

**American International University- Bangladesh**

**CSC 1205: Object Oriented Programming 1 (JAVA)**

**CO4 Evaluation**

**Project Concluding Report**

**Fall 2021-22**

**Project Title: Online Hostel Reservation**

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**Online Hostel Reservation**

**Introduction:**

***Online Hostel Reservation is a project about how a student can reserve his/her hostel room. Not only reservation but also a student can leave the Hostel whenever a student want. This project is to make this reservation clear and shortly.***

**Problem Analysis:**

**This project is designed to stop manual reservation system and to develop more easy way for a student to take a hostel room , fees, their name .For the staffemployee this project is also very easy to maintain the hostel and student environment.**

**UI Design Analysis:**

***Online Hostel Reservation is designed so that the universities and colleges can easily maintain their students .This design is created so that the hostel authority can help and solve any possible problems that is beign created or faced by the students living in Hostels.***

**Logical Analysis:**

***As we know many universities and colleges have their personal incampus hostel they face many kind of difficulties including Hostel reservation . In order to resolve boys and girls Hostel problems thos project is helpful. Hostel authority needs to maintain many things like students and staffs name, id, cellnumber and also if any students want to leave the hostel their information is important to keep. This project allows them to do this easily.***

**Online Hostel Reservation**

**OOP Concept Analysis:**

1. **Abstraction: It means hiding the details. In abstract class can not create object but they can use object reference of an abstract class.**
2. **Polymorphism: Different forms of same thing. There must be inheritance between to class.**
3. **Inheritance: Inheritance the process where one class posses the properties of another class. To implement parent-child relationship.**
4. **Interface: Interface just like an abstract class but it does not have any regular methods in it. Interface are by default public.**

**Impact of this Project:**

***Every student and every employee including Hostel authority have to maintain everything very carefully so that whenever a student or employee wants to reserve or leave the Hostel their information is important .This project gives easy access to this informations and work according to this.***

**Limitations and Possible Future Improvements:**

**In order to use this project in a more big Hostel or another reservation place more thing need to be maintained . So that the authority can maintain and solve all necessary things in short amount of time. To improve this project we need to add more methods and classes to maintain more broadly.**