KIET GROUP OF INSTITUTIONS

Department of Computer Applications

PRESENTATION ON

<<BANKING MANAGEMENT SYSTEM>>

Submitted by

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ABSTRACT:

The purpose of this project is in partial fulfilment of the requirements of customer using the online banking for payment. The Design and development of this Bank Management system provides a more secured approach in managing bank customer's information which strengthens the relationships between banks and their customers by providing the right solutions that uses a multi-level security to improve customer satisfaction. The programming language used to develop this project is. Java.

The Domain "Banking System " keeps the day by day tally record as a complete banking. It can keep the information of Account type, account opening form, Deposit, Withdrawal, and Searching the transaction, Transaction report, Individual account opening form, Group Account. The exciting part of this project is; it displays Transaction reports, Statistical Summary of Account type and Interest Information.

CONTENT

- Introduction
- Objective of Project
- Technologies / Software Requirements
- Hardware requirement / Hardware Used
- Modules Description
- Reports / Outputs
- Conclusion
- How to serve the society (If applicable)
- Gantt Chart (In terms of weeks)

INTRODUCTION

- The main objective of the project is to develop online Banking system for banks. In present system all banking work is done manually. User have to visit bank to Withdrawal or Deposit amount. In present bank system it is also difficult to find account information of account holder. In this bank management system we will automate all the banking process. In our bank management system user can check his balance online and he can also transfer money to other account online. In this Software you can keep record for daily Banking transactions. The main purpose of developing bank management system is to design an application, which could store bank data and provide an interface for retrieving customer related details with 100% accuracy.

Objective of Project

- To develop a **software** for solving financial applications of a customer in **banking** environment in order to nurture the needs of an end **banking** user by providing various ways to perform **banking** tasks.

ACKNOWLEDGEMENT

It's a pleasure of mine to find myself penning down these lines to express my sincere thanks to all my teachers to give me this opportunity of preparing this Project . I express my deep sense of gratitude to my guide to give me acknowledgement about the detail related to the

"Java Language".

My deepest gratitude to all my teachers for always boosting my morale And providing me encouraging environment.

I also extended my heartfelt thanks to my family and well wishers.

HARDWARE SOFTWARE REQUIREMENT

This software runs in any environment .Therefore a realistic hardware and software configuration for this software is:

Processor	**i3 or Higher Processor**
Operating System	**Microsoft Window 10**
RAM Memory	**4 GB**
Hard Disk	**8 GB**
Browser	**Google Chrome**
IDE	**NetBeans 8.2**
Server	**Tomcat Apache 8.5**
DataBase	**Oracle Database**

WHAT IS JAVA ?

Java is high level programming language developed by Sun Microsystems.

It was first developed by **James Gosling** at Sun Microsystem , which is now a part of Oracle Corporation.

Java was Originally called OAK , and was designed for handheld devices.

JDK JVM JRE

JDK (Java Development Kit): Java Development Kit (JDK) is a bundle of software components that is used to develop Java Based Applications.

JRE (Java runtime Environment):JRE is an implementation of the JVM which is actually executes Java program . It includes the JVM ,core libraries and other additional components to run applications and applets written in Java.

Basic Concepts

- It provides simple and easy to learn.
- It provides robust and secure.
- It provides independently of a given computer architecture or platform.
- It provides security.
- It provides objected to visualize program in real life terms.

Write The Code on Notepad

```
class Hello
{
public static void main(String [] args)
{
System.out.println(“Hello World”);
}
}
```

COMPILE AND RUN PROGRAM

```
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Users\user>cd/

C:\>cd javaprog

C:\javaprog>javac hello.java

C:\javaprog>java hello
Hello World

C:\javaprog>
```

JSP(Java Server Pages)

