

PROJECT REPORT ON BANK APPLICATION

SUBMITTED BY-

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CHAPTER-1

INTRODUCTION

This project is web based banking Application for internal banking system managed by manager and clerk as per their authority.

The bank is a major industry and still at some stage banks are doing some manual processes. So it's really good to automate some manual processes that can help bankers or customers. So this banking management system is a web application to manage bank activities. Where we can manage the customers, Transaction details etc. The main purpose of developing bank application is to design an application, which could store customer data and provide an interface for retrieving customer related details with 100% accuracy.

CHAPTER -2

OBJECTIVE

The bank is a major industry and still at some stage banks are doing some manual processes. So it's really good to automate some manual processes that can help bankers or customers. So this banking management system is a web application to manage bank activities. Where we can manage the customers, Transaction details, add the employees, delete the employees, approve the transactions greater than 2 lac etc.

CHAPTER-3

DESCRIPTION OF THE SYSTEM

There are two types of actors in the application. Manager, clerk

Manager: Manager is the Admin of the application. He can perform the following activities

The Admin can ADD/EDIT/UPDATE new customers of the bank.

The Admin can ADD/EDIT/UPDATE new employee of the bank.

The admin can see log details of transactions done by the customer/employee

Admin will manage all the online payment logs.

clerk: clerk can perform following actins

clerk can change the address details of customer on proper verification

clerk can do deposit and withdraw operation for customer, For transfer of more then 2 lac he need approval of manager

clerk can show transaction histroy of an customer and provide an printout of that.

CHAPTER-4

OOAD OF PROJECT

4.1 USE CASE DIGRAM



Above shows the use case diagram of Banking application. It is a graphical depiction of clerks and admin's possible interactions with a system.

Here use case diagram describe the relationship between users and use cases. A use case is a user activity in the system. It consist of two components

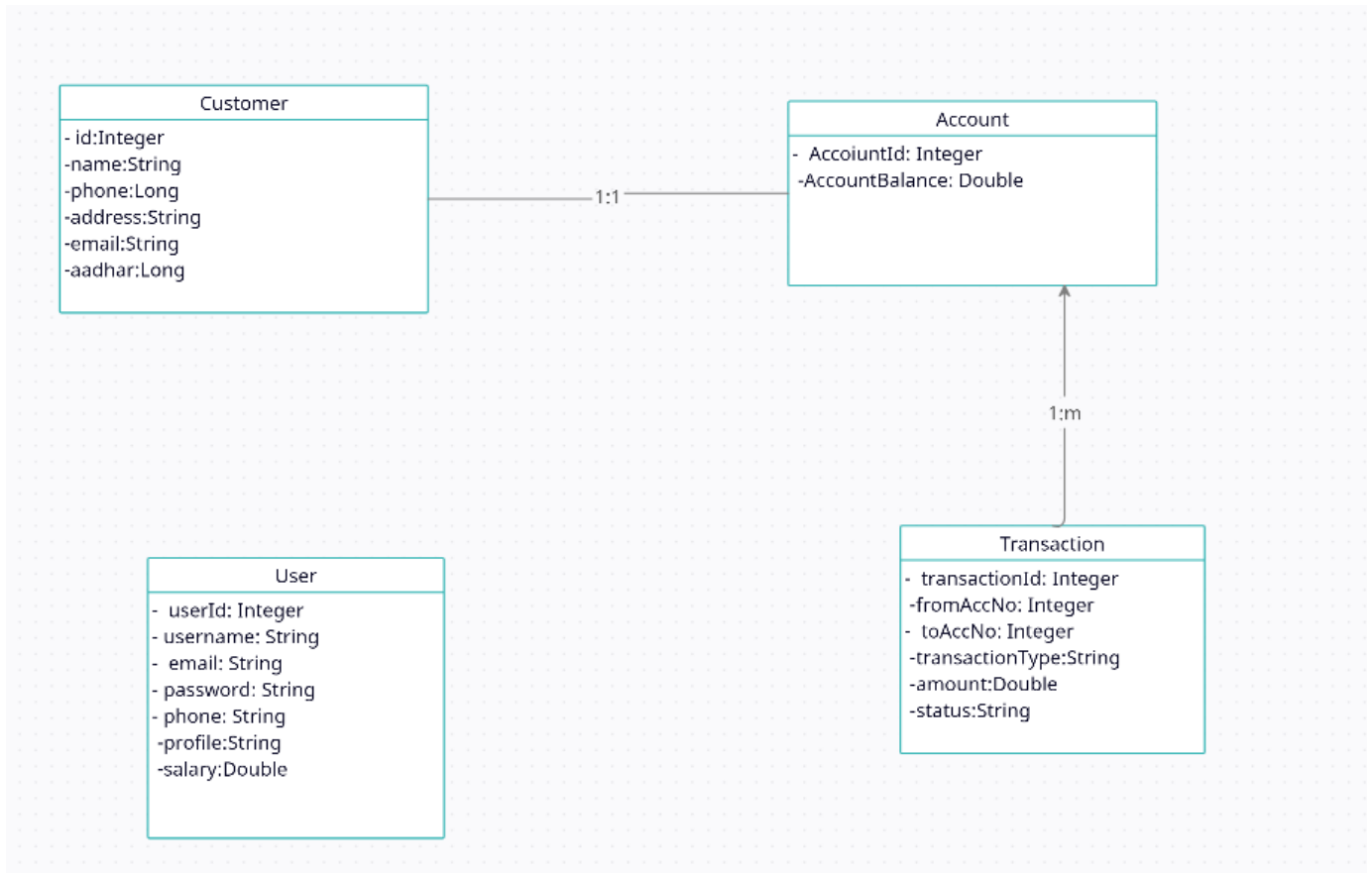
1 Actor : Actors are represented with a label naming actors role. There may be multiple actors in a diagram.

