

Software Requirement Specification (SRS) on Credit Card Processing System:

1. Introduction:

The credit card processing system is used to ~~manage~~^{manage} credit card details of a bank and the usage of the credit card owned by the bank's customer.

2. Problem Statement:

Offline credit card processing involves collecting order information, storing it in a database and manually entering it.

This method is highly insecure as the hackers may easily gain access to the credit card details which may lead to higher frauds.

3. Scope:

The credit card processing system is used by various banks all over the world to process the credit card details and their transactions of their customers. The ~~online~~ credit card processing system is very simple to use and hence has lead to many people using it all over the world. This helps in bringing in great amounts of profit to bank.

4. Functional Requirements:

4.1 Administrator:

- 4.1.1 The administrator should be able to control the entire database and keep track of all records of customers and employee details.
- 4.1.2 The administrator should be able to contact the vendors and give permission to sell their products under the site.

4.2 Customers:

- 4.2.1 Customer should be able to sign up by creating user ID with mobile number and email-ID.
- 4.2.2 Customer should be able to login each time with the valid credentials.
- 4.2.3 He/she should be able to view/edit his personal details.
- 4.2.4 Customer should be able to contact customer support service.

5. Non-functional Requirements:

- 5.1 Safety: The system shall not cause any harm to customers.
- 5.2 Security: The database of the user should be secure and other users should not be able to modify the system.

5.3 Performance: The system should support multiple customers to access the database ~~at~~ simultaneously.

5.4 Robustness: The system should be able to handle the failure in payments.

6. Domain Requirements:

6.1 The credit card system should be able to authenticate and authorize the transactions.

6.2 The system ~~must~~ ^{should} be able to detect frauds.

6.3 The system should be integrated with a secure payment gateway such as PCI PSS standard.

6.4 The system should be able to track the transactions and provide reports frequently.

6.5 The system should have a data backup and recovery management system.