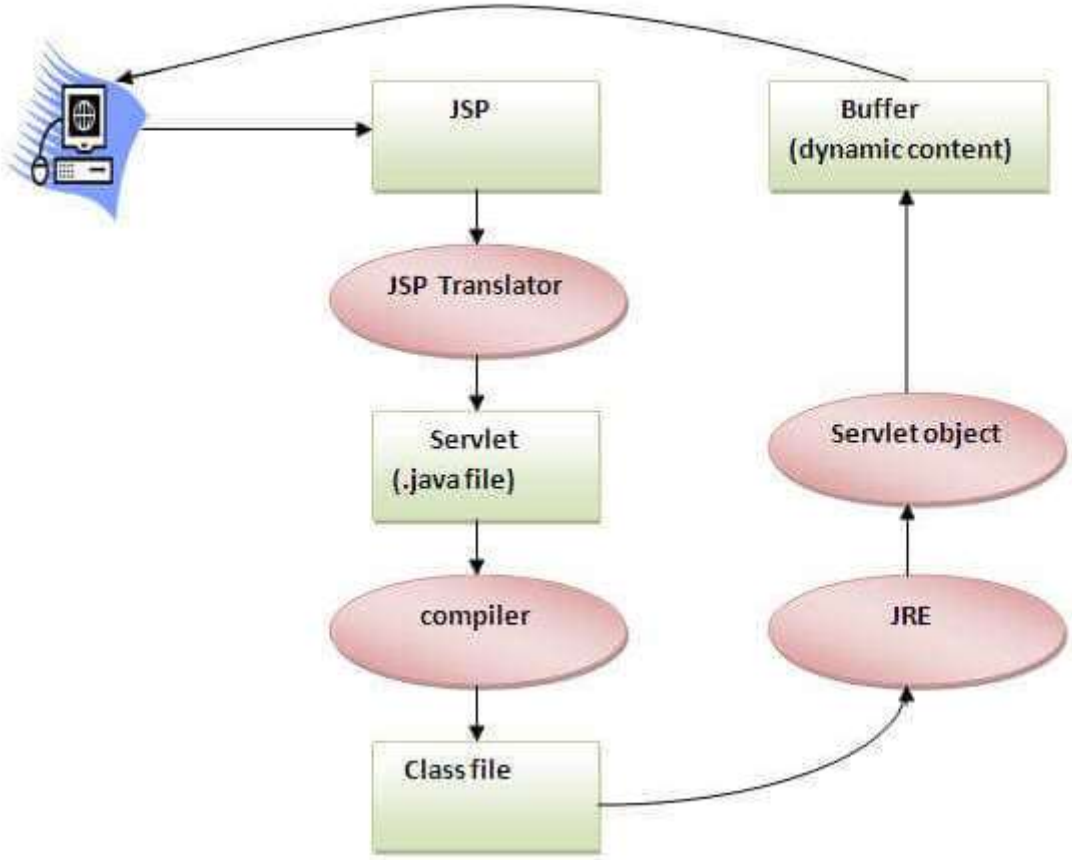
JSP technology is used to create web application just like Servlet technology. It can be thought of as an extension to Servlet because it provides more functionality than servlet such as expression language, **JSTL**, etc. A **JSP** page consists of HTML tags and **JSP** tags .

A JSP page consists of HTML tags and JSP tags. The JSP pages are easier to maintain than Servlet because we can separate designing and development. It provides some additional features such as Expression Language, Custom Tags, etc.

LIFE CYCLE OF JSP

- The JSP pages follow these phases:
- Translation of JSP Page
- Compilation of JSP Page
- Classloading (the classloader loads class file)
- Instantiation (Object of the Generated Servlet is created).
- Initialization (the container invokes jspInit() method).
- Request processing (the container invokes _jspService() method).
- Destroy (the container invokes jspDestroy() method).

JSP LIFE CYCLE



JSP Simple Program

```
<html>
<body>
<% out.print(2*5); %>
</body>
</html>
```

Run JSP Program

- Follow the following steps to execute this JSP page:
- Start the server
- Put the JSP file in a folder and deploy on the server
- Visit the browser by the URL http://localhost:portno/contextRoot/jspfile, for example, http://localhost:8888/myapplication/index.jsp

ORACLE DATABASE

An Oracle database is a collection of data treated as a unit . The purpose of a database is to store and retrieve related information. A database server is the key to solving the problems of information management. In general , a server reliably manages a large amount of data in a multiuser environment so that many users can concurrently access the same data. All this is accomplished while delivering high performance. A database server also prevents unauthorized access and provides efficient solutions for failure recovery . The database has logical structures and physical structures.

JAVA DATABASE CONNECTIVITY WITH ORACLE

```
import java.sql.*;
class JdbcDemo{
public static void main(String... a){
Connection cn=null;
try {
Class.forName("oracle.jdbc.OracleDriver");
}//try
catch(Exception e){
System.out.println(e);
}//catch
try {
cn=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","12345");
System.out.println("Connection established.....");
}//try
 catch(Exception e){
System.out.println(e);
}//catch
}//main
}//class
```

ORACLE QUERIES

Create Query : **CREATE TABLE** account
(
id number(10),
name varchar(50)
CONSTRAINT account_pk **PRIMARY KEY** (id)
);
Select Query **: SELECT *from** account;
Insert Query: **insert into** account **values**(1,'Tanvi');
Update Query: update account **set name**= ' Sita '
where id=1;
Delete Query: delete from account where id=2;
Truncate Query: **truncate table** account;
Drop Query: **drop table** account;
Alter Query:**ALTER TABLE** account;

MAJOR PROJECT
BANK MANAGEMENT SYSTEM

AIM

To develop a software for solving financial applications of a customer in banking environment in order to nurture the needs of an end banking user by providing various ways to perform banking tasks. Also to enable the user's workplace to have additional functionalities which are not provide under a conventional banking software.

