CITI BRIDGE PROGRAM
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Sanctions Screening of Payments Transactions

Group No.
(1)

Mentor
Harsh Singhal

Group Members :

Sr. no	NAME	EMAIL ID
1	Gargi Joshi	gargi.joshi@cumminscollege.in
2	Rutuja Ghorpade	rutuja.p.ghorpade@cumminscollege.in
3	Shivani Mohankumar	shivani.mohankumar@cumminscollege.in
4	Mansi Indore	mansi.indore@cumminscollege.in
5.	Yamini Dagoankar	yamini.dongaonkar@cumminscollege.in

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1. INTRODUCTION

1.1 OVERVIEW OF THE PROJECT :

Sanctioning is a measure to prevent transactions with a person prohibited from certain transactions and activities with the help of screening. Hence, financial institutes use sanction screening.

Sanctions Screening of Payments Transactions involves identifying the right individuals and organizations by having verification and validations of individuals and organizations details. The software being developed for this project maintains a transaction record of users and blacklisted people. It validates and verifies the payer and the payee of a transaction before approving or rejecting it.

1.2 PROJECT OBJECTIVES:

The software should perform sanction screening on payments and thus show sanctioned and not sanctioned individuals/organizations.

1.3 PROJECT SCOPE

The software fetches the user details from the uploaded file. Validations are applied to fetched data as payer and payee may have entered invalid names, transactions wrong amounts, etc.

If the data is validated only then it is further sent for sanction screening.

A UI component is used to display whether the transaction has passed or failed the sanction screening.

1.4 ASSIGNMENTS OF ROLES AND RESPONSIBILITIES

a-Front end

- Shivani Mohankumar
- Mansi Indore

b-Database

- Yamini Dongaonkar

c-Back-end

- Gargi Joshi
- Rutuja Ghorpade

d-Connectivity

- Gargi Joshi

e-Documentation

- Mansi Indore
- Shivani Mohankumar

f-Presentation

- Yamini Dongaonkar
- Rutuja Ghorpade

2. REQUIREMENTS SPECIFICATIONS

Technologies used are MySQL Database, CSS and HTML.
MySQL is used to store transactions, transaction ID, amount, date, etc.
Tomcat server is used for validation and sanctioning the transactions and displaying the required information(UI).

a)Software Required

• Tools: **Eclipse EE,**
• Database: **MySQL**
• **Apache Tomcat Server**

b) Technologies Used

- CSS
- HTML
- JavaScript
- Spring Boot framework

2.2 ANALYSIS:

Sanctions Screening of Payments Transactions

a) Users can upload transaction details in .csv file format.
b) Validations are performed on transaction details.
c) Screen provides status after screening of transactions which is case insensitive.
c) User can view all transactions, valid transactions and sanctioned transactions.
d) User cannot change any fields on screen.

3. EXTRA FEATURES

- Login Page
- Sanctioning on name and account number
- Report Generation
- Archives
- Redundant transactions from multiple files is not accepted

4. DEFINITIONS

FIELD NAME	DESCRIPTION	VALIDATION
Sanction	To prevent transactions with a person prohibited from certain transactions.	
Transaction	A bank transaction is any money that moves in or out of your bank account.	
Transaction Reference id	Unique reference number to identify the transaction	Unique alpha-numeric string
Value Date	Date to impact the transaction	Format-DDMMYY
Payer Name	Name of the account to debit the account	Alpha-numeric string
Payer Account#	Account number to debit the account	Alpha-numeric string
Payee Name	Name of the account to credit the amount	Alpha-numeric string
Payee Account#	Account number to credit the amount	Alpha-numeric string
Amount	Amount in INR	10 digit and 2 decimal and cannot be negative

5. FUNCTIONALITY

- **Login Page**: The login page allows a user to gain access to the application by entering their username and password.The user name is in the format of First initial, last initial and five random numbers**(SOE ID)**..

- **Upload File:** The user can upload a file in **csv** format from his local directory. The data is then loaded into the database and validations are performed on it

- **Validation:** The validations are performed on various fields like transaction id for unique alphanumeric string, payer name & account, payee name & account for alphanumeric string and amount to be in 10 digit and 2 decimal which cannot be negative.The data is then labeled as validation passed and failed.

- **Sanctioning:** Sanctioning is a measure to prevent transactions with a person prohibited from certain transactions and activities with the help of screening.Sanctions Screening of Payments Transactions involves identifying the right individuals and organizations by having verification and validations of individuals and organizations details.

