* SRS for Credit Card Processing :-

Problem statement :- Credit card processing sfm require upgrading to ensure smooth transactions, secur and compliance with industry standards.

Goal : The goal is to estimate credit card processing sfm's to facilitate smooth transactions while ensuring security and compliance with industry st

① Introduction :

- **Purpose :** Outline CCPS development specifications.

- **Scope :** Define objectives customer value, cost & time line

- **Overview :** CCPS facilitates real-time authorization settlement, customer management and integrates securely with payment gateways.

② General description :

- **Authorization :** Verify credit card validity, conduct real-time transaction

- **Settlement :** Capture funds, generate receipts, manage transactions.

- **Customer management :** Register, update, manage customer accounts.

- **Integration :** Integrate with payment gateways. Support various payment methods.

③ Functional Requirements :-

- Authorization :
- Settlement :
- Customer management
- Integration

④ **Interface Requirements:**

- User Interface: Intuitive interface for merchants, secure login.

- System Interfaces: Integration with payment gateway via secure API's.

⑤ **Performance Requirement:**

- Response Time: Quick response for authorizing transactions, processing payments.

- Reliability: Reliable transaction processing, minimal downtime.

⑥ **Design Constraints:**

- Security: Compliance with PCI DSS, encryption of payment data

- Compliance: Adherence to GDPR and CCPA, regular compliance audits.

⑦ **Non-Functional Attributes:**

- Scalability: Scale to accommodate growth in transaction volume, user base

- Portability: Compatibility with various OS, hardware platforms, cloud deployment options.

⑧ **Preliminary Schedule and Budget:**

- Estimated Development Time: 9 months.

- Budget: Appox $100,000.

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