Citi Bridge

(6th Edition, 2022)
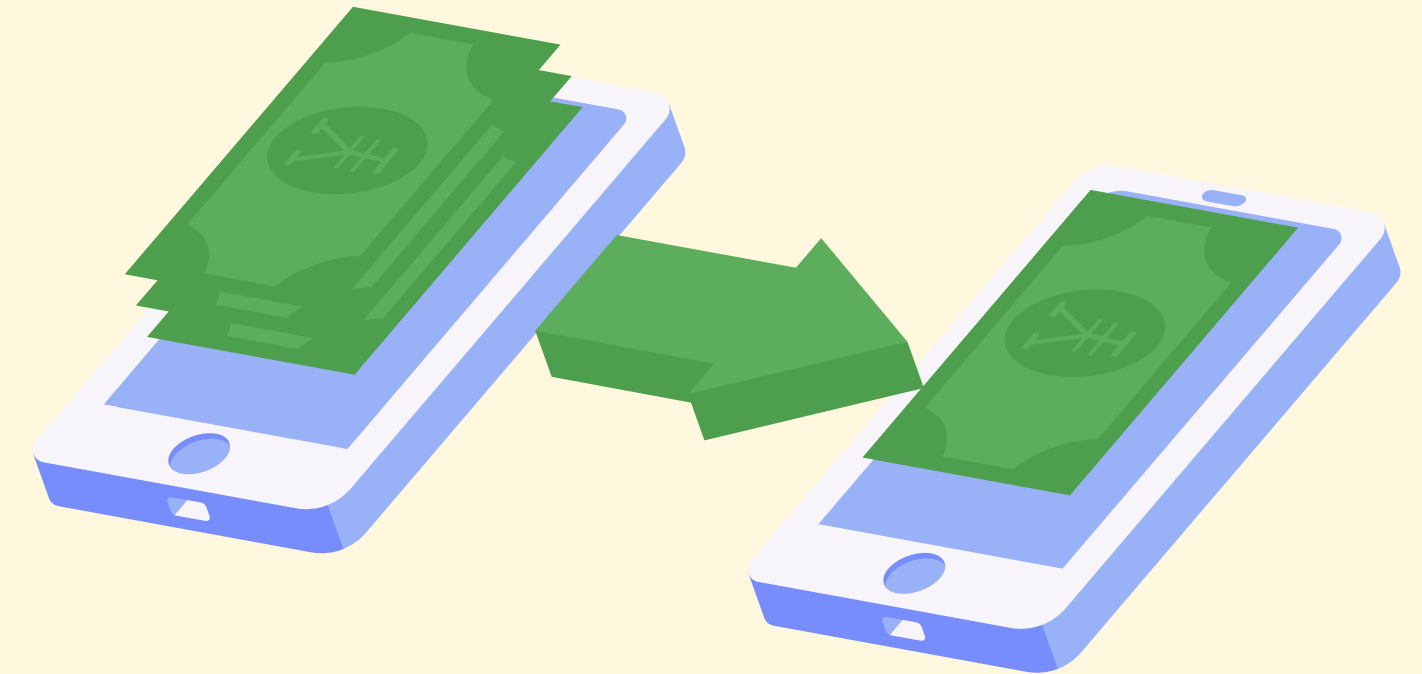
Group 19

Ananya Joshi

Prachi Narlawar

Samruddhi Deode

Swati Borse

Isha Shivalkar

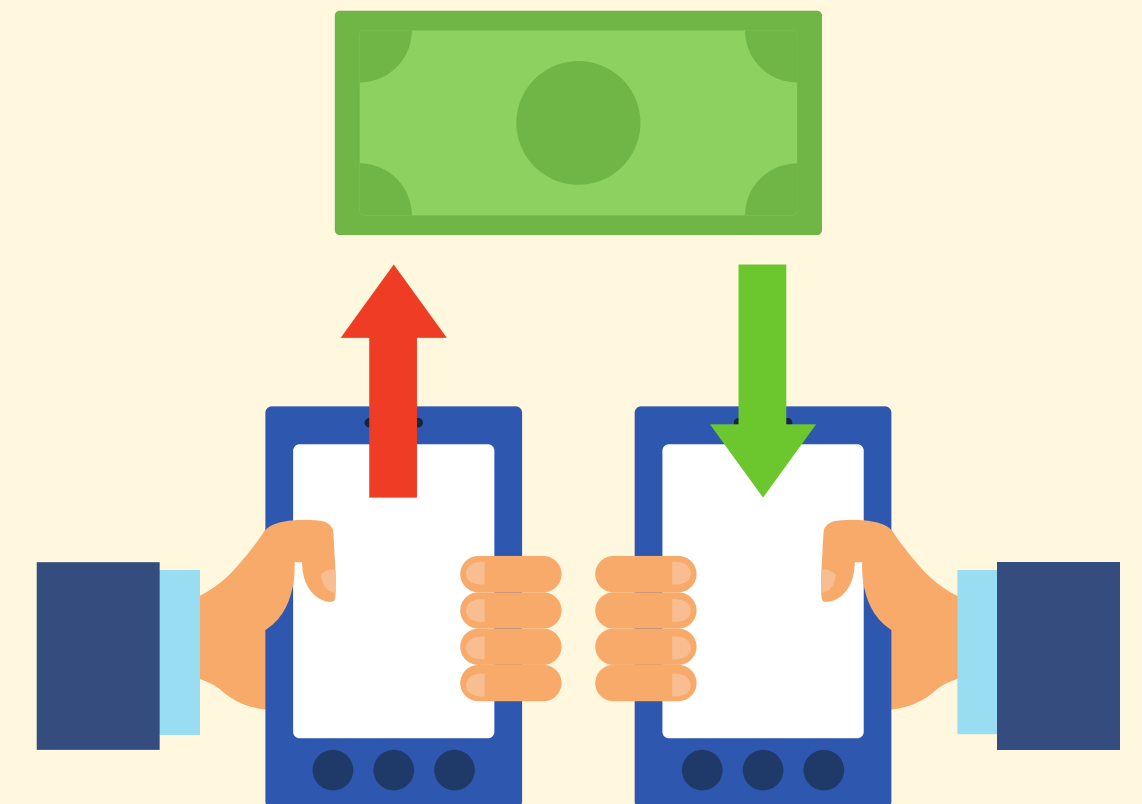Mentor: Jatin Varshney

Clearing Feed Generation System

Project Objective

To simulate the clearing feed generator in banking system that processes the input transaction records. It generates the feed file towards the clearing system containing the valid transactions in the required format.
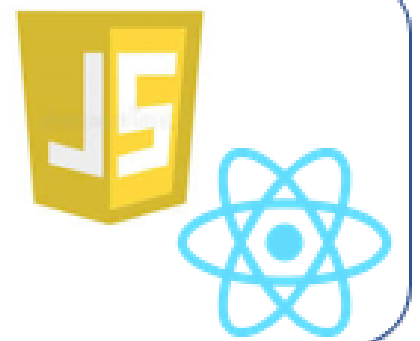
Clearing Feed Generator

Tech Stack

"

Technology, like art is a soaring exercise of the human imagination

"