2 Use case : Represented as ellipse with a label inside, naming the use case. There may be multiple use cases in a diagram.

Actors represent the role that a user might play where each role is represented separately. Actor and Use case names must be unique with in a diagram. A use case describe the activity that is possible. It have several instances of activity throughout it's life time. In Banking application clerk or employee need to login first before he/she could perform any operations.

4.2 Class Diagram

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CHAPTER -5

TECHNOLOGIES USED IN PROJECT

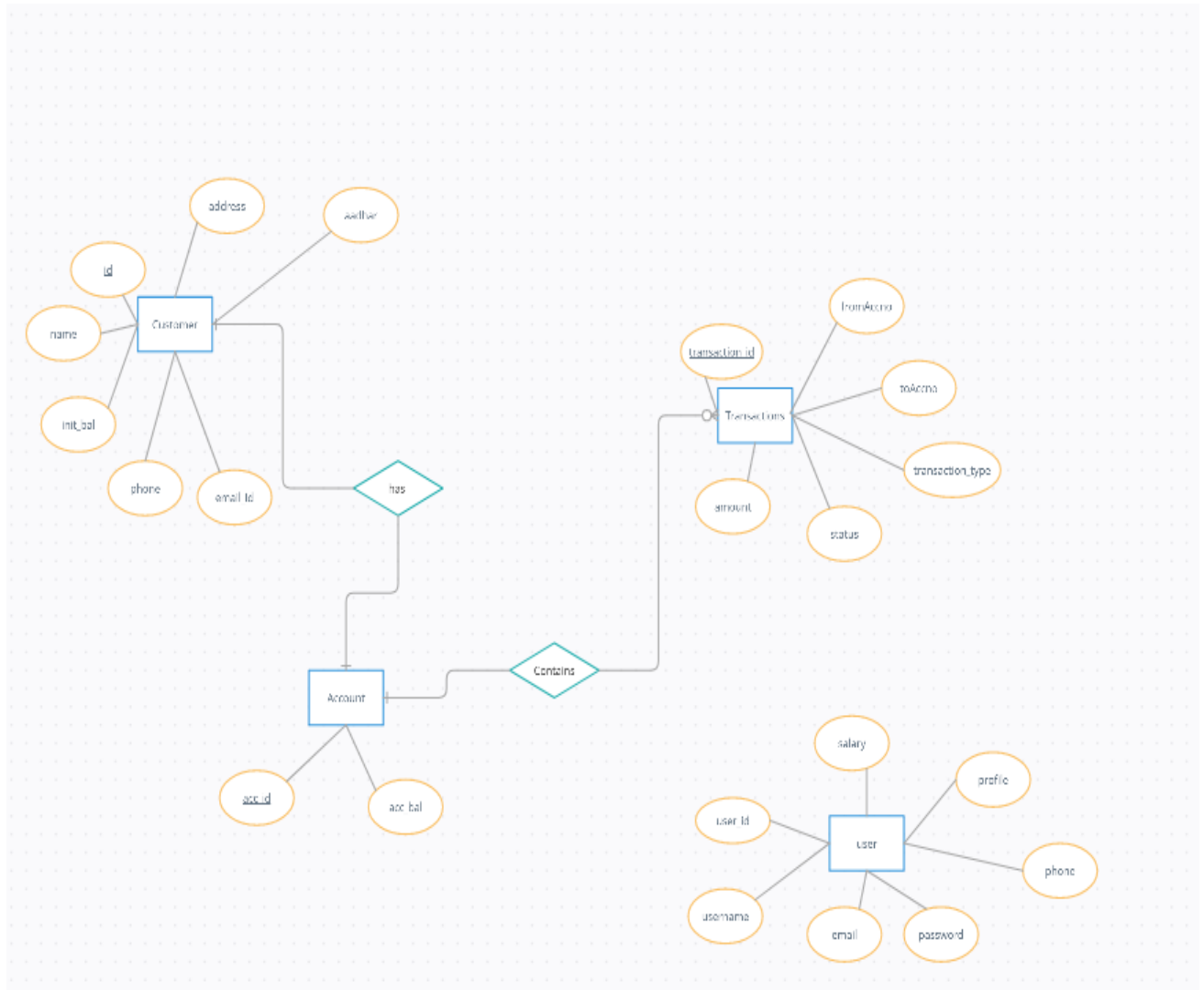
- JAVA 8
- Spring Boot
- Maven
- Spring Security
- My-sql database
- Spring data-jpa
- Hibernate
- JSP