PROBLEM DESCRIPTION

The bank management system is an application for maintaining a person's account in a bank . The system provides the access to the customer **to create an account,deposit ,withdraw cash , password change , exit account , account information .**

The following presentation provides the specification for the system.

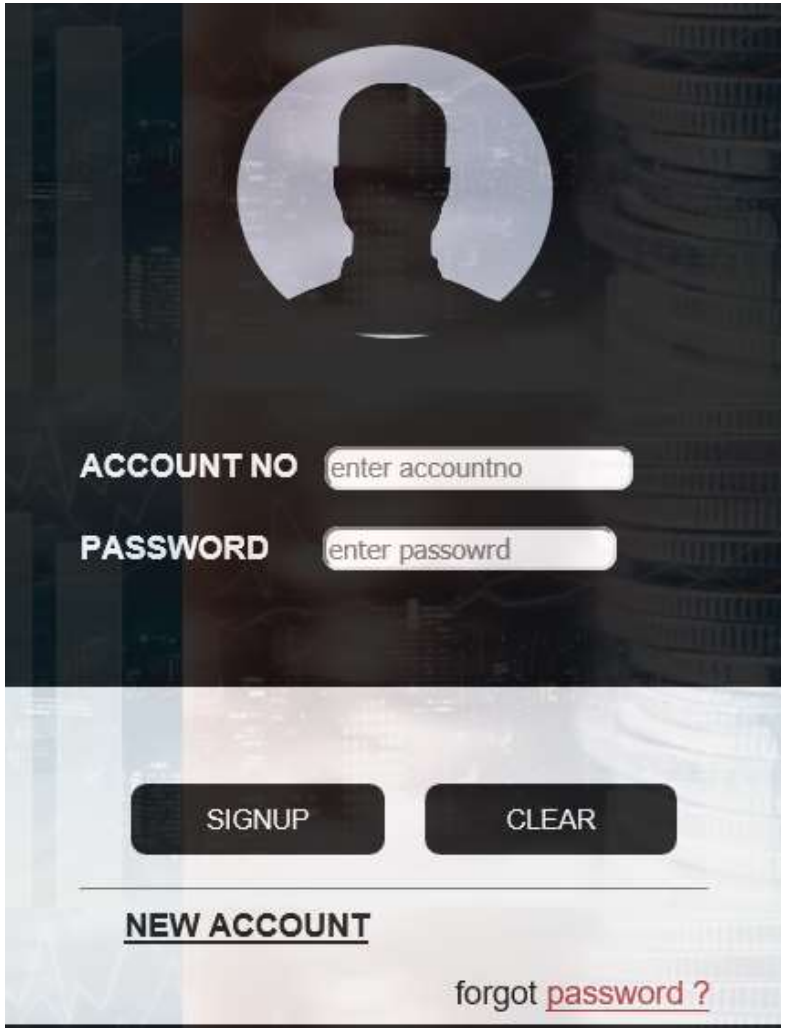
SOFTWARE REQUIREMENT

FRONT END : HTML (HYPER TEXT MARKUP LANGUAGE)

