



Bank Management System

Supervised by

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Project by

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What is a Bank Management System?

- Provides financial services using electronic communication and computation
- Automation of various activities and functions of any bank through Internet
- Digitization of money
- Effortless account handling
- Time saving

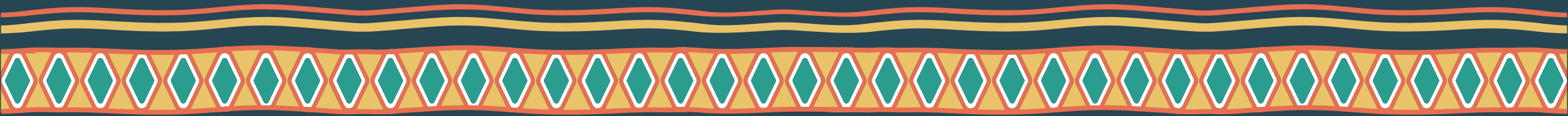


Domain

- Web applications use a combination of server-side scripts (PHP) to handle the storage and retrieval of the information, and client-side scripts (JavaScript and HTML) to present information to users.
- A database is an organized collection of structured information, or data, typically stored electronically in a computer system. A database is usually controlled by a database management system (DBMS). Together, the data and the DBMS, along with the applications that are associated with them, are referred to as a database system, often shortened to just database.

Scope of Work

- Fund Transfer
- View Transaction History
- View Account details
- Manipulate Client Account
- Manipulate Employee Account
- Withdrawal and deposit of funds



