

**American International University- Bangladesh**

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

**CO4 Evaluation**

**Project Concluding Report**

**Spring 19-20**

**Project Title: Bank Management System**

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**Introduction:**

*Our primary goal to make the project is to create a management of a bank that work in a structural way to fulfill the requirements of the customer.Further we tried to distinguish the role of employee and customer so that the management system works fine without any problem. Our goal is to improve a programming system that identified with client accounts ,employee and transactions method.*

**Problem Analysis:**

Customer of a specific bank can be benefited from this application .this application provide some facilities to the customer such as deposit,withdraw and transfer .this project comes with a solution that build a structured way of a management system that deals with customer . The employee of the bank can also use the application to do various things like check their status ,salary etc.

**UI Design Analysis:**

It determines how commands are given to the computer or the program and how data is displayed on the screen.there are two types of interface :test or command based interface and graphical interface(gui).

In our project we used command based ui design . But we could make it more user friendly and easy using gui . command based ui’s navigation is often more difficult.using gui it can be made easier.

**Logical Analysis:**

**We used some logical feature to solve the problem .for instance deposit value cant be negative .So if the customer enter e negative value it shows an error .file option is used in three classes account ,employee and customer to read their data because it is necessary to check the customer data and their account . when customer will withdraw money the amount will be deducted from the deposit value .there are some logical limitations such as the remove account function works properly but not fulfill the outcome .**

**OOP Concept Analysis:**

OOP revolves around objects. You create the objects that you need and then create methods to handle those objects. These methods don’t influence the state of the objects, but it’s the other way around. We also used this concept in our project .first we figured out the class that are mainly used in this application.firstly we identified the different class that will be used in out project to fulfill the goal . then other task of the oop was inheritance.some of the property were inherited to solve the problem .

In OOP, the data is grouped together with the methods that operate upon it.in our project this method is also taken care of.

**Impact of this Project:**

This project will help to fulfill the requirements of a bank and their customers basic needs.through the management system bank will be able to perform faster and easier without any error .on the other hand the customer will be able to perform their task faster .less human interaction means there is no chance of corruption.so in the long term it will be beneficial to the economy also.

**Limitations and Possible Future Improvements:**

**As we used the command method interface system it might be little hard for some customer .we thought about mobile based service like bkash .we could add some facilities like customer will receive**

**A sms whenever they withdraw money but it was not possible because there were limitations dealing with mobile network authority.performance could be improved a bit ,we will try to deal with some performance issue in future improvements.**