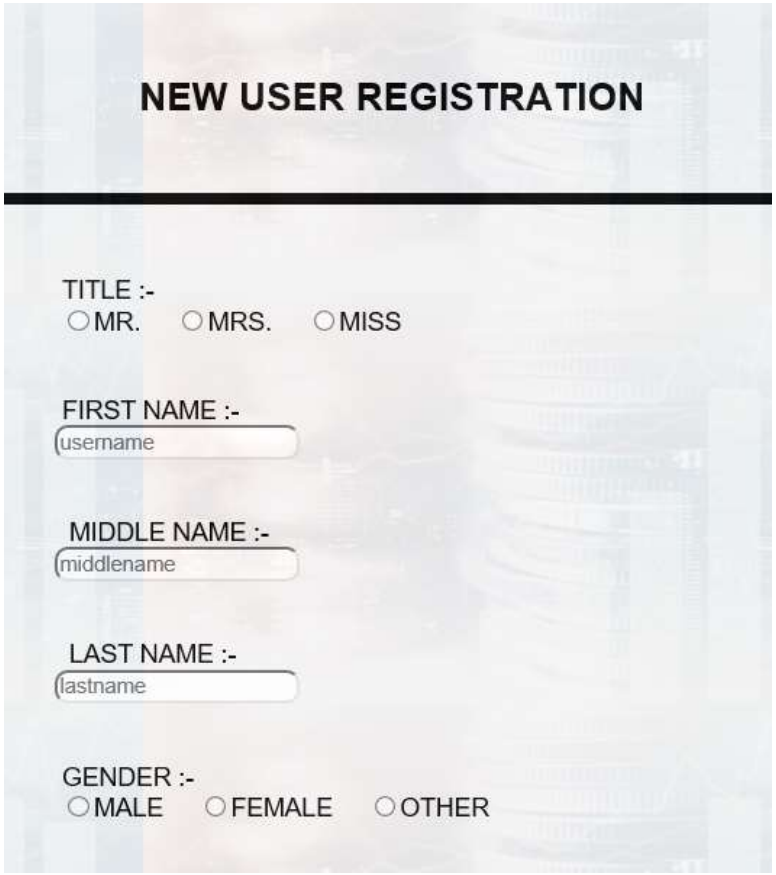
BACK END : JAVA

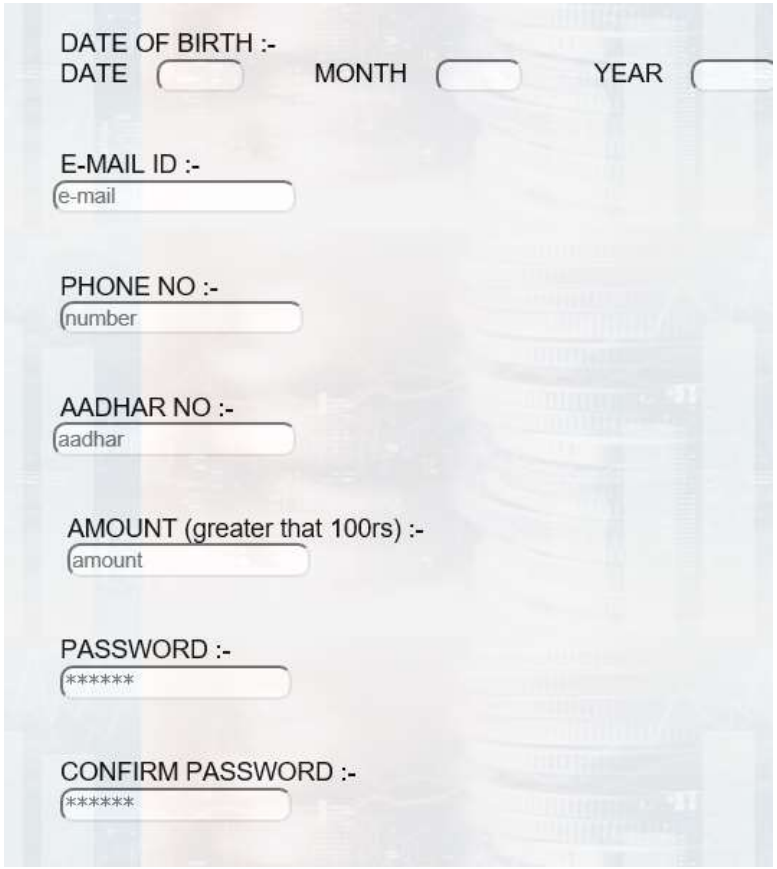
MODULE DESCRIPTION

MODULES (FIRST PAGE)



CREATE ACCOUNT
(PRESS NEW ACCOUNT)

