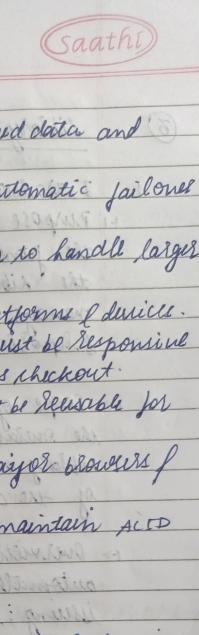
22/8/25 Date ___/__/__ a redit and Processing system 1 Introduction 1.1 Purpose: The purpose of this SRS document is to define the Sequirements for the Gredithard Processing System This system will securely handle isedit card transactions including authorization, sittlement, refunds and pland detection system document shall include and define the outall working and opliations of the system 1.3. One will : The Wedit Card Processing System is a software solution that will punction as an intermediar lettueller muchants and jinancial institutions. It will validate card details, process payments securely and provide faud pluntion mechanisms 2. General Description : The Well cold placesing cystem well cated to the needs of sustopiers, merchants and administrators providing a midelleware solution sonnecting merchanis to banke 3. Functional requirements. 3.1. Transaction Management · validade audit card details (number, in exply date) · Authorize of decline transactions within 2 seconds. 3.2. Settlement of Ryund Management. · Batch settlements with banks at conjugurable intervals and generate suports of the same. Allow jull and partial rejunds.

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33 Fland detection of Alests · Flag suspicious transactions using paid detection · generate real time alets for users. · support integration with external flavol detection sirvice. 4. Interface requirements · Mischants: pashboard to will transactions, initiale Rejunds and generate Receipts I audit logs.

Customers secure hosted payment form • Integration with bank of payment galway.

• Integration with pand detection API's 5. Priformance requirements 5.1 Reponse time: transaction authorization must complete within 2 seconds under normal load. 52 Scalabelity. The system must support atleast 10000 contarient transactions so Data Integrity: All financial transactions must be recorded atomically to plunent duplication flore 6. Obsign vonstlaint 61 Herdware hunitations sust operate on cloud hosted inflastructures week auto-scaling of legical redundant servers for high availability. 6.2. Software himitations: Must support secure APT integration and adequate frameworks which prohibit stolage of LVV after the ansaction



Non Functional attributes Il security: AES enveyption for stored data and tokenization of card numbers. 32 Reliability : system must possess automatic failoner and disastes recovery 33 Scalabelity support juture expansion to handle larger number of transactions 24 Poltabelety support multiple platforms (derices. 75 Usabelity: Merchant dashboard must be responsive and user friendly of ensure seamless theckout. The Alusability for components must be securable for apprent merchants.

The Costs Tutersite of Samuelian must be securable for duices. 2-8 Data Integrity: + ransactions must maintain ACD 8 Prebininary schedule & Budget The development of credit Cald Plocusing Cystem is estimated to take 20 weeks weeth a bindget of \$100000 which includes project planning, development flisting I deployment phases. General description The bibliog Managament Legition with the best of the bibliograph with the column of the bounder of the bibliograph of the bibli intelface that suplaces manual such slight with an authorited digital platform. Functional requirements en a pak catally nanagement

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