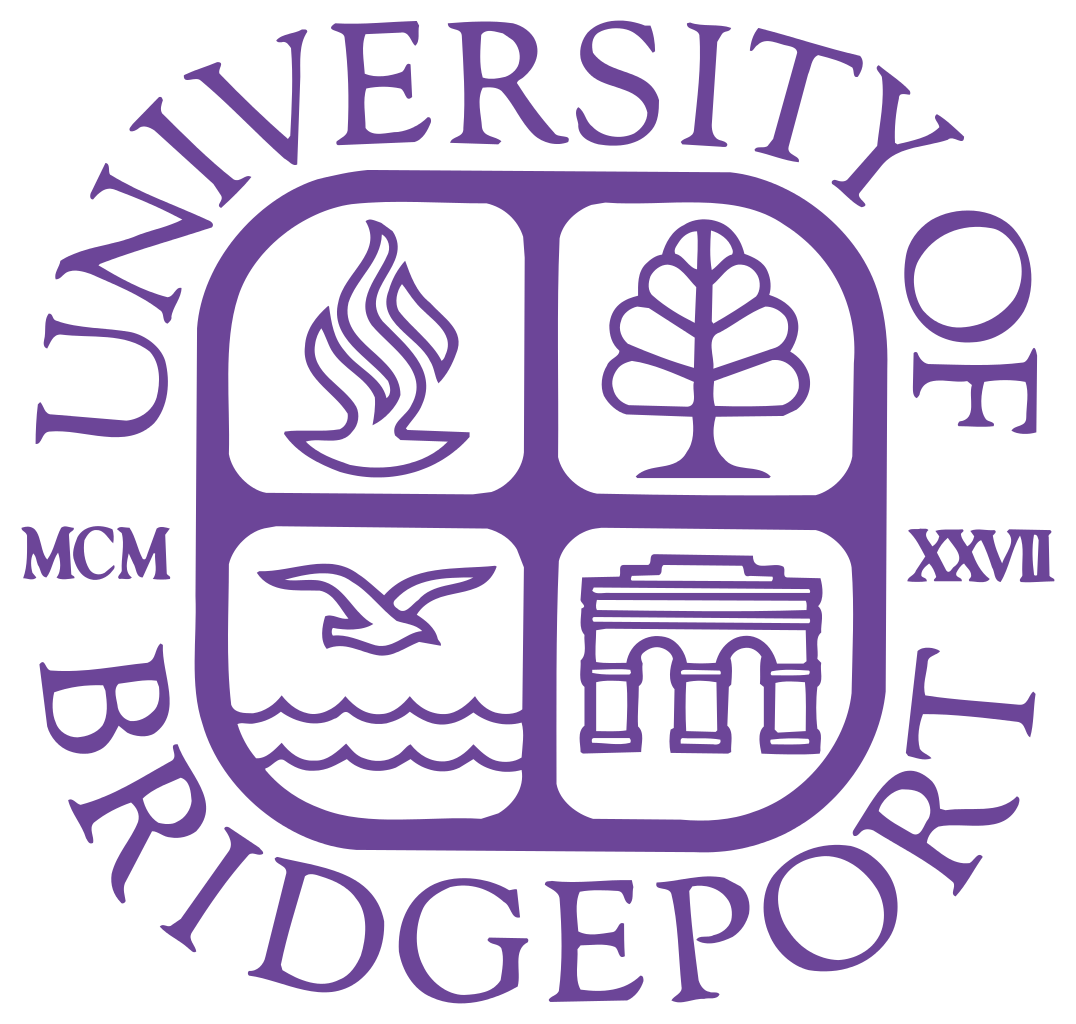
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**Bashar Alhafni**

**Assignment #9**

**Objective:**

Improve the Assignment 7 by enhancing it to include capabilities such as “RegisterForACourse”, “UnregisterFromACourse”, “ViewGrades” – courses taken so far, the grades and the GPA, and any other enhancement that you can think of that is meaningful. Modify the implementation based on the ideas in Assignment 8 i.e., handout on the LayeredArchitectureDBTransactions.

**Approach:**

I improved assignment 7 by implementing the layered architecture and adding the following capabilities to the program. View courses taken, view grades and gpa, register for a course, and unregister for a course. I also improved my approach for reading the data from the files and saving this data in tables. Previously, I was reading each file in an individual method. However, for this assignment I implemented reflection to read the data from the file and store it inside the tables. I created an IRepositoy<Object> interfaces for every class that represent every table in the database. All these interfaces are implemented by the Repository class. I also created an IBusiness<Object> in the same way. Where the business class implements all of these interfaces.

**Screenshots:**