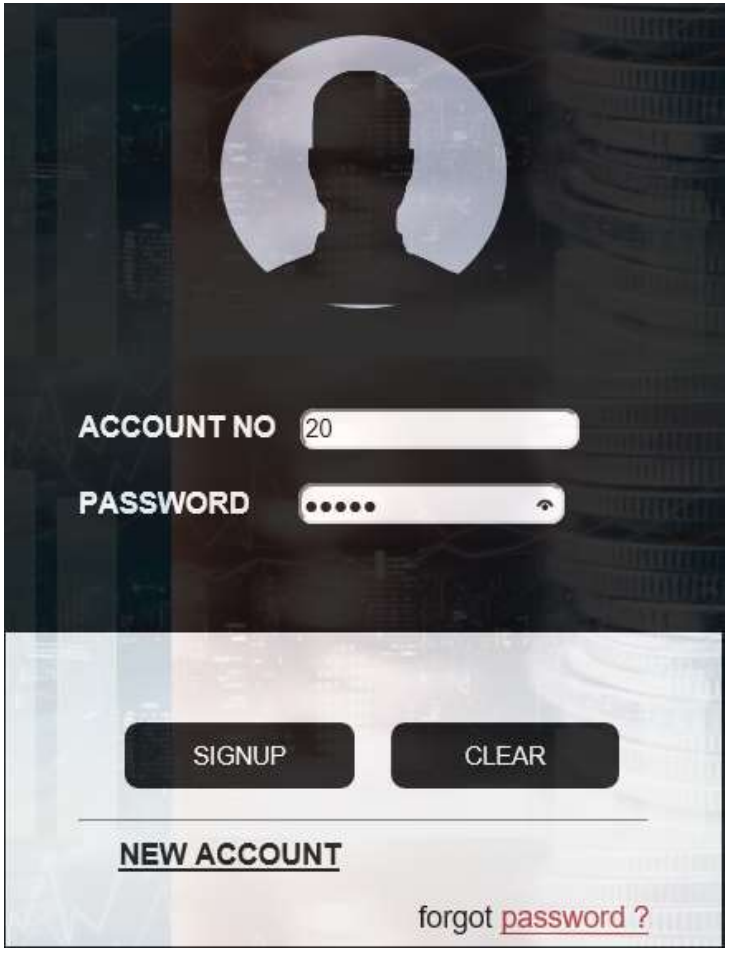




ACCOUNT NO PROVIDED BY BANK SO IT WILL SHOW ON THE OUTPUT SCREEN

Submit Done Succesfully and your account no is:20

IF ACCOUNT EXIST THAN OPEN

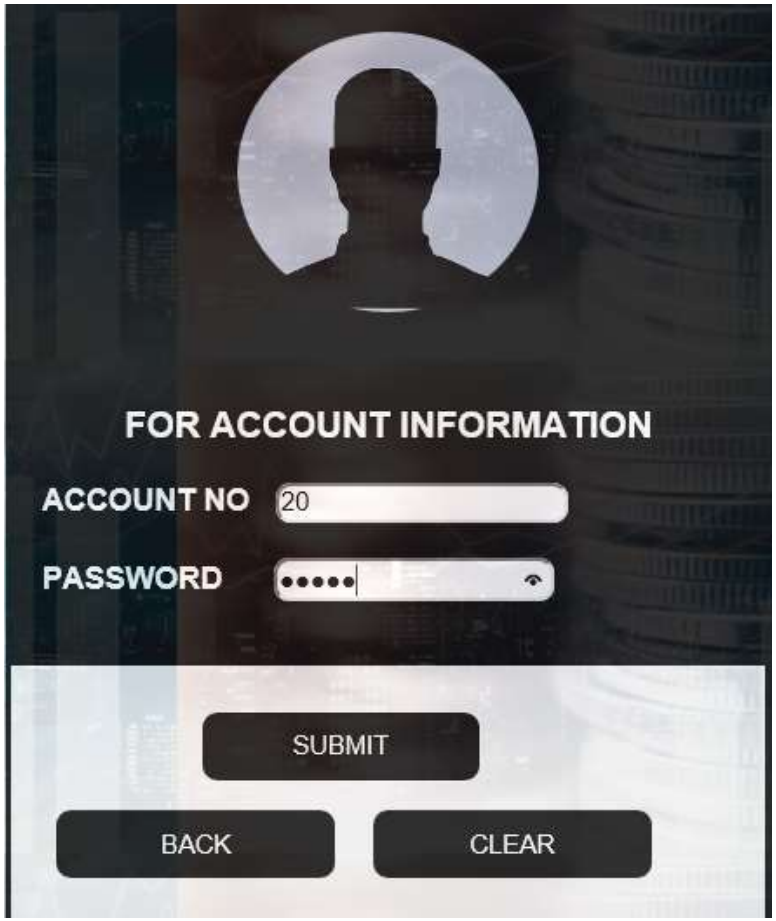


Connection established..... £1 Account Exist ....If you want to perform any operation than click otherwise back