Limitations

- Issues of security
- Technical glitch

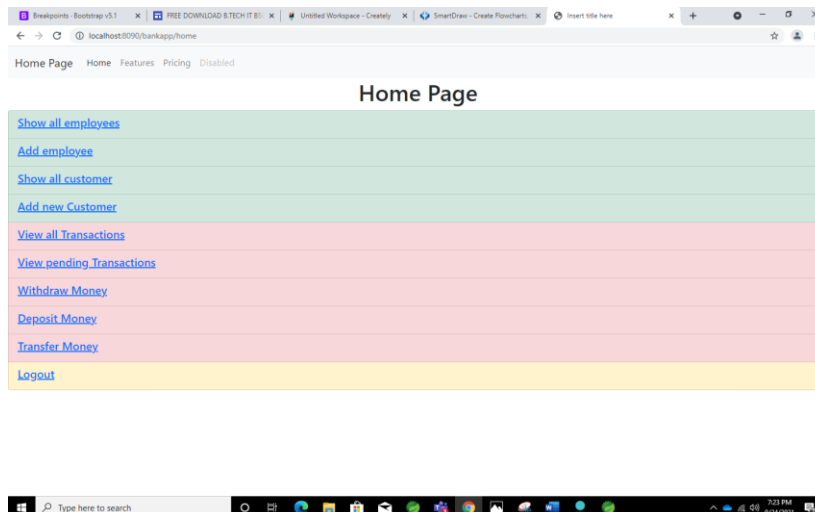
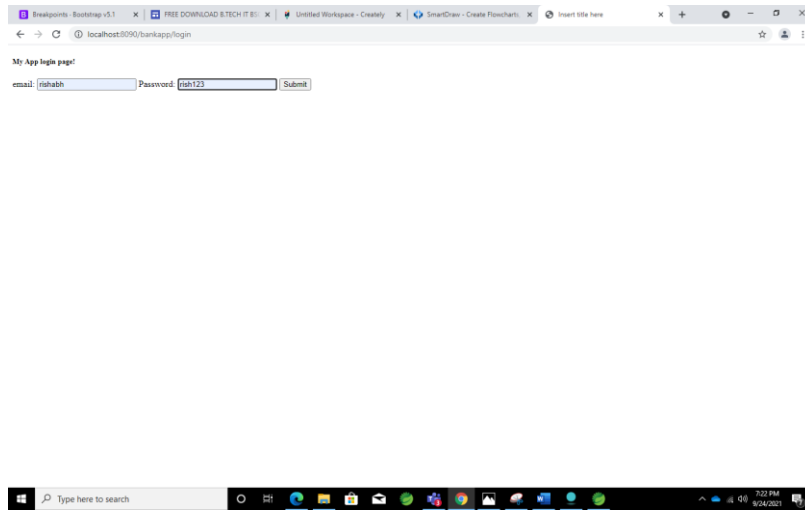
CHAPTER-6 (ER Diagram)

An entity relationship diagram (ERD), also known as an entity relationship model, is a graphical representation that depicts relationships among people, objects, places, concepts or events within an information technology system.



