4) caedit card management system

* problem statement:

To development of a secure and afficient system that manages credit could accounts, transactions & instomer data while preventing fraud and ensuring regulatory compliance

SES document Introduction

* purpose of the document:

To define the defailed software nequinements & system specifications for the credit card warageneest system, guiding development and ensuring stakeholder alignment

* Scope of the document: Covers credit card account creation, transmition processing, billing, paying, fraud detection, user authentication, suporting, & integration with banking

* ouernier:

The system facilitates managing crudit card lifecule including issuance, transaction monitoring, payment processing & customer support through a secure web inteleface.

* General discription:

- * Hardles enstoner account management. tremsaction authorization, billing cycle. payment processing, brand detection about & compliance reporting

- supports multiple user roles; admes, customer service sups, and customers provides APII for sitegration with banks & payment gaterrays & Functional requirements -> User authentication & rede management - credit eard application processing & approval workflows - real time brassaction authorization & recording -> Billing statement generation & delivery
 - -> pregment processing & account balance updates
 - Frank detection & alert system
 - Reporting module for transactions & account summaries
 - & Interface requirements:
 - -> web based UI accessible on desktops & mobile devices
 - Integration API's for banks, payment gaterray. & credit busians
 - Secure communication via HTTPS
 - -) Hardware support for card readers if needed
 - * Performance requirements
 - support upto 10000 concurrent was with I sub-second becaucition authorization
 - Generate killing Hatements cuitin I hour of cycle and
 - 99.9% system availability
 - alirls Real Hove fraud detection with unitain garnade

* Design Constraints: - must comply with PCI DSS -> Use severypted storage for sensitive data -> Compatible with existing booking infrastructure -> Support wedular authitecture for future sealability & Non functional requirements. - high security & date privacy - ver friendly & accurible interface System must be scalable to accomedate gravoing users & transactione - Reliable backey & disaster successery mechanisms - Maintainability with modular cale & dounientition * Pocelininary schedule à Bydget cetimoti - Kequirument analysis - 3 weeks > System durgen 4 weeks - Development 10 weeks Teshing 4 weeks peployment - 2 weeks - Budget estimation: 25-30 lakhs