

> SRS for Credit Card Processing System. [CCPS]

- Goal: Develop a Software Interface for CCPS.

1. Introduction:

- Purpose: To outline the specifications & requirements for development of CCPS, serving as guide for stakeholders & users.
- Scope: Defines the objectives & overview of CCPS, emphasising secure & efficient credit card transaction handling.
- Overview: Describes the system's purpose in facilitating secure credit card transactions for merchants.

2. General Description:

Facilitates credit card transaction authorization, settlement, customer management & integration with payment gateways.

3. Functional Requirements:

- Authorization: Verifies credit card info. validity
- Settlement: Captures funds from authorized transactions
- Customer Management: Registers new customers, manages accounts & payment methods.
- Integration: Integrates with payment gateway & also supports various payment methods.

4. Interface Requirements:

- User Interface: Provides an intuitive interface for merchants with secure login.
- System Interface: Integrates with external services via API's using secure communication protocols.

5. Performance Requirements:

- Response Time: Ensures quick transaction processing & scalability.
- Reliability: Maintains reliable transaction processing with minimal downtime.

6. Design Constraints:

- Security: Complies with industry standards such as the PCI DSS & encrypts sensitive data.
- Compliance: Adheres to regulatory requirements like CCPA & GDPR.

7. Non-Functional Attributes:

- Scalability: Scales to accommodate transaction volume.
- Portability: Compatible with various platforms & offers cloud deployment options.

8. Preliminary Schedule & Budget:

Estimated to take 9 months with budget of \$100,000 covering requirements gathering, design, implementation, testing & deployment.

*For
Sluts*