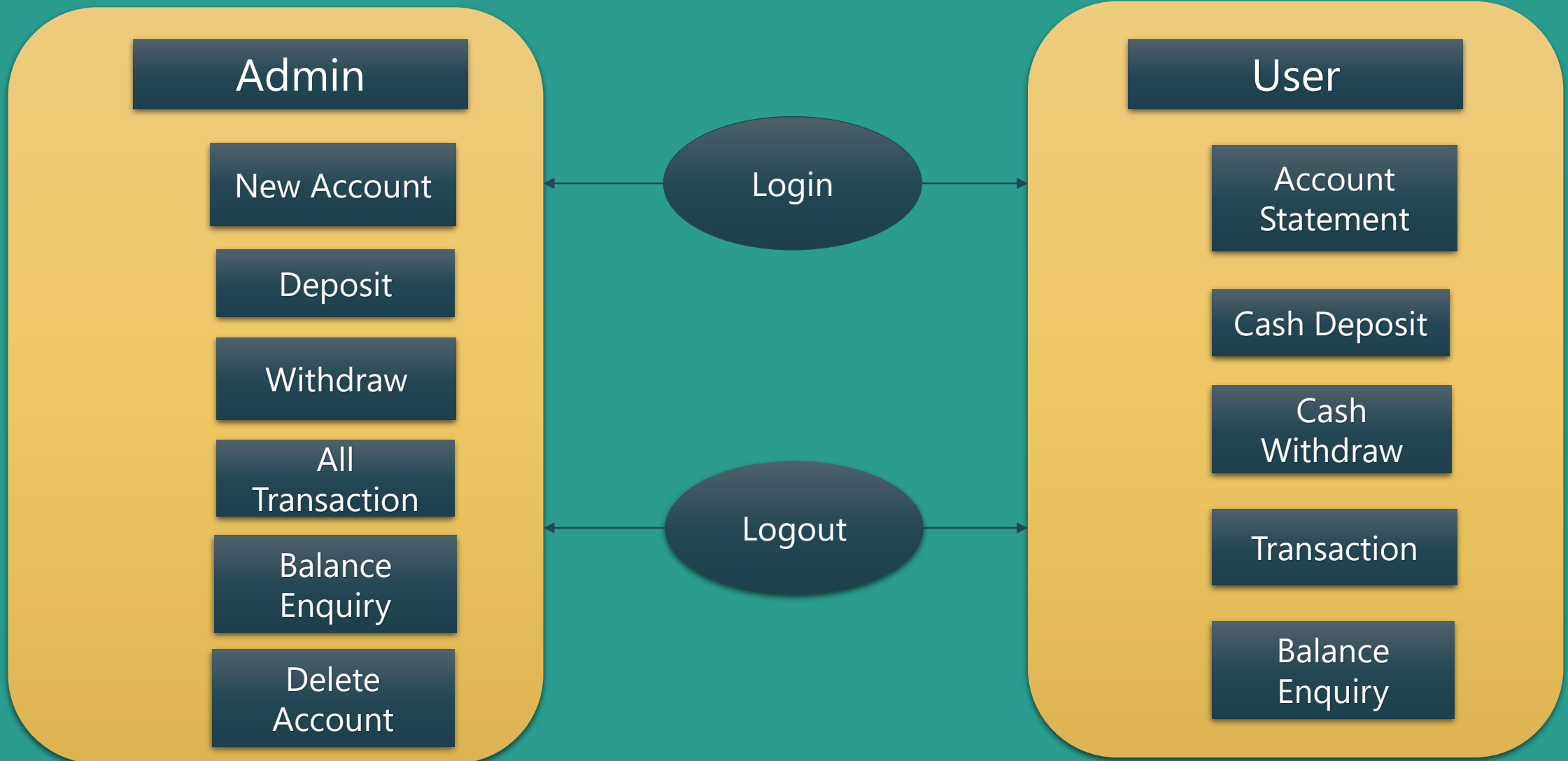


Methodology

Problem Statement

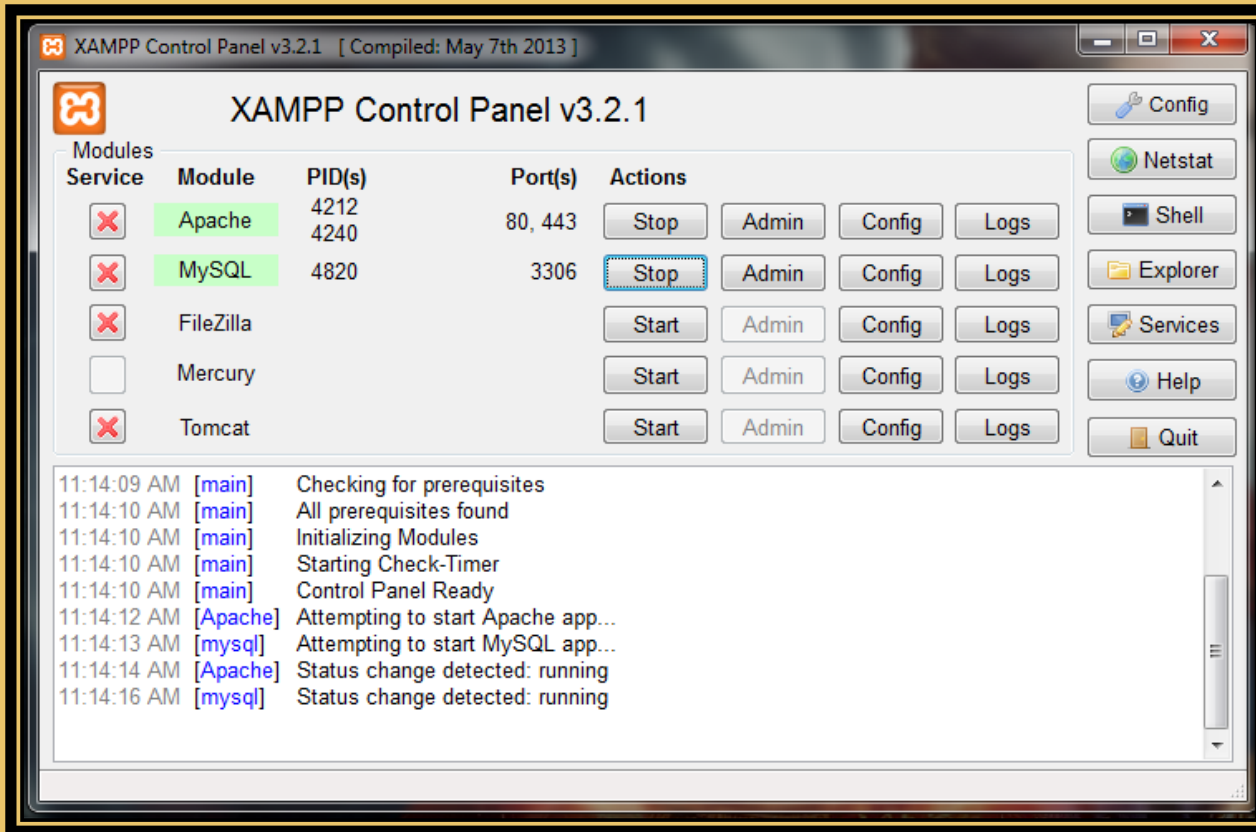
- Recording and maintaining all the client record
- User friendly connection between client, employee & manager

Design

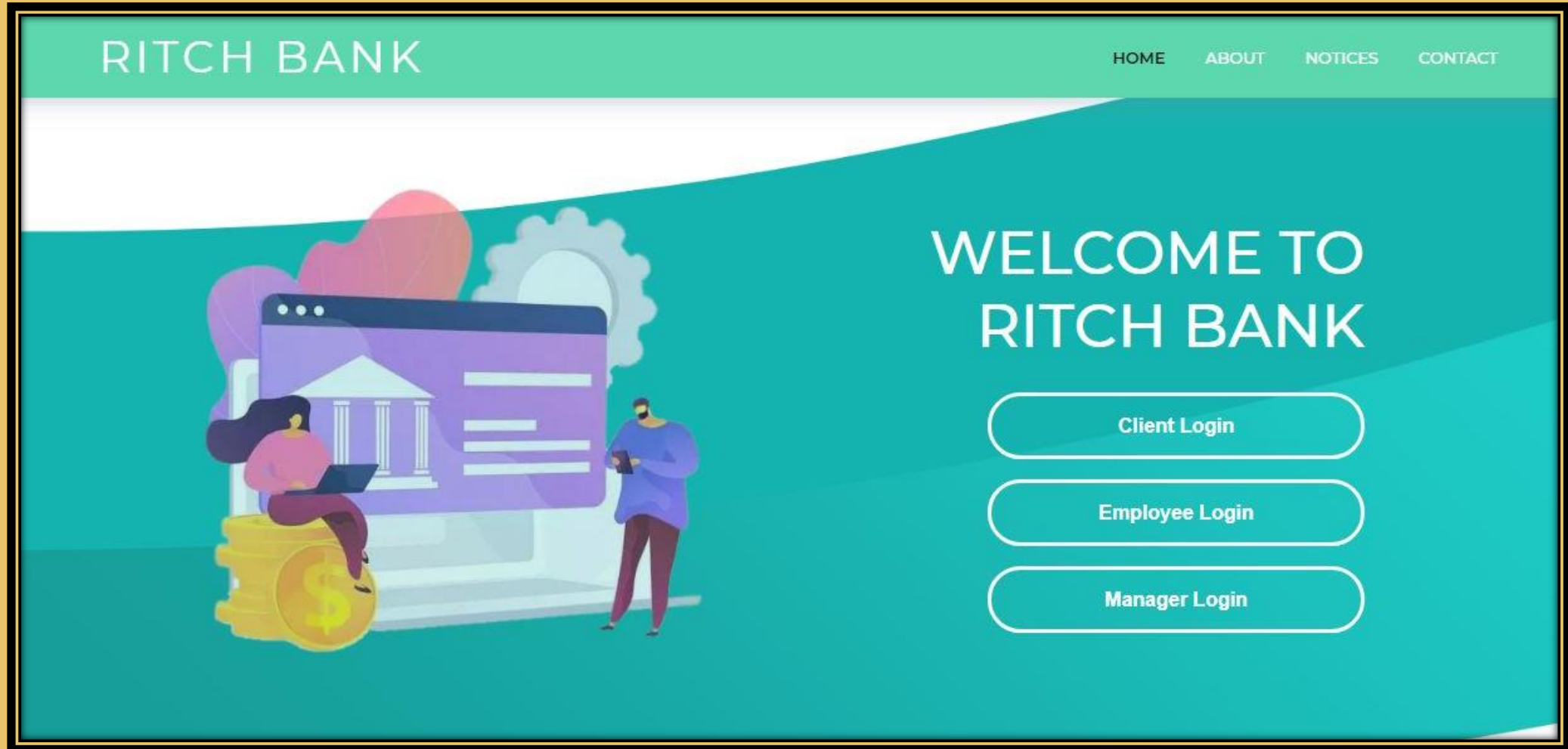


Implementation

Server Side



Client Side



Client Dashboard

RITCH BANK

HOMEACCOUNT STATEMENTSTRANSFER FUNDSFEEDBACK

Welcome SUMAN DEBNATHAccount No. 695510391

MANAGE ACCOUNT

Account Summery

Transfer Funds

Your Account Summery

Acc. Holder Name	Account Number	Balance (₹)
SUMAN DEBNATH	695510391	INR 48,957.60
Account Type	Branch Name	IFSC Code
SAVINGS	BARUIPUR	RTHB0000012

