

# Software Requirement Specification(SRS)

## 1 Introduction:

- 1.1 **Purpose of this Document:**The purpose of this document is to define the requirements for the development of a credit card processing system that allows users to make secure and reliable payments using their credit cards. The system should be easy to use and compatible with existing platforms. It should also process transactions in real-time and allow users to manage their transactions.
- 1.2 **Scope of this document** – The credit card processing system will allow users to make payments using their credit cards. It will support various credit card types and process transactions in real-time. The system will also provide users with the ability to manage their transactions and view their payment history.
- 1.3 **Overview** – The credit card processing system will be a web-based application that provides users with a simple and intuitive interface. The system will be compatible with existing platforms and will be accessible through a web browser. The system will provide users with the ability to make payments, view their payment history, and manage their transactions.

## 2 General description:

**The credit card processing system will provide the following functionality:**

- Allow users to make payments using their credit cards
- Support various credit card types
- Process transactions in real-time
- Provide users with the ability to manage their transactions
- Allow users to view their payment history
- Provide users with a simple and intuitive interface

### **Functional Requirements:**

**The credit card processing system will provide the following functional requirements:**

- Allow users to input their credit card information
- Validate credit card information
- Process payment transactions in real-time
- Store transaction information in a secure database
- Provide users with the ability to view their payment history
- Allow users to manage their transactions

- 3 **Interface Requirements:** The credit card processing system will be a web-based application that will be compatible with existing platforms. It will provide users with a simple and intuitive interface that can be accessed through a web browser. The system will also be compatible with various payment gateways.

**Performance Requirements:** The credit card processing system will process transactions in real-time with a high degree of accuracy and reliability. It will also be able to handle a large number of transactions simultaneously.

- 4 **Design Constraints:** The credit card processing system will need to comply with various security standards, including PCI DSS compliance. The system will also need to be designed to be scalable and easily maintainable.
- 5 **Non-Functional Attributes:** The credit card processing system will need to provide a high level of security and reliability. It will also need to be designed to be easily scalable and maintainable. Additionally, the system will need to be designed to be easily integrated with other systems.
- 6 **Preliminary Schedule and Budget:** The development of the credit card processing system is expected to take 6 months and will require a budget of Rs. 500,000.