OPERATIONS

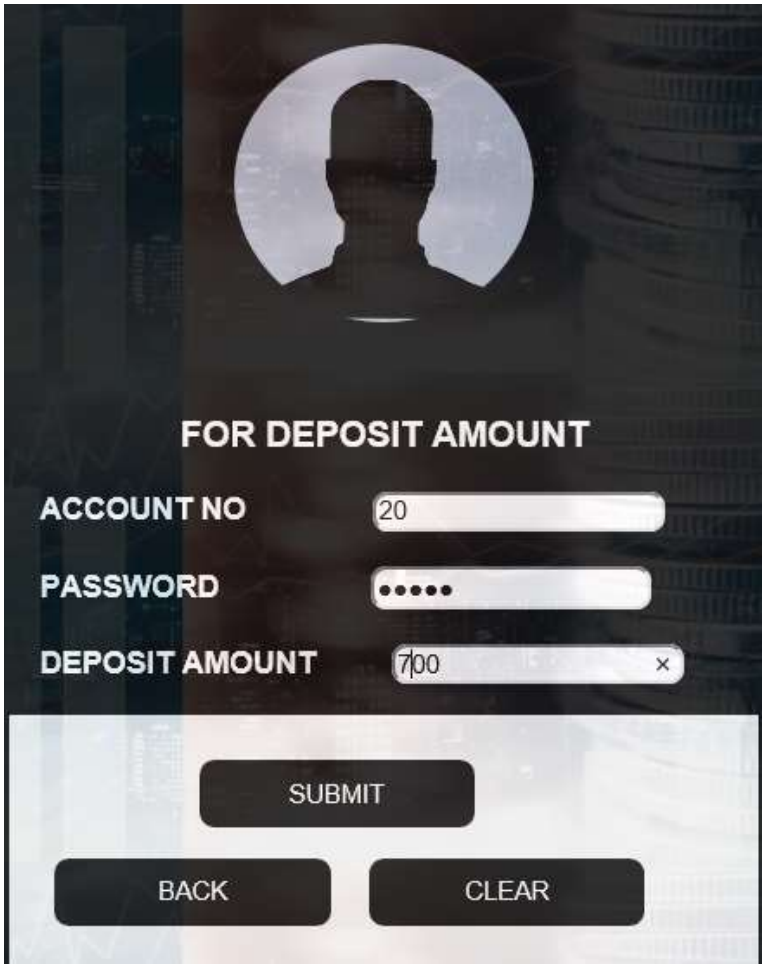
ACCOUNT EXIST AND CLICK OPERATIONS

ACCOUNT INFORMATION



TITLE	FIRST NAME	MIDDLE NAME	LAST NAME	GENDER	NATIONALITY	CATEGORY	ADDRESS	PIN	STATE	CITY	NEAREST BRANCH	BIRTHDATE	BIRTHMONTH
MISS	Soniya	-	Bhagwat	FEMALE	INDIAN	MINORITY	Mumbai	788982	Maharashtra	Mumbai	SBI	23	12