View Details

Transfer Fund

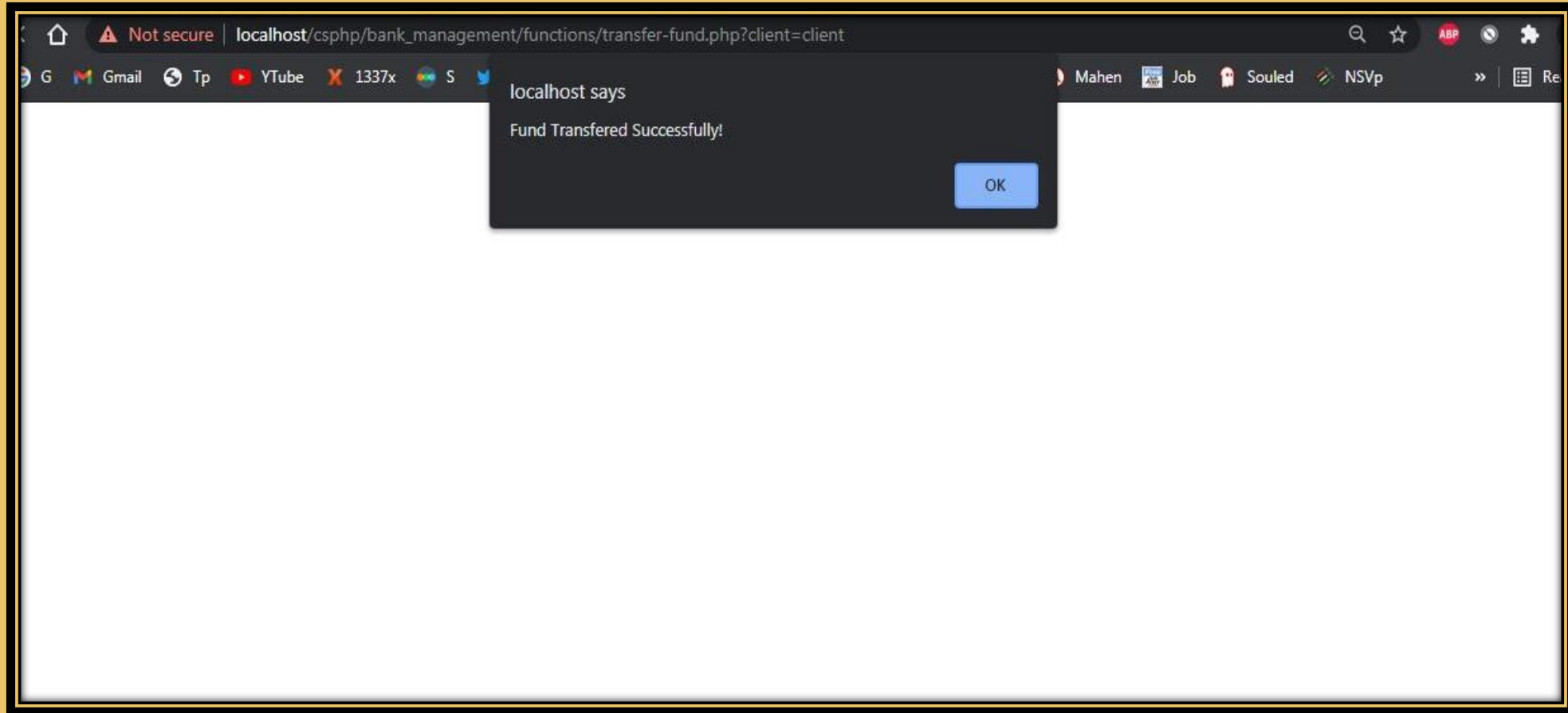
TRANSFER FUNDS

Account Holder Information

Account Holder Name	Account Number	IFSC Code
SAYANTAN DAS	456177852	RTHB00000006

Account No.	<input type="text" value="456177852"/>	Amount (₹)	<input type="text" value="120"/>	IFSC Code	<input type="text" value="RTHB00000006"/>
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Fund Transfer Successful



Transaction History

SUMAN DEBNATH

Account No. 695510391

TRANSACTION HISTORY

Transferred ₹120.00 from your account to Account Number 456177852 [SAYANTAN DAS] at 02:18 PM on Wednesday, 28th July, 2021.

You Received ₹67.00 from Account Number 695510392 [ACCOUNT DELETED] at 12:40 AM on Saturday, 24th July, 2021.

Transferred ₹20.00 from your account to Account Number 695510392 [ACCOUNT DELETED] at 12:38 AM on Saturday, 24th July, 2021.

Transferred ₹50.00 from your account to Account Number 695510392 [ACCOUNT DELETED] at 12:38 AM on Saturday, 24th July, 2021.

Employee Dashboard

Welcome RAHUL ROY [Employee]

Employee Id. 910821

MANAGE CLIENTS

Find Client

Add Client

Remove Client

Find Client Details

Enter Account Number

Find Details

MANAGE FUNDS

Debit Funds

Credit Funds

Transfer Funds

Find Client Details

Client Details

Acc. Holder Name

SUMAN DEBNATH

Account Number

695510391

Balance (₹)

INR 49,213.60

Account Type

SAVINGS

Email Id.

suman@gmail.com

Contact Number

9748346608

Date of Birth

7th July, 1999

Date of Creation

12th May, 2010

Gender

MALE

Source of Income

NIL

Aadhaar Number

123456789012

State

WEST BENGAL

District

SOUTH 24 PARGANAS

City

BARUIPUR

Address

MADARAT ROAD, BARUIPUR, KOLKATA 700144

Pincode

700144

Branch

BARUIPUR

IFSC Code

RTCH0000015

Add Client

First Name

XYZ

Last Name

XYZ

Gender

MALE

Date of Birth

14 - FEB - 2021

Deposit (₹)

500

Aadhaar Number

126508762165

Email Id.

dummy@dummy

Password

.....

