**Project Title: Bank Management System.**

**Introduction:**

Now a days, managing a bank is tedious job upto certain limit. So software that reduces the work is essential. Also today’s world is a genuine computer world and is getting faster and faster day-by-day. Thus, considering necessities, the software for bank management has became necessary which would be useful in managing the bank more efficiently .

**Problem Analysis:**

Once the data is entered into the system, all the calculations are done automatically by software.Furthermore, statements and reports can be generated instantly at the click of a button. The data can be saved and stored in sceured locations so it is safe from natural and man-made disasters like earthquakes, fires, floods, arson and terrorist attacks.

This application use by Bank Admin, Bank Employee & Customer. Bank Admin make it secured , if any kind of problem which can’t solve employee Admin can fix it . Employee enter data in the system which is customer info , account details etc. Customer can see saving money & their transetions.

**UI Design Analysis:**

Generally any users have to go bank for their transetions information . They have to taken a serial token & wait until to announced their token number . By the useing application they can get their transetions information without go to the bank.

Using the bangla language & instraction side of the button it will be more improved . Some people don’t know english . For bangla language they can also easily use this application & side instraction will help to know button operation .

**Logical Analysis:**

if else syntax loops EXPECTION handling file mangmnt etc and all of them work properly

Yes , all of the applied logies workiing properly.

There is a logical limitation , this project has no search ability . In future we work on that.

**OOP Concept Analysis:**

The OOP1 principles are used in this project Inheritance , Polymorphism , Encapsulation & Abstraction.

Inheritance :- To inherit a class we use extends keyword. Here class SavingsAccount & FixedAccount is child class and class Account is parent class. The class SavingsAccount & FixedAccount is inheriting the properties and methods of Account class.

Polymorphism :- Polymorphism is considered as one of the important features of Object Oriented Programming. Polymorphism allows us to perform a single action in different ways. In other words, polymorphism allows you to define one interface and have multiple implementations. On SavingsAccount & FixedAccount class Polymorphism use to override the abstract method.

Encapsulation :- The meaning of Encapsulation, is to make sure that "sensitive" data is hidden from users. To achieve this, you must:

* declare class variables/attributes as private.
* provide public get and set methods to access and update the value of a private variable.

We apply Encapsulation on this classes - Customer, Employee, FixedAccount, SavingsAccount .

*Explain the OOP concepts used in this application (No more than 3 sentences per concept)?*

**Impact of this Project:**

With the advance technology, banking has become a 24 hours a day and seven days a week ability. Not too long ago banks were only open from 10:00am to 4:00pm, workers and businesses rushing to get to the bank before they close. Paychecks were handed out personally not direct deposit, cashing or depositing a paycheck entailed a trip to the bank. Now most companies have direct deposit and the printed paycheck is becoming a thing of the past, this is only one example of how technology in banking has changed in society.

The banking sector is an industry and a section of the economy devoted to the holding of financial assets for others and investing those financial assets as a leveraged way to create more wealth. The sector also includes the regulation of banking activities by government agencies, insurance, mortgages, investor services, and credit cards.Now it's will advaced and bank make more profite . Because they use new inovation for that reasone the man power will decrease.

Actully people benefitted from some way , one of them they will check their account saving & transactions . But it’s more benefitted for the bank . Because bank can insert new customer , delete custome , update ther info by this application . They will do same thing to manage ther employees . For that employees are get their salary in a fixed time .

**Limitations and Possible Future Improvements:**

The Limitationsof our project are, it can be recorded the insert, delete customer & employee information . There is another option is Money deposit, withdraw & transaction.   
  
There are so many thing has to improve it . They are Search ability, Login system. Online transction.