Students - Please fill in the following:

HW#:   5

Student Name: Deverick Simpson

CSE Account: 37552586

Due Date: 4/20/11

Please initial (If you do not fill this out, we will not grade your program)
- _ds_   I have submitted a jar file.
- _ds_   I have submitted all the .java files individually and print all them.
- _ds_   I have submitted and attached a readme file.
- _ds_   I have submitted and attached a design document.
- **Anything else? Please specify here and explain it in your readme file.**

    Please arrange your homework hardcopy in the EXACT following order:
    1. Coversheet (this doc) , 2. readme, 3. Design document, 4. your source code

References:

I received Help from the following people (include specific topics):
    Matt Hovah helped clarify information concering input from a file and inputing into a database. Initiall I had been using a mysql command, LOAD DATA INFILE, which I was unfamiliar and uncomfortable with

For grader to fill in (For explanation of lost points, please check the program grading instruction guidelines):

Category	Max points	Earned Points	Graded by
Program Correctness	115		Burch
Software Design – Design document	20		Tan
Programming Style – look at Program documentation and style guidelines on my.unl.edu	15		Tan
Documentation - – look at Program documentation and style guidelines on my.unl.edu	5		Tan
Other Issues	10		Tan
Total	165		

Additional Comments from the grader:
What was done well in this program?

Is there anything that the student can do to improve this code?

SKIP GRADING if any of these is true	Circle One: Can not run your jar file on cse.unl.edu server. File missing. Turned in late. A class implementation of an object includes attributes and methods that do not belong to that object.

I. Program Correctness (115 Points) – To be filled by grader only

Earned Points	Max Points	Explanation for points lost (circle the appropriate ones & indicate points lost)
	10	(1) Correctly reading in the "student.dat" file (5 points) 1.a) use try-catch statement to check if file exists (5 points)
	10	(2) Correctly reading in the "exam.dat" file (5 points) 2.a) use try-catch statement to check if file exists (5 points)
	5	(3) Correctly display the main menu and identify the invalid input such as "6", "a" etc.
	5	(4) Correctly identify if the exam total weight is not equal to 100 (or 1).
	5	(5) Show the results on the screen with correct formatting
	5	(6) Store the results in the file with correct formatting

	40	(7) Correctly finish print grade report (option 1)
		    7.a) Correctly display the total number of students (5 points)
		    7.b) Correctly display the overall average score for the class (5 points)
		    7.c) Correctly display the student first name and last name (5 points)
		    7.d) Correctly display the student individual score (5 points)
		    7.e) Correctly display the student overall weighted percentage score (10 points)
		    7.f) Correctly display the student final grade (10 points)

	10	(8) Correctly finish grade roster and store the results into file "gradeRoster.dat" (option 2)

	10	(9) Correctly finish print the exam statistics (option 3)
		    9.a) Correctly display the sub-menu and identify the invalid input such as "-1". (5 points)
		    9.b) Correctly print out the right statistics result for each exam (5 points)

	10	(10) Correctly finish print out the statistics for the final grade (option 4)
	5	(11) Correctly quit the program (option 5)

II. Software Design (20 Points)- – To be filled by grader only

	20	Draw a ER diagram of your design, including tables, primary keys, foreign keys, etc. (20 points)

III. Programming Style (15 Points)– To be filled by grader only

	5	Meaningful variable names are not used
	5	Proper Indentation not used
	5	Logical segments of the code not documented

IV. Program Documentation (5 Points) - To be filled by grader only

	5	Readme file

V. Other Issues (10 Points)– To be filled by grader only

Earned Points	Max Points	Everyone by default will get these points unless we find something other than what is mentioned above
	10	

Note: to use the `ResultSet` object from a MySQL query to generate the output. (**YOU CANNOT USE THE FOLLOWING AND IF YOU DO THE ENTIRE PROGRAM WILL GET A GRADE OF ZERO**:

    a. Java lists – Arraylist, Vector etc

    b. Your own Java arrays