Confirm Password

.....

Contact Number

9787768669

Source of Income

NIL

Account Number

695510392

Account Type

CURRENT

State

WEST BENGAL

District

XYZ

City

XYZ

Permanent Address

XYZ

Pincode

700144

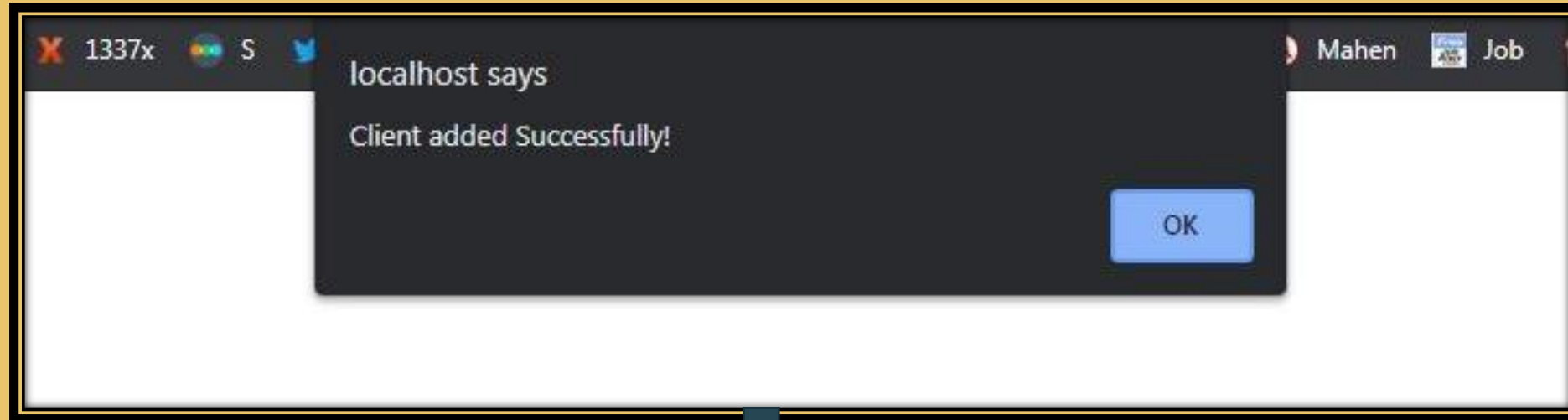
Branch

GARIA

SUBMIT

RESET

Client Added Successfully



A screenshot of a database management tool. On the left is a tree view showing a database structure with folders like 'assignment9', 'bank_management', 'calcuttauniversity', 'cdcol', 'cmsa', 'coffeebreak', 'company', and 'information_schema'. The 'bank_management' folder is expanded, showing tables like 'branch', 'clientaccounts', 'employeeaccounts', 'managerlogin', 'state', and 'transolient'. The 'clientaccounts' table is selected. The main area shows a table with columns: 'id', 'email', 'password', 'first_name', 'last_name', and 'gender'. The table is sorted by 'PRIMARY (Ascending)'. There are four rows of data, each with a checkbox, an 'Edit' button, a 'Copy' button, and a 'Delete' button. The data rows are:

	id	email	password	first_name	last_name	gender
<input type="checkbox"/>	2	sayantan@gmail.com	\$2y\$10\$CIJEXj9ELS0kDPyxihQx.uHBtwa96a4V3w4tgnrTf3L...	SAYANTAN	DAS	MALE
<input type="checkbox"/>	3	supratim@gmail.com	\$2y\$10\$F5mvJRQI0b6Eh7LYHOHs7.SwinCDG5HfLJGvenQiATn...	SUPRATIM	HALDAR	MALE
<input type="checkbox"/>	31	suman@gmail.com	\$2y\$10\$M47csi1h2sRO8YsiinRCJepaJsNDWB.AdPywXZL1SHS...	SUMAN	DEBNATH	MALE
<input type="checkbox"/>	32	dummy@dummy	\$2y\$10\$s0QVo5iZSoD0g4OGz/rdTe!JuZ.dcD2aHE4wA8ocAxZ...	XYZ	XYZ	MALE

Credit Funds

#	Account Holder Name	Account No.	Branch Name	Current Balance	Contact No.	
1	SAYANTAN DAS	456177852	JADAVPUR	₹9,144.00	9748346608	VIEW EDIT DELETE
2	SUPRATIM HALDAR	324025345	ALIPORE	₹10,904.00	9876543258	VIEW EDIT DELETE
3	SUMAN DEBNATH	695510391	BARUIPUR	₹49,213.60	9748346608	VIEW EDIT DELETE
4	XYZ XYZ	695510392	GARIA	₹500.00	9787768669	VIEW EDIT DELETE



Debit Funds

Credit Funds

Transfer Funds

Credit Funds To A Client

Account No.

