Create a table named HotelDetails with the following columns

id int identity, name, mobileNumber, costPerDay, owner

Create a class named **Hotel**with the following private attributes/variables.

|  |  |
| --- | --- |
| **Data type** | **Variable** |
| Int | \_id |
| String | \_name |
| String | \_mobileNumber |
| Double | \_costPerDay |
| String | \_owner |

Include appropriate properties.  
Include default and parameterized constructor with parameters in the following order,  
**public Hotel(int \_id, string \_name, string \_mobileNumber, double \_costPerDay, string \_owner)  
public Hotel(string \_name, string \_mobileNumber, double \_costPerDay, string \_owner)**  
  
Create a class **HotelBO**with the following methods.

|  |  |
| --- | --- |
| **Method** | **Description** |
| public bool InsertHotel(Hotel Hotel) | In this method, call the InsertHotel() method in HotelDAO and return the bool value indicating the status of insert. |
| public bool UpdateHotel(int HotelId, double costPerDay) | In this method, call the UpdateHotel() method in HotelDAO and return bool value indicating the status of update. |
| public bool DeleteHotel(int HotelId) | In this method, call the DeleteHotel() method in HotelDAO and return bool value indicating the status of delete. |
| public void DisplayHotels() | In this method, call GetAllHotel() method in HotelDAO and display the Hotel details. If Hotel list is empty, display ‘**No Hotel available**’ |

Create a class **HotelDAO**with the following methods.

|  |  |
| --- | --- |
| **Method** | **Description** |
| public bool InsertHotel(Hotel Hotel) | In this method, insert the Hotel object to Hotel table in database and return the insert status as boolean value. |
| public bool UpdateHotel(int HotelId, double costPerDay) | In this method, update cost per day of a Hotel based on the Hotel id and return the update status as a boolean value. |
| public bool DeleteHotel(int HotelId) | In this method, delete the Hotel details from the Hotel table based on the Hotel id and return the delete status as a boolean value. |
| public List<Hotel> GetAllHotel() | In this method, get all the Hotel details from the Hotel table and convert it into list of Hotel objects. Return the list of Hotel objects. |

Create another class **Program** and write a Main method to test the above class.  
In the Main() method, display the menu and call the appropriate methods in HotelBO to perform the requested operations.  
  
**Note:**  
Every decimal value should have two decimal places.  
Use the follow format to display the Hotel details.  
**String.Format("{0,-20} {1,-15} {2,-10} {3,-15} {4}", "Name", "Mobile", "Cost", "Owner", "Venue")**  
  
  
**Sample Input and Output 1:**  
Menu  
1.Insert Hotel  
2.Update cost per day  
3.Delete Hotel  
4.Exit  
**1**  
Enter the Hotel name  
**Hotel Magica**  
Enter the mobile number  
**9123458760**  
Enter the cost per day  
**50000**  
Enter the owner name  
**Clarke**  
Hotel inserted successfully  
Id    Name                 Mobile number   Cost per day Owner  
1     Hotel Paradise        Steve Jobs      40000      9876543210  
2     Hotel Magica          9123458760      50000      Clarke  
Menu  
1.Insert Hotel  
2.Update cost per day  
3.Delete Hotel  
4.Exit  
**2**  
Enter the Hotel id  
**2**  
Enter the cost per day  
**45999**  
Hotel updated successfully  
Menu  
1.Insert Hotel  
2.Update cost per day  
3.Delete Hotel  
4.Exit  
**3**  
Enter the Hotel id  
**1**  
Hotel deleted successfully  
Menu  
1.Insert Hotel  
2.Update cost per day  
3.Delete Hotel  
4.Exit  
**2**  
Enter the Hotel id  
**1**  
Enter the cost per day  
**60000**  
Invalid Hotel id  
Menu  
1.Insert Hotel  
2.Update cost per day  
3.Delete Hotel  
4.Exit  
**3**  
Enter the Hotel id  
**1**  
Invalid Hotel id  
Menu  
1.Insert Hotel  
2.Update cost per day  
3.Delete Hotel  
4.Exit  
**5**  
Invalid input