DEPOSIT



Previous Amount700 Deposit Done Succesfully ,Now Amount:1100

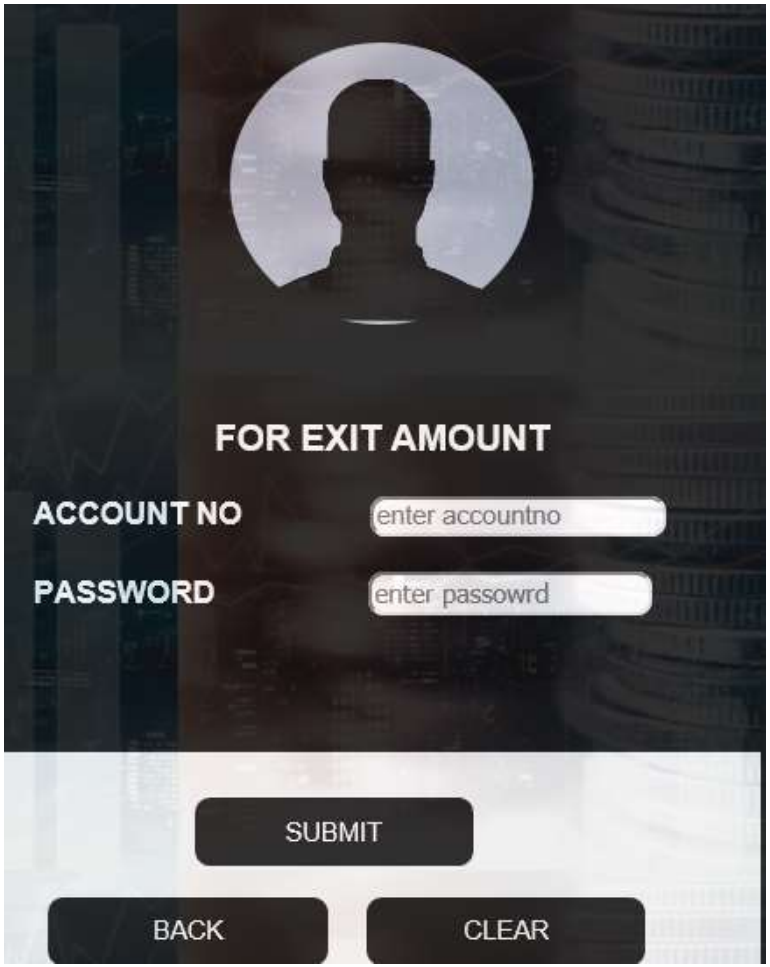
WITHDRAW

Previous Amount :1100 Withdraw Done Succesfully ,Now Balance:900

CHANGE PASSWORD

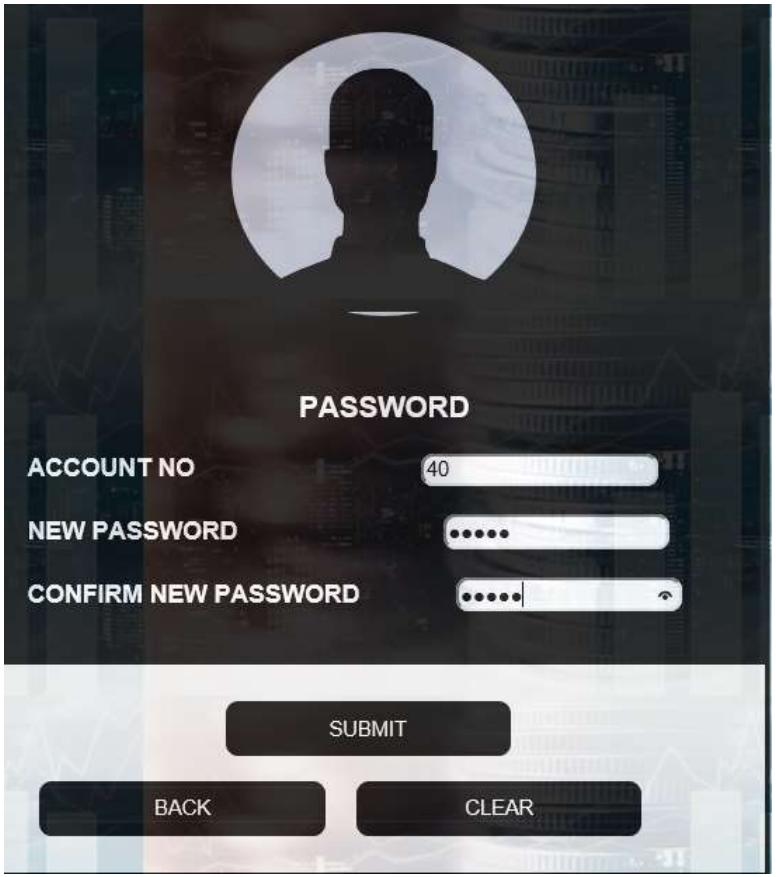
Password Change Succesfully

EXIT ACCOUNT

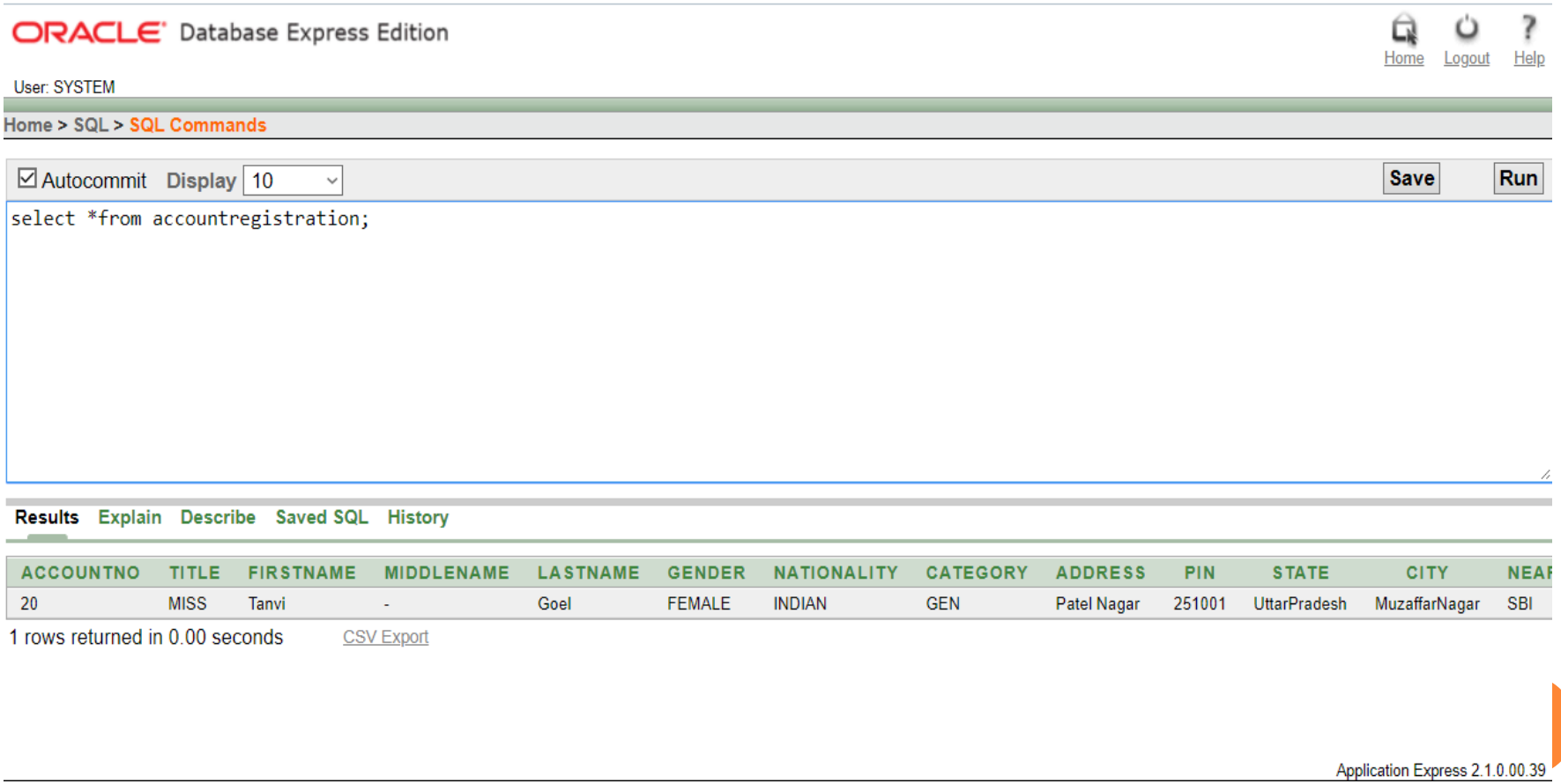


Connection established..... 40 Account Delete sucessfully

FORGOT PASSWORD



DATABASE STORE DATA



CONCLUSION

The development of computer based information system can be seen as a process in which information processing knowledge is transferred (actually embodied) into the information system being developed. This knowledge however needs to be updated when the system it describes change the way in which they processed information.

This project provides the facility to knowing about information of faculities…..

How to serve the society

Security Assured

Since online banking is one of the major services offered by banks, it is also a highly secure platform. Banks generally use encryption devices to ensure that all client information is protected and there is no security breach. It ultimately provides you security from online frauds and account hacking.

Access: No Problem

Even if it is the last day of your bill payment and you are minutes away from being levied a penalty, you can rely on online banking. Online transactions can be performed anytime of the day from the convenience of your home. Not just that, instead of being physically present for huge amount of transactions, you can safely transfer funds at any time, completely hassle-free.

No Hidden Fees

Despite the convenience being provided, there are no hidden fees associated with making online transactions. All you are charged is a nominal transaction convenience and the rest is managed by your bank.

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Convenience Guaranteed