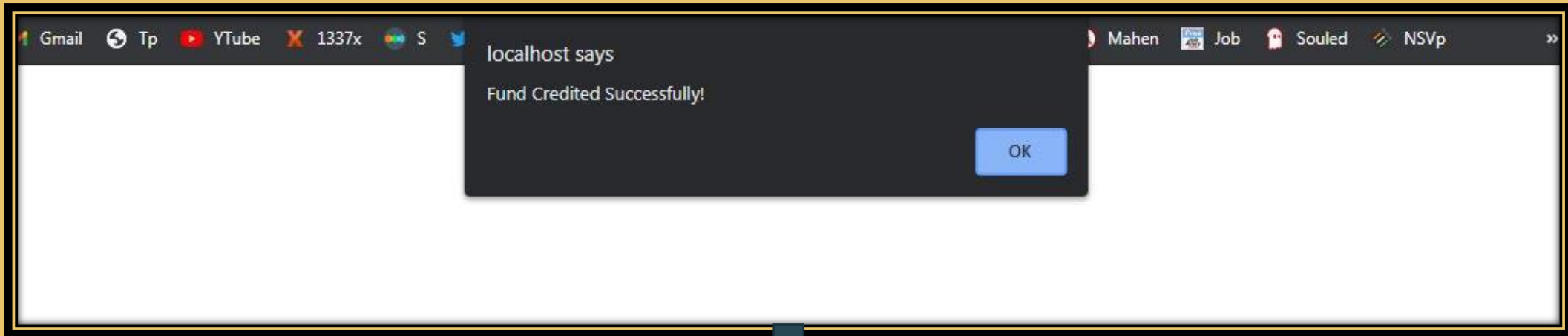
695510392

Amount (₹)

100

Credit Fund

Fund Credit Successful



#	Account Holder Name	Account No.	Branch Name	Current Balance	Contact No.	
1	SAYANTAN DAS	456177852	JADAVPUR	₹9,144.00	9748346608	VIEW EDIT DELETE
2	SUPRATIM HALDAR	324025345	ALIPORE	₹10,904.00	9876543258	VIEW EDIT DELETE
3	SUMAN DEBNATH	695510391	BARUIPUR	₹49,213.60	9748346608	VIEW EDIT DELETE
4	XYZ XYZ	695510392	GARIA	₹600.00	9787768669	VIEW EDIT DELETE

Debit Funds

Debit Funds

Credit Funds

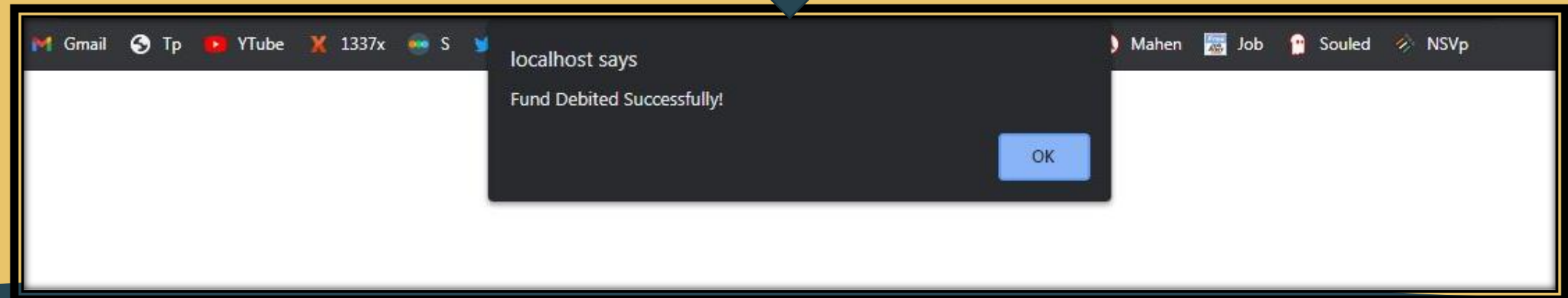
Transfer Funds

Debit Funds From A Client

Account No. 695510392

Amount (₹) 200



Debit Fund



Fund Debit Successful

#	Account Holder Name	Account No.	Branch Name	Current Balance	Contact No.	
1	SAYANTAN DAS	456177852	JADAVPUR	₹9,144.00	9748346608	VIEW EDIT DELETE
2	SUPRATIM HALDAR	324025345	ALIPORE	₹10,904.00	9876543258	VIEW EDIT DELETE
3	SUMAN DEBNATH	695510391	BARUIPUR	₹49,213.60	9748346608	VIEW EDIT DELETE
4	XYZ XYZ	695510392	GARIA	₹400.00	9787768669	VIEW EDIT DELETE



+ Options									
 			trans_id	action	from_account	to_account	trans_amount	date	
<input type="checkbox"/>	 Edit	 Copy	 Delete	82	withdraw	695510392	0	200	2021-07-28 14:47:16
<input type="checkbox"/>	 Edit	 Copy	 Delete	81	deposit	0	695510392	100	2021-07-28 14:44:18
<input type="checkbox"/>	 Edit	 Copy	 Delete	80	transfer	695510391	456177852	120	2021-07-28 14:18:39
<input type="checkbox"/>	 Edit	 Copy	 Delete	79	transfer	456177852	324025345	1816	2021-07-24 16:47:35
<input type="checkbox"/>	 Edit	 Copy	 Delete	78	transfer	695510392	695510391	67	2021-07-24 00:40:13
<input type="checkbox"/>	 Edit	 Copy	 Delete	77	transfer	695510391	695510392	20	2021-07-24 00:38:53

Manager Dashboard

Welcome RAVI SHARMA [Manager]

Total Balance: ₹69,261.60

MANAGE CLIENT

Find Client

Add Client

Remove Client

Find Client Details

Enter Account Number

Find Details

MANAGE EMPLOYEE

Find Employee

Add Employee

Remove Employee

Find Employee

Find Employee Details

Employee Details

Employee Name	Employee Id.	Email Id.
RAHUL ROY	910821	rahul@gmail.com
Contact Number	Date of Birth	Aadhaar Number
789456247	30th June, 1995	963852147789
Date Joined	Lenght of Service	State
16th March, 2011	10 Years, 4 Months, 11 Days	HIMACHAL PRADESH
District	City	Address
SOUTH 24 PARGANAS	CANNING	MOHON ROAD

EDIT EMPLOYEE DETAILS

Add Employee

Add New Employee

First Name	Last Name	Date of Birth
<input type="text" value="XYZ"/>	<input type="text" value="XYZ"/>	<input type="text" value="12-JAN-2021"/>
Aadhaar Number	Email Id.	Password
<input type="text" value="7894560908098"/>	<input type="text" value="XYZ@XYZ"/>	<input type="password" value="*****"/>
Confirm Password	Contact Number	Employee Id.
<input type="password" value="*****"/>	<input type="text" value="789456"/>	<input type="text" value="910822"/>
State	District	City
<input type="text" value="ANDHRA PRADESH"/>	<input type="text" value="XYZ"/>	<input type="text" value="XYZ"/>
Permanent Address		
<input type="text" value="XYZ"/>		

SUBMIT

RESET

Employee Added to Database

Showing rows 0 - 2 (3 total, Query took 0.0010 sec)

```
SELECT * FROM 'employeeaccounts'
```

☐ Profiling [Inline] [Edit] [Explain SQL] [Create PHP Code] [Refresh]

Number of rows: 25

Sort by key: None

+ Options

		id	first_name	last_name	email	password	contact_no	aadhaar_no	dob	address	e
<input type="checkbox"/>	Edit Copy Delete	1	SONYA	MEHETA	sonya@gmail.com	\$2y\$10\$ztLwKxx18uDQQIPPhLf4COcbN2PcDxZFweAVZeAHR0r...	789456123	12365478963	1989-07-21	MADARAT ROAD	7
<input type="checkbox"/>	Edit Copy Delete	2	RAHUL	ROY	rahul@gmail.com	\$2y\$10\$xDvq9NjbqVfrbnH2bMW14uFiZbF/ZwGqhpTskvZ5Own...	789456247	963852147789	1995-06-30	MOHON ROAD	9
<input type="checkbox"/>	Edit Copy Delete	3	XYZ	XYZ	XYZ@XYZ	\$2y\$10\$UcWYQwMSEM1.1YZDitD6AuwuM8Rd8tT6MWO49TaHW3j...	789456	7894560908098	2021-01-12	XYZ	9