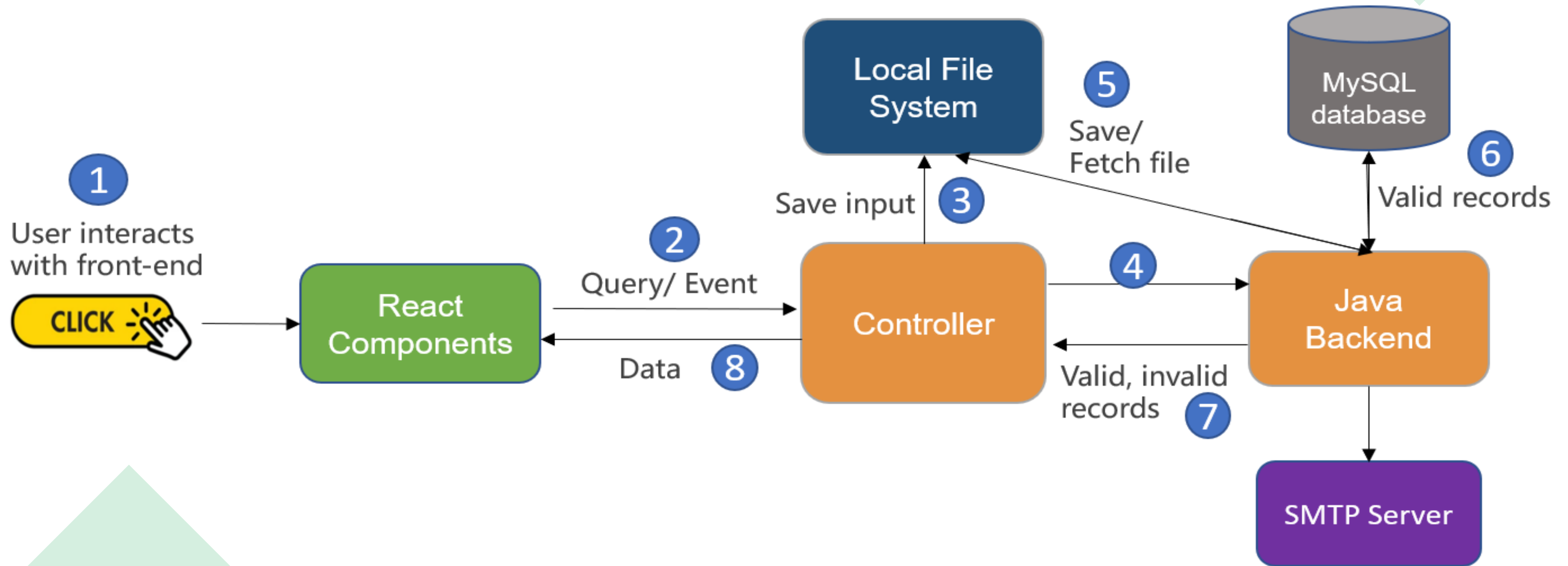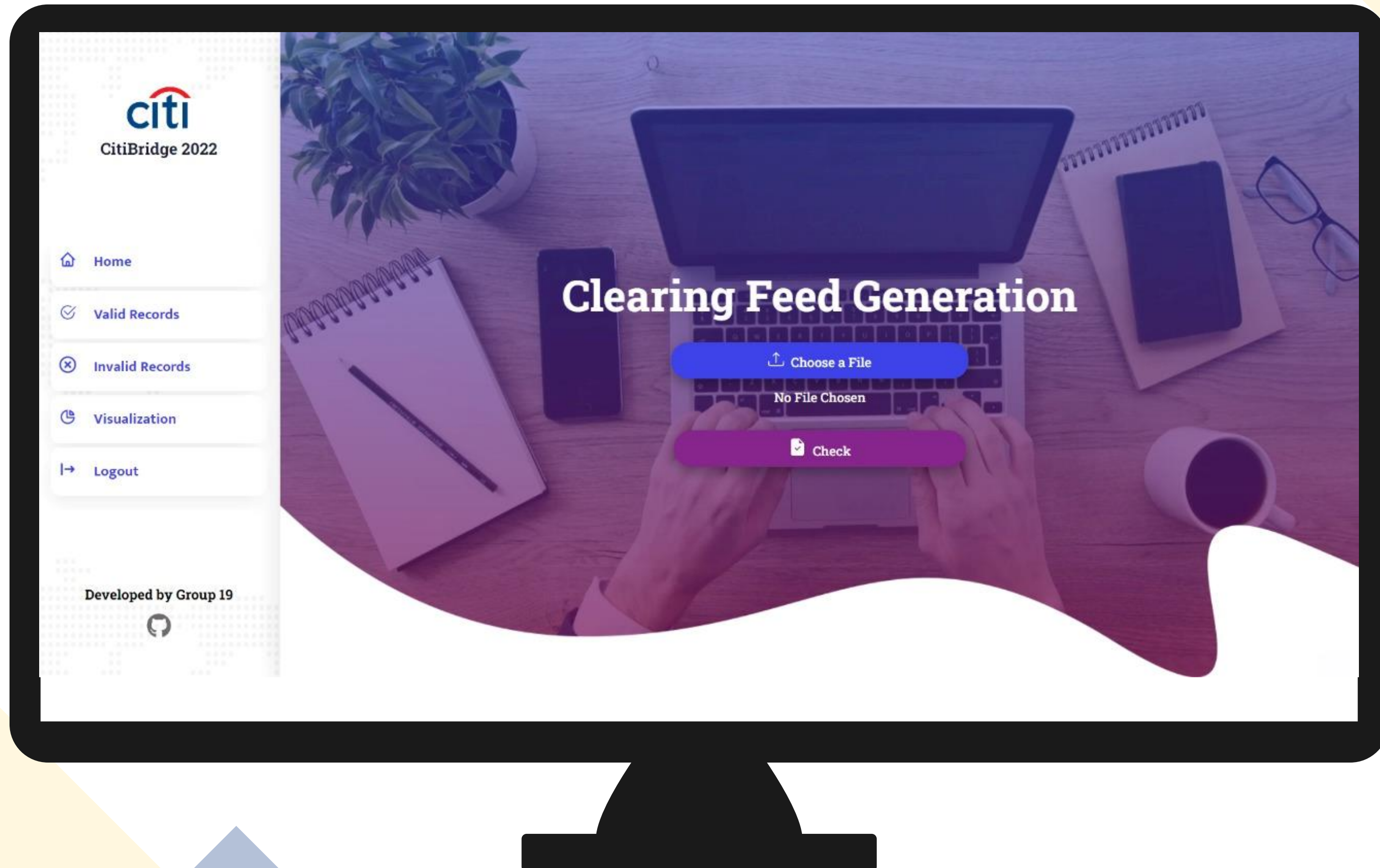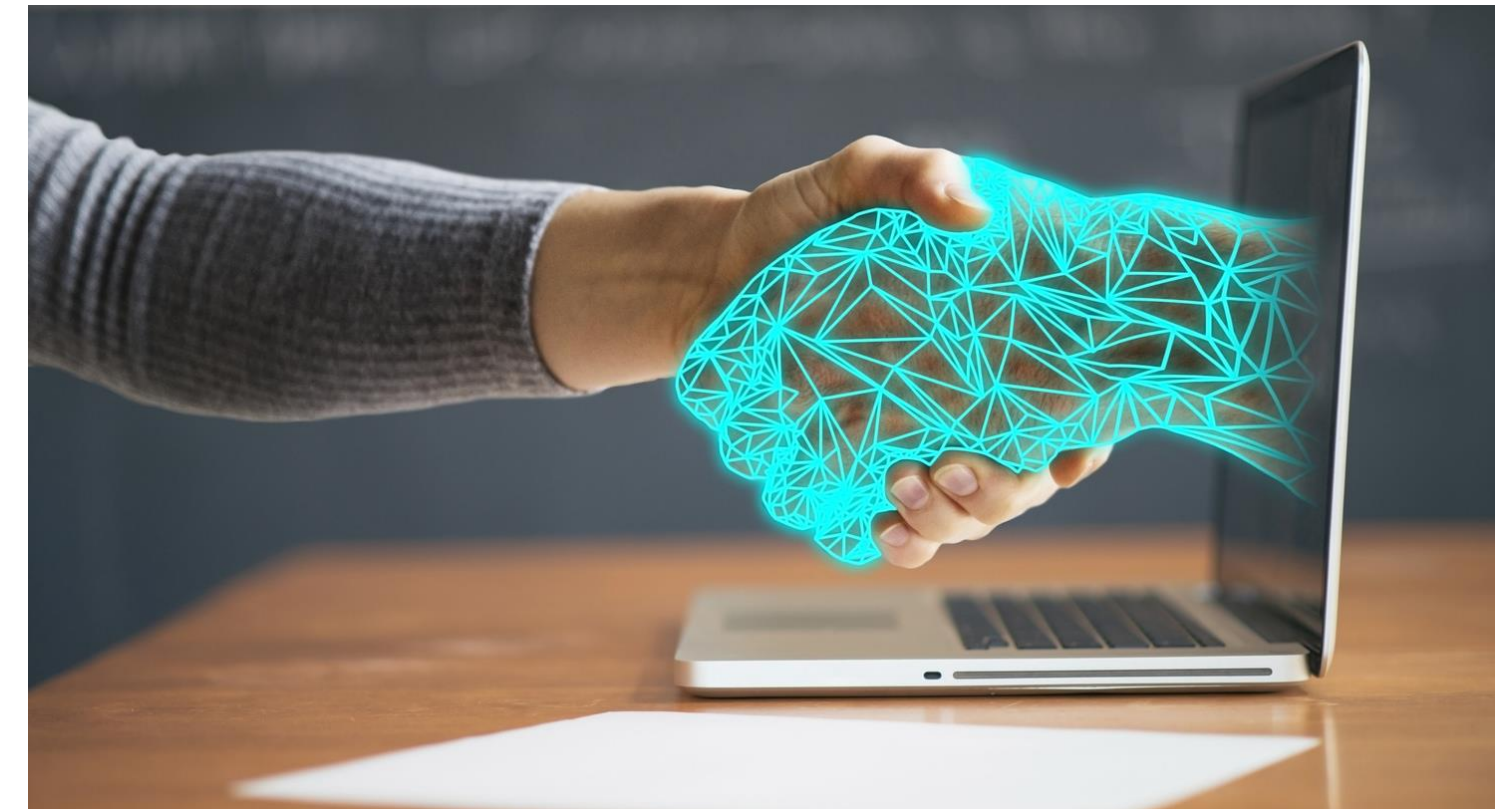| Frontend | ReactJS, JavaScript, CSS3 | |
Backend	Java, Java Servlet, Spring Boot	
Database	MySQL	
Server	Apache Tomcat	