- **Filtering:** Allows users to filter data according to his/her needs and helps decrease the search time needed.

- **Archives**: Displays a list files that have been uploaded to the database.Users can access the transactions of individual files.

- **Report Generation**: Analysis of data with sanctioned status is provided to the user with additional features such as viewing in full screen, report downloading in various formats and printing.

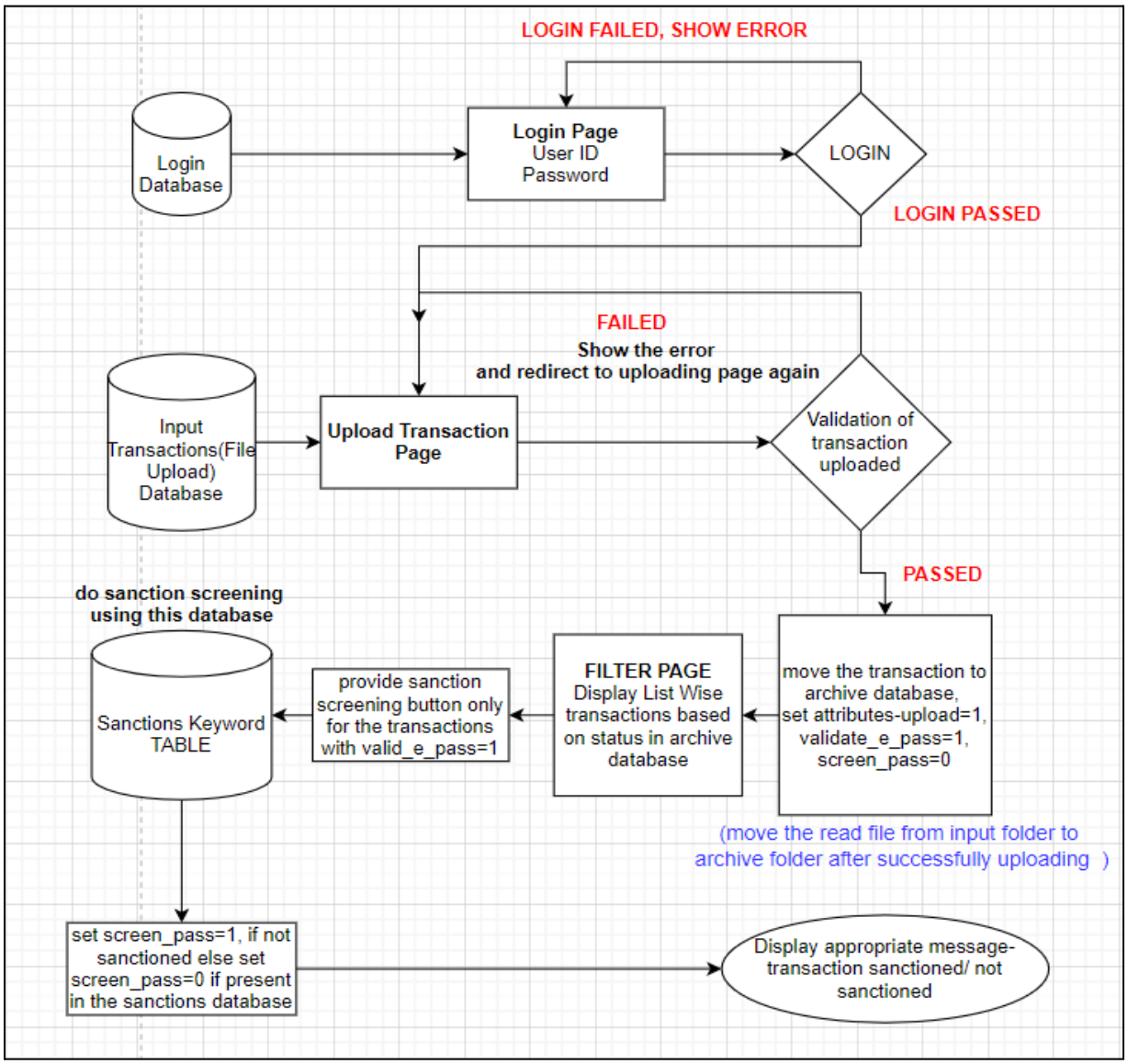
6. ASSUMPTIONS

1.The accounts are registered by the administrator and the user does not create an account.

2.The username is in the format of SOE ID(First initial, last initial and five random numbers).

3. The files uploaded are in csv format.

7. DATA FLOW DIAGRAM:



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