CREDIT CARD PROCESSING SYSTEM

SOFTWARE REQUIREMENTS SPECIFICATION

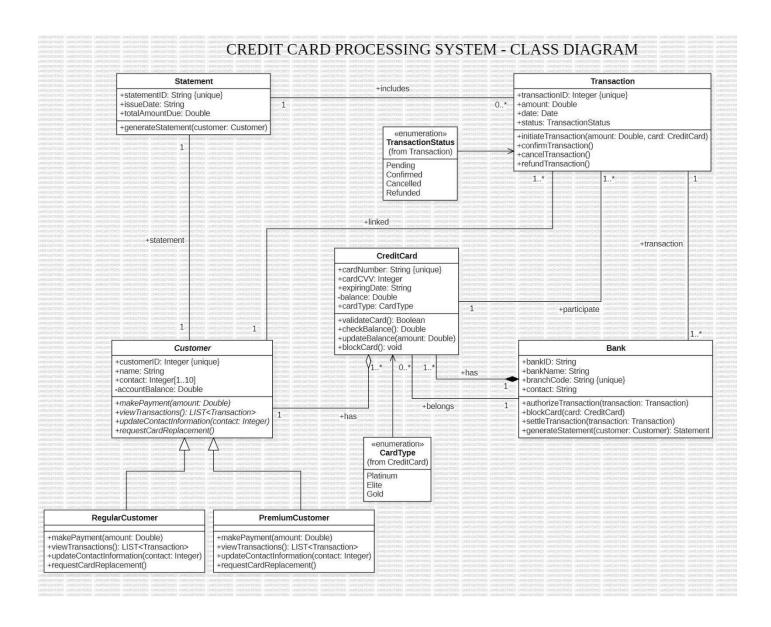
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SOFTWARE REQUIREMENTS SPECIFICATION	2. General Description : It strong is
easily to belowing it to save all shipsold up	21 Hone De ton 2 Hone ton the
· FOR CREDITY CARD PROCESSING SYSTEM	201 User Objectives: The system should
exa Budget	enable merchants to quickly and democily
1. Introduction	enable merchants to quickly and securely process credit card transactions manage
(expose) e mostlor stromore inports	Aransaction records, generate reports
1.1 ruspose of this bocument: This document	SCHOOL STATE ON THE
defines the ground comente from a cost	
system's functionality perfarinance experts	2.9 glier Charter of to a 7
system's functionality perfarmance experiation and disign continuates serious as a	2.2 User characteristics: The system will be
comprehensive quilde fair the development team.	wed by cashiers, stare managers, and
	accounting personnel each with variety
2 1.2 scope of this Document: This document of	The sustand should allow a first for it
encompasses the functional and non-invitarial	Interface with approve to access controled
enginements far the credit Card porcussing	The system should offer a liver friendly Interface with appropriate access controle
system, Producting VI specifications, Lournsouth powershing dotally security posttonals, and Interface sequicaments from Interface series of the payment gaterious and cloarks	23 features : when All sommer bons
proceeding details security pristocols, and	The state of the same of the s
Interface organizaments foor Interacting with	· Transaction Processing: Process credit card
external systems like payment gatings	authorizations, captures, refunds, and
and alkanks privings but trongulated ,	authorizations; captures, refunds, and
1.3 Dieconview: The credit round processing	· Security: Implement robust security measure
13 Diegneren: The credit rand processing	to protect sensitive candholder data and
signify with the subult and lower softwall	a see of the constant
enotating longer to account	Reconciliant and Reconciliation of digneral
coldet cand payments forom customers.	Joseph Commission Comm
the manage to ansaction authorization	easy seconcitation with some stragetion
eredit cand payments forom customers. It will manage transaction authorization, settlement, and reconciliation processes while	· Integration: Browsde Afis as integration capabilities for seamless connections with other business styltems, such as 90 s terminals and accounting software.
adhering to industry security standards, particularly the payment could Industry Data security standard (PCR DSS)	eagabilities for seamer such as POS
particularly the payment could Industry	other business of accounting software.
pala security standard (PCR DSS)	Fernands are accounting

Benefite: The system will storeamline the payment process, reduce processing costs. Emprove cash flow, minimize ithe sick of fraudulent departactions; and enhance customer stout. 3 functional Requirements: 3 Functional Requirements: 31 Pransaction brocasting: The system shall support various cool types, shall perform the authorization properties to appropriate cool retrosports. 32 Security: The system shall enough all sensitive coold detailed at a riest and in town shall cut tokenization to pepalar actual coold number with unique tokens during processing. 32 Repositive and Reconciliation: The system shall generate dotailed transaction supports, including date them, amount, each type and authorization status. 34 Integration: The system shall office these outliness dystems, announce stands approaching authorization supports, announce with other leathers.	41 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Interface Requirements: Alson Britosphie: The system shall possessed a deektop and mobile devices Asymmet Gaterdays for securic communication and southing Banks: To facilitate the seconst fand networks; for devariations authorized on and settlement. Performance Requirements Deansaction brousing speed: The system should be scalability: The isystem should be highly available, Jacqueting an aprime of and processing. Sucher Availability: The isystem should be scalable and processing. Scalability: The system should be scalable to handle increasing townsaction volumes.
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	Deta d
6 Design Constraints:	Page
	8 Poselininary alchedule and Budget
Al Locusition Constitution of the best	Januarile and Bridget
condition of the system must	8-1 coche dulo . The
compy south the plument could industry	take 6 mouths 1 project is estimated to
hala security standard (PCI DSS) to entire	8-1 eschedule: The parajert is assimated to take 6 months, Josephan into key phases:
the secure handling of could't cand	o Rome our to the
61 Security Compliance: The system must comply with the permint could Industry that security standard (PCI DSS) to entire othe secure handling of could't could sufformation.	o Requisionements gathering (2 necks). O Destan Phase (2 month)
62 degal and Regulation Requisionments of the	Development Phase (3 month)
62 degal and fegulation Requirements. The	· Development Phase (3 month)
and regulationy requirements related to	· Deployment and deraining (2 weeks)
conditioned somewish and the	· Post - deployment suppost (a weeks)
conditioned perocesting in the segions where	The state of the s
Commence with the mention with a	&2 Bridget: The total estimated budget is \$150,000, allowated as follows:
7 No. C to 1 de paralles, han ing	\$150,000 allocated as follows:
7. Non-Functional Attorbuty:	s wife offe his hundred and also and all
71 Securet. Simunimon manageries 3	· Requirements gathering: \$ 15000
7.1 Security. Strongering in mountained 12	· lesign Phase: \$25,000
with and a book orthogen weithourself 12	· Deiselopment Phase: \$80,000
7.2 Reliablish reliabilish stands	o Testus Phase : & 20,000
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7.3 Alsabellety.	o Deployment and dealning \$7,500 o Post - doployment hyposod: \$3,500
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	Confidenced	
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Validate Coold took (sold)	Instiate Gransaction ()	
checkBalance U Material Ast	confirm Dansaction ()	
updateBalancel) de las belongs	cancel Transactiony	
John Jolock Card Javan days	Sufund Diansaction ()	
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contact: Int Westownship of the	Joranch Code: Storing	
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make fayment () (100 dress)	authorize Dransaction !	
view Transaction ()	Jotock Cardl)	
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request land Replacement ()	generate Statement 1)	
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total Amount Due, De	puble	
generate statement ()		
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