Banking Management System

V1.0

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Java Mode 2 HCL Training – Final Case Study

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# 

# Use Case:

## 

Banking Management System

UI (Angular) Service (SpringBoot) Database

Login

## Image result for mysql database image

User Service

Admin

Register

Transaction Service

Transaction

View Transaction

## Database Design:

### Role Table:

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Constraints** |
| ROLEID | Int | Primary key |
| ROLE | Varchar(10) | Not null |

## Schema:

|  |  |
| --- | --- |
| ROLEID | ROLENAME |
| 1 | ADMIN |
| 2 | USER |

# 

# User Interface:

## Login:

### On Login Page:

Server URL: <http://localhost:8089/login>

Server Request: {“EmailId”: “user01”, “Password" :"user@123"}

Server Response: {“msg”:“success”} – http status –ok

Welcome to Banking Management System

Login

<EmailId>

<password>

Login

Reset

Zzz

### 

### On Login Page:Error 1

Welcome to Banking Management System

Login

<EmailId>

<password>

Login

Reset

### On Login Page:Error 2

User Account is invalid

Welcome to Banking Management System

Login

<EmailId>

<password>

Login

Reset

Password should not be empty

EmailId should not be empty

## Register:

Register

Full Name

Password

Account Type

Date Of Birth

Email Id

AccountId

Welcome to Banking Management System

Register



Role

Reset

Register

Pan Card

Aadhar Card

Phone No

### Registration Error:

### When no data is filled but clicked on register button

Full Name

Password

Account Type

Date Of Birth

Email Id

AccountId

Welcome to Banking Management System

Registration page cannot be empty

Register

Role

Reset

Register

Pan Card

Aadhar Card

Phone No

# After Successful Login

### Clicking on Account Details

Update Details

ViewTransactions

Welcome to B Management System

Account Details

Welcome User01

Logout

Make Transaction

Welcome to Banking Management System

Account Details:

Welcome User01

Logout

Balance: XXX

Full Name : XXX

Account Id: XXX

### Clicking on Make Transaction:

Welcome to Banking Management System

Pay

Transaction Id: XXX

Welcome User01

Logout

New Transaction:

To: XXX

Amount: XXX

### Error Page:

Welcome to Banking Management System

Pay

Transaction Id: XXX

Welcome User01

Logout

Account Number is invalid

New Transaction:

To: XXX

Amount: XXX

### Clicking on View Transaction:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TransId | TransDate | From | To | TransAmount |
|  |  |  |  |  |

View Transaction:

Welcome to Banking Management System

Welcome User01

Logout

### Update Details:

Update

Enter New Phone Number:

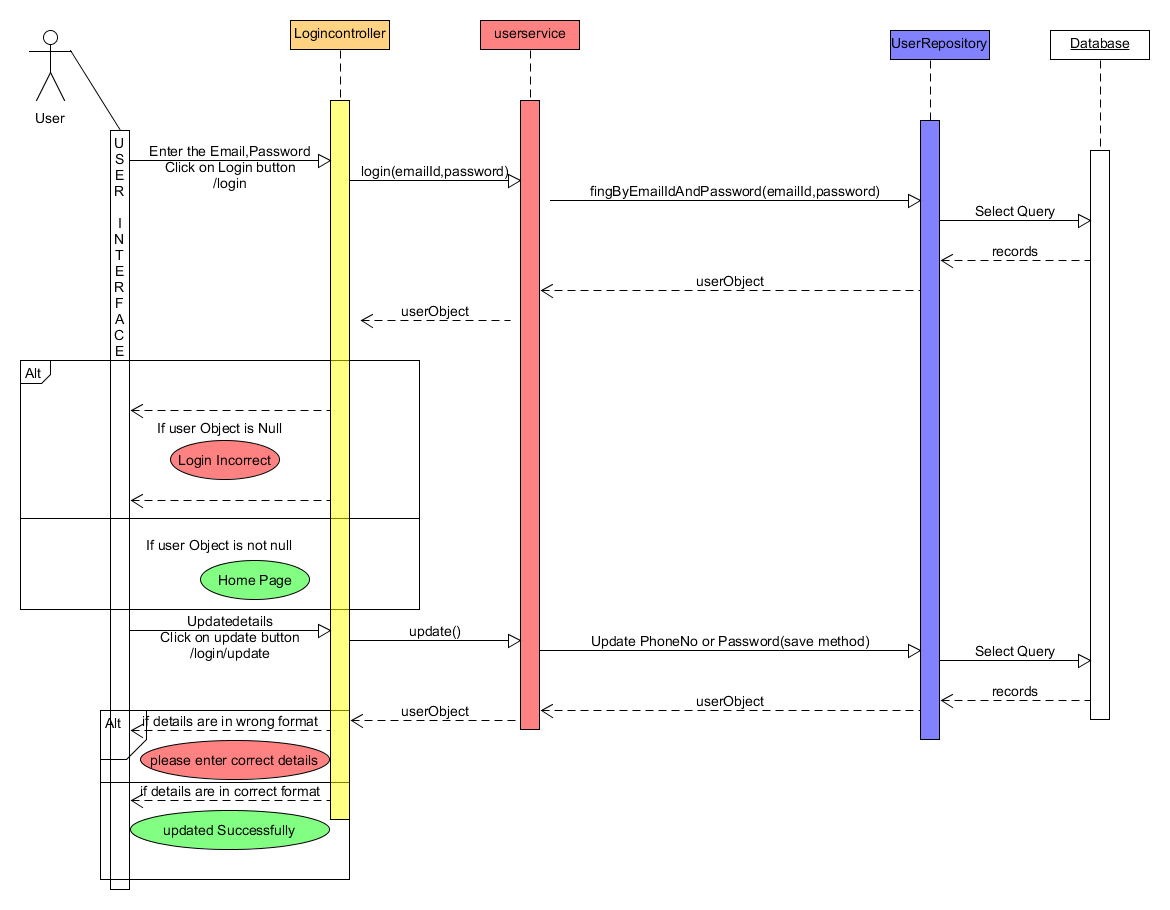
Enter New Password:

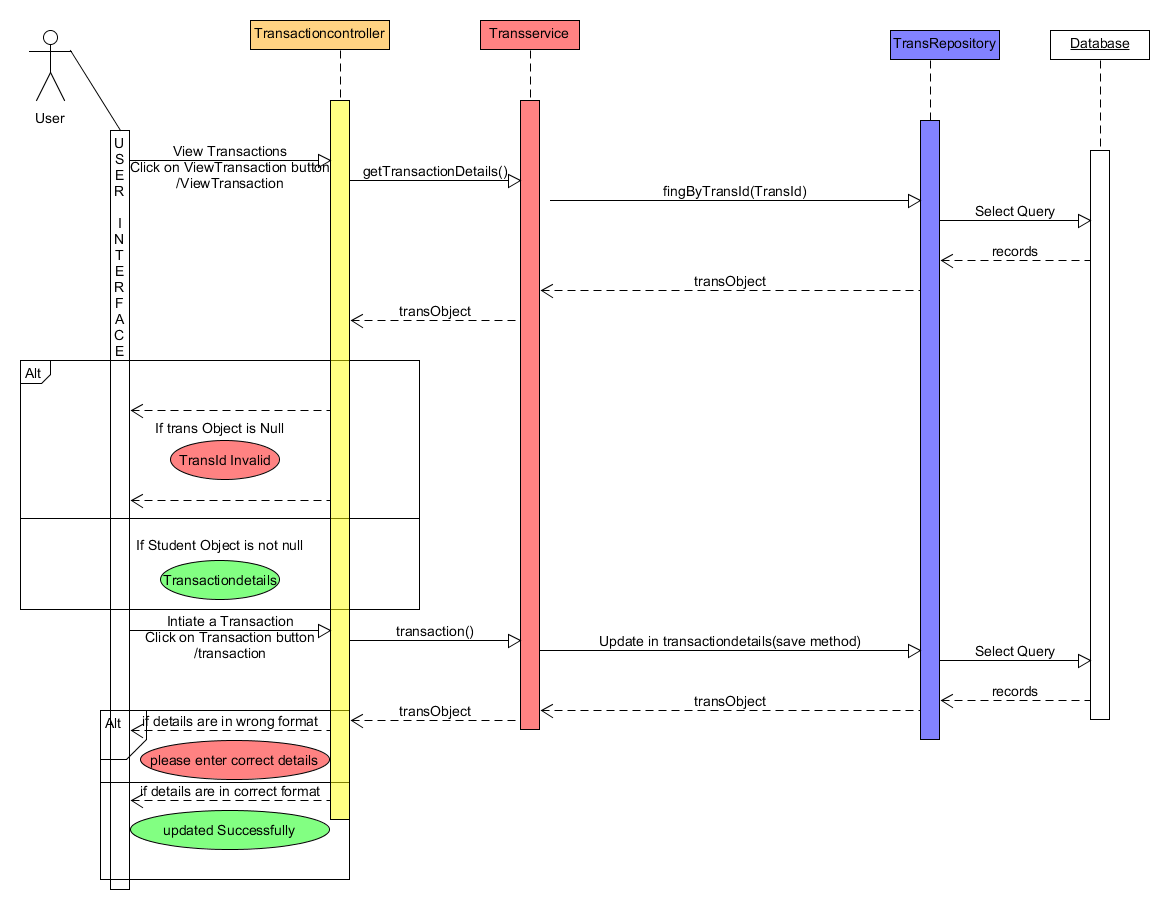
Welcome to Banking Management System

Welcome User01

Logout

# Class Diagrams:





# Sequence Diagram:

