

CPIT 252 Project

Hotel Management System

The design pattern used in this project is only Singleton. I tried to use Façade as well, but I got a problem where the code compiles successfully, and a new record is added in the database. But all values in that record are either 0 or null. I tried to check if there was a problem with the getters and setters or if the variable types are incompatible, and there were no problems with them, that is why I removed the Façade design pattern.

I have been trying to solve this problem for more than 2 weeks but unfortunately, I did not manage to solve it. I also couldn't find the time to ask you, since I was occupied with other projects and studying for the final practical exams that took place throughout the current week.

The use of the singleton design patten was to make sure that there is only one instance created from the class SingletonDBConn. And the database was created using MS Access so that I can share the file with you, and you can test it.

I tested all the functions of the program, and they are all functional and are working properly. Information on how to run the program will be provided in the README file.

```
Class.forName("net.ucanaccess.jdbc.UcanaccessDriver");  
  
//Change Path to the place where the access file is saved  
String path = "C:\\Users\\abdul\\Documents\\HotelDB.accdb";  
String url = "jdbc:ucanaccess://" + path;  
conn = DriverManager.getConnection(url);  
}
```

Figure 1 Path code in class SingletonDBConn