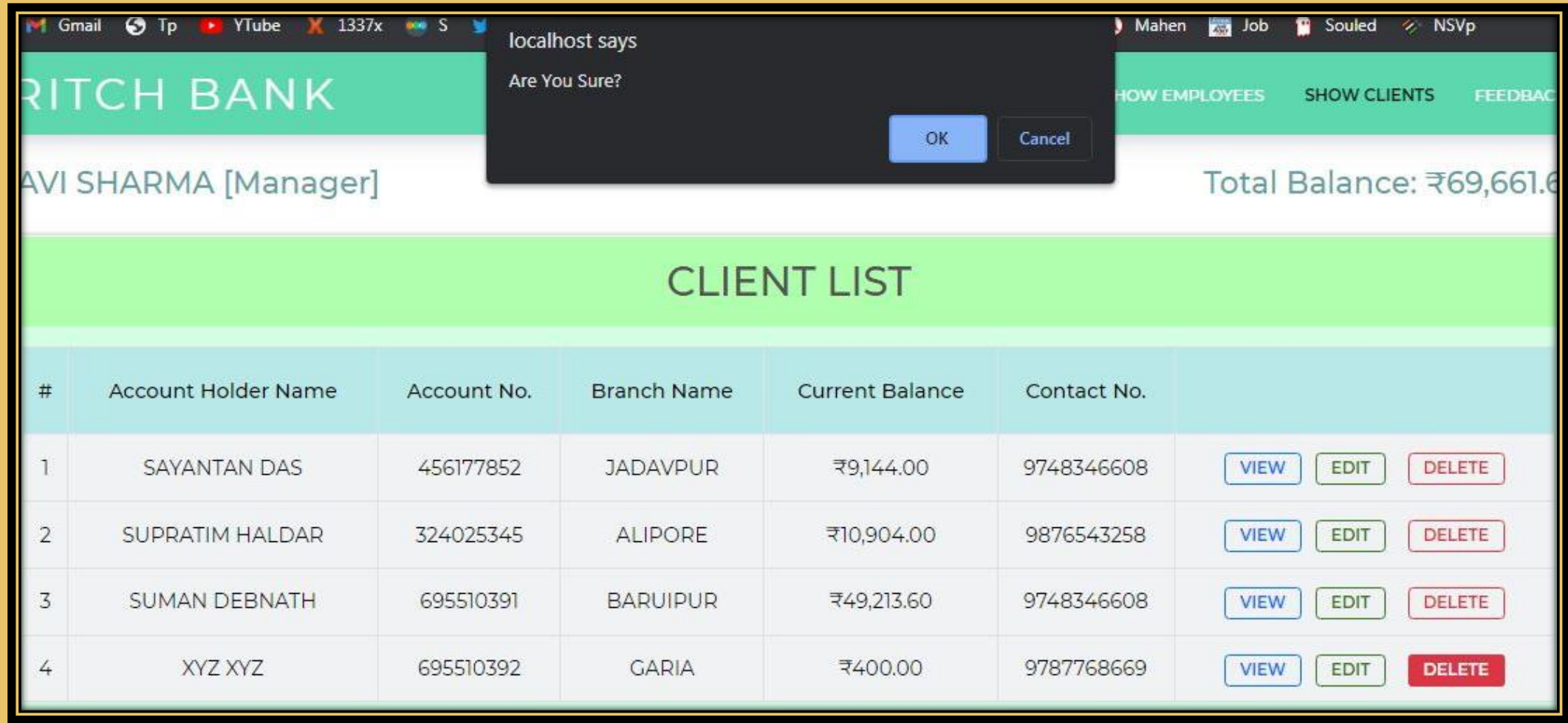
☐ Check All With selected: ☐ Change ☐ Delete ☐ Export

Number of rows: 25

Query results operations

☐ Print view ☐ Print view (with full texts) ☐ Export ☐ Display chart ☐ Create view

Delete Client



Client Deleted from Database

RITCH BANK

DASHBOARD

SHOW EMPLOYEES

SHOW CLIENTS

FEEDBACK

RAVI SHARMA [Manager]

Total Balance: ₹69,261.60

CLIENT LIST

#	Account Holder Name	Account No.	Branch Name	Current Balance	Contact No.	
1	SAYANTAN DAS	456177852	JADAVPUR	₹9,144.00	9748346608	<div><div>VIEW</div><div>EDIT</div><div>DELETE</div></div>
2	SUPRATIM HALDAR	324025345	ALIPORE	₹10,904.00	9876543258	<div><div>VIEW</div><div>EDIT</div><div>DELETE</div></div>
3	SUMAN DEBNATH	695510391	BARUIPUR	₹49,213.60	9748346608	<div><div>VIEW</div><div>EDIT</div><div>DELETE</div></div>

Result & Discussion

Working features are

- Fund transfer
- Debit / Credit funds
- Add / Edit / Delete client accounts
- Add / Edit / Delete employee accounts
- View transaction

Limitation

- International banking is not supported
- Live hosting is not supported

Thank You

