and execute Java program as shown in Figures 3.18 (in the folder "shared-memory"). And then (1) Create a new class *Persion* that has 3 instance variables for first name, last name, salary and a method *ToString*(), and (2) Modify class *Test* in which 3 objects of *Person* will be inserted to the shared buffer and then the information of these objects will be displayed.
   - Submissions: (1) a screenshot of the execution result like the one shown in file "project2_sol_sreenshots_example.pdf", and (2) Code of your classes *Person* and *Test*.

3. Compile and execute Java program as shown in Figures 3.20 and 3.21 (in the folder "message-passing"). And then (1) Create a new class *Student* that has 3 instance variables for first name, last name, classID and a method *ToString*(), and (2) Modify class *Test* in which 1 object of *Student* will be passed on to the mailbox and then the information of that object will be displayed/obtained/displayed from the mailbox.
   - Submissions: (1) a screenshot of the execution result like the one shown in file "project2_sol_sreenshots_example.pdf", and (2) Code of your classes *Student* and *Test*.

4. Compile and execute Java program as shown in Figures 3.26 and 3.27 (in the folder "sockets"). And change the code such that you can execute the client service with command like "java DateClient *yourIPaddress*"---You can get your IP address on your machine with command "ipconfig" on Windows or "ifconfig" on Linux.

- Submissions: (1) a screenshot of the execution result like the one shown in file "project2_sol_sreenshots_example.pdf", and (2) Your IP address.

5. Compile and execute Java program as shown in Figures 3.32 and 3.33 (in the folder "rmi"). --- Read the instruction in file README.txt there first.

- Submissions: (1) a screenshot of the execution result like the one shown in file "project2_sol_sreenshots_example.pdf".

How to submit:

- Submit one electronic file at Moodle by the due date.
- All your work should be included in **ONLY one SINGLE Word** or **PDF** file, which includes:
  - (The **file name** should be like "project1_YourFirstNameYourLastName.pdf"…)
  - A cover page with your name, project title,…
  - Screenshots taken in the Project.
    - You need to take these shots **in this order as you work through the project**.
  - You required Java code for the classes.
- (***Penalty*** will be applied if your submission that does *not* follow the above instructions.)