

## **Group Members:**

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## **Mobile Banking Application**

The main aim of designing and developing this Internet banking System J2EE primarily based Engineering project is to provide secure and efficient net banking facilities to the banking customers over the internet. Java Server Pages, J2EE, Java, Enterprise Beans, Oracle database used to develop this bank application where all banking customers can login through the secured web page by their account login id and password. Users will have all options and features in that application like get money from western union, money transfer to others, make payments for electricity bills, mobile prepaid recharges, mobile bills, water bills etc., and send cash or money to inter banking as well as other banking customers by simply adding them as payees.

### **Project Introduction**

Online Bank Management System is a very simple and entry level project developed in java using jdbc technology. I have used a database to store all the details of customer accounts in a table. This system is a simple project and useful for those who want to learn jsp/servlet with jdbc.

I have implemented most of the features of online banking in it. Users can login, do withdrawal, request a Deposit amount, Transfer amount from one account to another account, check his/her current balance, and view reports of all the transactions. The report includes:

- Statements Regarding A Particular Account
- Savings to Savings

- Savings to Loan Transactions
- Account Transaction Per Day
- Customer Validations
- Bank's Balance Sheet
- Bounced Cheques Reports

### **Purpose**

The Internet Banking System suite provides a global accounting foundation that provides all private banks with electronic banking facilities. It allows clients of private banks to carry out their day to day banking transactions.

### **Modules**

- Registration
- Account Details
- Deposit Cash
- Withdraw Cash
- Transfer Money
- Transaction History

### **Input Variable constraints:**

Variables:

- $5 \leq \text{Username} \leq 15$
- $5 \leq \text{Firstname} \leq 15$

- 5<= Lastname <=15
- 4<=Password<=15
- Gender = male/female
- Profession = Student/Business/Govt. Employee/Pvt.Employee
- 0 <House number<=5
- 10 <=Email<=30
- 5 <=Locality<=15
- City = Islamabad/Lahore/Karachi/Quetta/Peshawar
- Country = Pakistan
- Zip Code == 5

### **Specifications**

THIS Internet Banking System supports the functionalities of banking services with secure login procedure to interact within the CUSTOMERS and DATABASE.

- Application Server
- J2EETechnology
- Java Server Pages
- Java Servlet Programming language
- Enterprise Java Beans
  - Java SDK 1.3

## **Conclusion**

The application illustrates or demonstrates the way to develop an online banking system by using an interactive web client by using JSP, Servlet with a safer way to access an encapsulated database by EJB component. This suggests the application server is simply deployable and accessible.

**Source:** <https://projectsgeek.com/2014/06/internet-banking-system-project-java.html>

### Weak Robust Equivalence Classes

Equivalence Classes	Valid Inputs	Invalid Inputs
Username	5 <=Username <=15	Username < 5 and username>15
First name	5<= Firstname <=15	firstname < 5 and firstname>15
Last name	5<= Lastname <=15	lastname < 5 and lastname>15
Password	4<=Password<=15	password <4 and password>15
Gender	Female/male/other	Any other input
Profession	Student/Business/Govt. Employee/Pvt.Employee	Any other input
House Number	0<house no<=5	House no<=0 and house no >5
Email	10<= email<=30	email<10 and email>30
Locality	5<=locality<=15	locality<5 and locality>15

City	Islamabad/Lahore/Karachi/ Quetta/Peshawar	Any other input
Country	Pakistan	Any other input
Zip Code	Length = 5	Length < 5 and Length >5