**Softeware Requirements Specification for Clearing feed generation**.

**Group No: 1**

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**1. INTRODUCTION**

**1.1 Overview**

System generates the feed file towards clearing system in a specific format based on the input transactions to the system.it maintains a state model for transaction management system. It consists of uploading the file, validating it and generating a feed. This document will give the overview of the functionality of the product. It describes the requirements and is used to establish a context for the technical requirements specification.

**1.2 Project Objective**

Generates the feed file towards clearing system in a specific format based on the input transactions to the system.

**1.3 Project Scope**

The purpose of the system is to generate the feed file towards clearing system in in a specific format based on the input transactions to the system. Perform validations on the input text file consisting transaction. Transaction consists of fields such as reference, date, payer name, payer Account, payee name, payee account, amount etc. System provides UI to show all transactions that have valid transactions. Transaction file management is not in scope.

**2. REQUIREMENTS SPECIFICATIONS**

**Software Required**

•Back-end: Eclipse

• Apache Tomcat Server

**Technologies Used**

\* HTML

\* JAVA

\* Java Servlet

\* Java server page

**3. SYSTEM DESCRIPTIPON**

First of all, system polls the local folder to pick up input transaction file. Then performs the validations according to given constraint. It checks record length, number of fields within a record, field length, date format, currency format. System provides a function to generate a clearing feed file having valid transaction in specified format. Spring tool suit is used to perform mentioned operation.java servlet is used for server side extension. Java server page insert java code in HTML pages by making use of special JSP tags. To deploy and run Java Server Pages, a compatible web server with a servlet container Apache Tomcat is required. System provides UI to show all the transactions that have been validated successfully.

**4. Future Scope**

The overall transactions of a day can be uploaded on cloud and shown on a graph with a successful and failed rate of transactions. All the transactions can be stored using database and can be analysed on weekly or monthly basis**.**

We can also make log file so every time when we upload the file it all data from files will get stored into the log files

**5. CONCLUSION**

If your submitted data for the transactions is as per the norms of both the involved clients, only then will your transaction be considered successful. Clearing feed acts as a mediator in validating transactions. After clearing feed, the validFeed.txt file is generated which will have valid transactions.

**6. Source code URL**

<https://github.com/sursegayatri/CitiBridge2019_Team1>