. SRS for Credit cased Processing. 1 Introduction: 1.1 Pusposi the pulpose of this system is to inable secure, efficient and aumare processing of credit card transactions by customus, murchants and banks. the system will reduce manual arrors prevent trand and maintain finantial transaction integrity 1.2. Document Conventions: the term shall indicates mandatory requirements. and should indicates desirable but optional feature functional requirements are simple with shall tun Non-functional are stated with time, auuracy and reliability 1.3. Intended Audience -Acrelopus - implementation -Testes- requirement validation - staft - usage - Instructors - project evaluation 1.4 Product Scope: It provides and-to- and platform for Randling payment requests . It includes transaction althori zation, travel detection, settlement and reposting Future scalability for mobile wallets and globas payment network is also considered. 15 References: - IEEE SEE Standard · VISO, Master Card, and American Express. API integr - MIST Cybersecurity standownds for finantial xystems 3. Overall Description 21. Product Perspective: The system acts as middlemare by murchants. issuing banks, and acquiring wanks.

2 2. User classes and characteristics -- Hischart initiates payment - customes provides/ ordain could info -Bank system validates and authorize 23 Product Jeatures: - validate credit and entered - Forward the request of bank authorization - Generate daily transaction supports for auditing 24 Operating Ennienment - 05: windows Linux - Database: MUSGL - Secure communication via HTTPs 3.5 Disign and implimentation constraints: - Compliance with PCI DSS standards. - Secure data transmussion - Real time transaction complete J-3 xec - High system availability. 3 84s tem Features: 31. Functional requirements: - shall routidate card dutails entired. - shall request authorization from bank. - shall notify murchants of transaction success of failure - shall generate suports 32 Now functional requirements: - shall ensure 9991 uptime. -shall support transaction boads - shall provide response times of under 3000. - shall log all activities for security 3-2 Domain requirements. - must comply with finantial regulations

must integrate with existing gateways. must support multiple ensucherts. - must matritain transaction 3.4 External Requirements--User Interfalle - web & mobile platform Hardware. Software, communication intégace. Banking intesface real time communication. A Appendix: A 1. Acronyms: - PCIDSS-Payment Card industry data security standard. - cvv- card verification value 4.2. Gloss ary: -Authorization - Approval of a transaction by bank fraud detection identify sus picious. -energy tion securing bensitive data. a commendate marginal manifest and on office I the property of other property ADDRESSED OF THE RAIS FORTH