CHAPTER-7

WORKING SCREENSHOTS



Breakpoints - Bootstrap v5.1 x FREE DOWNLOAD B.TECH IT B x Untitled Workspace - Creately x SmartDraw - Create Flowcharts x Insert title here

localhost:8090/bankapp/user/showAllEmployees

employeeId	employeeUsername	employeeEmail	employeePhone	salary	update	delete
1	rajnikant	kant@gmail.com	45443	5004.0	update	delete
4	raj	raj@gmail.com	2524	10000.0	update	delete

[Add new Employee](#)



Breakpoints - Bootstrap v5.1 x FREE DOWNLOAD B.TECH IT B x Untitled Workspace - Creately x SmartDraw - Create Flowcharts x Insert title here

localhost:8090/bankapp/user/addEmployee

Enter employee username cant be empty

Enter employee email cant be empty

Enter employee password cant be empty

Enter employee phone number cant be empty

Enter employee salary cant be null



breakpoints - Bootstrap v5.1 x FREE DOWNLOAD B.TECH IT B x Untitled Workspace - Creately x SmartDraw - Create Flowcharts x Insert title here

localhost:8090/bankapp/transaction/showAllTransactions

transactionId	fromAccountNumber	toAccountNumber	amount	transactionType	status
1	self	1	100.0	DEPOSIT	SUCCESS
2	1	self	50.0	WITHDRAW	SUCCESS
3	1	self	50.0	WITHDRAW	SUCCESS
4	2	1	100.0	TRANSFER	SUCCESS
5	3	1	100.0	TRANSFER	SUCCESS
6	self	3	200.0	DEPOSIT	SUCCESS
7	3	self	50.0	WITHDRAW	SUCCESS
8	self	1	300000.0	DEPOSIT	SUCCESS
9	self	1	50000.0	DEPOSIT	SUCCESS
10	self	1	100.0	DEPOSIT	SUCCESS
11	self	2	100.0	DEPOSIT	SUCCESS
12	2	self	100.0	WITHDRAW	SUCCESS
13	4	2	500.0	TRANSFER	SUCCESS
14	1	2	260000.0	TRANSFER	SUCCESS
15	1	3	800.0	TRANSFER	SUCCESS
16	self	1	800.0	DEPOSIT	SUCCESS
17	self	1	200.0	DEPOSIT	SUCCESS
18	self	1	1000.0	DEPOSIT	SUCCESS
19	self	1	1000.0	DEPOSIT	SUCCESS
20	1	self	1000.0	WITHDRAW	SUCCESS
21	3	self	50.0	WITHDRAW	SUCCESS

[Home Page](#)



breakpoints - Bootstrap v5.1 x FREE DOWNLOAD B.TECH IT B x Untitled Workspace - Creately x SmartDraw - Create Flowcharts x Pending Transaction

localhost:8090/bankapp/transaction/pendingTransaction

Showing the Pending Transaction here

Transaction Id	Transaction from Account Number	Transaction to Account Number	Transaction Amount	Transaction Type	Transaction Status	Transaction Approve	Transaction Reject
22	2	1	210000.0	TRANSFER	PENDING	Approve	Reject

[Want to view all the Transactions of the account](#)

[Home Page](#)



Breakpoints - Bootstrap v5.1 x FREE DOWNLOAD B.TECH IT B x Untitled Workspace - Creately x SmartDraw - Create Flowcharts x Insert title here

localhost:8090/bankapp/transaction/transferMoney

Enter from AccountNumber fromAccountNumber cant left blank

Enter to AccountNumber toAccountNumber cant left blank

Enter transfer amount amount cant left blank



Breakpoints - Bootstrap v5.1 x FREE DOWNLOAD B.TECH IT B x Untitled Workspace - Creately x SmartDraw - Create Flowcharts x Insert title here

localhost:8090/bankapp/login?logout=success

My App login page!

Logged Out Successfully

email: Password:



References

- <https://docs.spring.io/spring-boot/docs/current/reference/htmlsingle/>
- <https://www.javatpoint.com/jsp-tutorial>