CECS 475 Final Exam Take-Home Problem Fall 2019
10 points
Name:
/10 points
Due date: December 14, 2019 before midnight
Submit this document with your answers to the Dropbox called "Final Take-home problem".
Object dependency means one object needs another object to execute properly, in multitier application (Presentation Tier, Business Logic Tier and Service Tier), the very common scenario is; Presentation Tier dependent on Business Logic and Business Logic requires different services on the basis of end user selection.
For instance for university domain, different services could be like RegistrationService, GradingService, and ParkingService. If we need some properties of Registration service then the Client calls Business object and Business logic requires an object of Service objects so that Business object is dependent on Service object.
Business object is coupled with Service object.
Class BusinessLogicImplementation
RegistrationService register=new RegistrationService();
GradingService grading=new GradingService (); }
In the above example class <code>BusinessLogicImplementation</code> dependent (coupled) on different service objects. The tightly coupled objects all most impossible to reuse and implement unit test because of the dependencies.
The following example shows the code implementation of constructor Injection for the above example.
//Service interface
public interface IService
string ServiceMethod();
}
//Registration Service

 $public\ class\ Registration Service: I Service$

```
public string ServiceMethod()
    return "Registration service is running";
//Grading Service
public class GradingService: IService
  public string ServiceMethod()
    return "Grading service is running";
Implement the Constructor Injection for all services by filling in blanks.
For a blank that it should be a C# statement, you need to fill it in with one statement only.
                                                                                      Hide Copy Code
public class BusinessLogicImplementation
 public BusinessLogicImplementation (______)
 //Function to display the service
 public void display()
 {//Display to the console window about what service is running
 }
```

Implement the client (main method) that will consume a registration service.

The main method will display a message "Registration is running"

//YOUR CODE