While easy access is one of the many benefits of online banking, it also makes banking highly convenient. The need of waiting in long queues at the bank is completely eliminated. Moreover, with **mobile banking** option available for most banks, transfers and payments have become easier. Transactions can be completed on the go, whether you are stuck in a traffic jam or in the midst of work. This makes it even easier to check your balance before making cashless purchases to avoid embarrassment if your account doesn't have the balance to purchase everything on your shopping list.

Monitor Your Accounts Closely

Lastly, budgeting and managing your account is made simpler when you have access to e-banking and a good budgeting application at your fingertips. Real time expenses can be monitored while making purchases or estimating your monthly savings and expenses.

With all these benefits and many more adding to the list, it is difficult to opt out of using facilities like online banking for smoother banking transactions

Gantt Chart

ONLINE BANKING SYSTEM

Start: September 18, 2012
Finish: October 5, 2012
Report Date: October 5, 2012

Gantt Chart

WBS	Name	Work	Week 39, 2012							Week 40, 2012							Week 41, 2012								
			18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Requirement Analysis	4d																													
2	Use Case Diag	3d																													
3	Class Diag.	2d																													
4	Sequence diag.	4d																													
5	Activity Diag.	3d																													
6	Component Diag.	2d																													
7	Test Cases	1d																													

Tasks

WBS	Name	Start	Finish	Work	Priority	Complete	Cost
1	Requirement Analysis	Sep 18	Sep 21	4d		100%	
2	Use Case Diag	Sep 22	Sep 24	3d		100%	
3	Class Diag.	Sep 25	Sep 26	2d		100%	
4	Sequence diag.	Sep 27	Sep 30	4d		100%	
5	Activity Diag.	Sep 30	Oct 2	3d		100%	
6	Component Diag.	Oct 3	Oct 4	2d		100%	
7	Test Cases	Oct 5	Oct 5	1d		100%	