System Diagram

Let's see the Project in Action!

Key Benefits

- **Automates** the validation process of transaction records
- Higher **visibility** into the clearing feed generation pipeline
- **Easy remote access** to stakeholders
- **Quick insights** and **visualization** of the input data validity

Learnings

01.

Technical Skills

- New technologies: React, Spring Boot
- Well-structured, modularized coding
- JUnit Testing

02.

Team Spirit

- Distribution of work
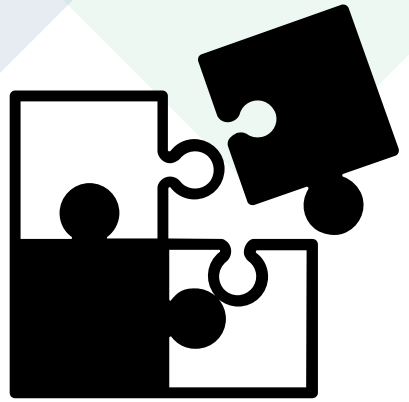- Efficient time utilization
- Presentation skills

03.

Financial Knowledge

- Financial jargons
- Insights into Citi business model
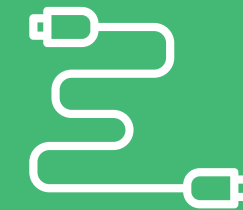- Transaction clearance system

Challenges

Diverse Tech Stack

Choosing suitable technologies from multiple options, Unfamiliarity with Spring Boot

Error resolution and code optimization

Resolving technical errors in code, optimizing the functions

Code integration and merge conflicts

Difficulties faced while integrating the front-end to the back-end

Group Coordination

Constraints over effective collaboration in the virtual setup
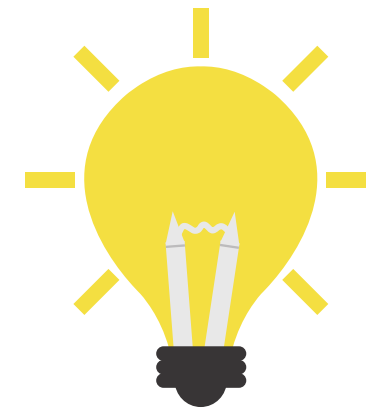
Future Scope 🚀

History Tab

UI screen that allows the user to access the last 5 validation results

Smart Features

Smart prediction or auto rectification of certain types of errors

Transaction History Analysis

Weekly/ monthly analysis reports based on the transaction history stored in a database

Email Report

Feature of a daily email report containing the count of valid and invalid transactions

Conclusion

- If the submitted transaction data matches the required format, only then the transaction is considered valid and gets forwarded to the clearing system.

- The clearing feed generator acts as a mediator in validating transactions.

- The system generates the valid-feed file, which serves as the input to the clearing system.

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The Team

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Questions?
Q A

Contact Us

If you have any suggestions/ queries, feel free to reach out!

✉

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