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Credit Card processing System:

Problem - Statement: Creating a Credit Card processing which helps people making successful transactions efficiently and securely without the fear of losing the money.

Scope: online shopping, hotels, malls, and other region.

Functional

- Card validation
- Card type
- transaction settlement
- Refund
- History information

non-functional

- Security
- usability
- availability
- Scalability

Domain requirement

- Secure Card data storage & transmission
- support multi credit Card type
- Comply with credit Card Company rules

Classes: Credit Card, Transaction, payment gateway, merchant, payment method.