peroblem statement:

web application just hold susurvations we will take the selection critoria from uson and display the hotels list for user basing on the Uniterior Manual hotel management is slow, Evenon-phone, and Ineffice so can automoded system is needed to handle bookings, bill and customer neconds effectively

SRS (software orequisionent specification.)

Interoduction:

- . D purpose of the Downent: This document shows the need ton a hotel management system. It explains why the system is nequined and what it will do jost the hotel staff and customers
- 5 scope of the document: managing theck in theck out, billing and stuff coonciliation will save time, enduce Egoson, and impriore customer satisfaction. It will also me duce papermonk and mare dat and saison
- @ overview: The system is a software product that have hold sorvices line nescravation, billing, automor details and stall grecognols in one place.

a. General description. The system will allow customer to book mooms. (ande bookings: and nequest sorvices stall fair manage moons check guset details, generale, bills, and boundle payments. The system is important because it makes hotel management justor, accurate and usor-priendly 3. Functional Requisionents. * Room booking and cancellation

* Check - in and check-out management. * customen details stomage.

* room avilability chees: * Billing and payment process. * statt details management

Reposit generation (daily monthly) 4. Interface mequinements

* user login jun stay and admin. x customer booking interpare. Consine / offline.

- payment galway connection.

* Databak connection 1097 storing details

* Report Export in PDF lexicl.

5 : per joannance giequignements

Fast booking confirmation within scionds.

recure doda stograge

handle multiple bookings at the same time.

6. Design Constanaints

we works only on specific handware / software environment

Internet connection oriquiped too online booking

* Limited by database storage capacity.:

7. Non-junctional attentibutes

x security (data protection, login authentication).

Reliability (system should work without mashes)

scalability (suppost small to large hotels)

postability (should work on desktop & mobile).

Usability (Easy Jun. staff to-leaven and we)

pareliminary schedule and Budget: week

The Perojed will take about 3-4 months to develop Cost depends on team size and nesource, Estimated around medium butget level.

Remarks estimated jost Component coding design to 2.00,000 Sattware development · mysal 50,000 Survers; greater Dalabar stup Handware & networking 80,000 Haff faining M tenaining & documentation Bug likes & with Maintenaix

Conedit cound - process

-penoblem statement: Manual undit cond handling is inscure and so so an automated system is needed to ensure rate tout for neliable transaction processing.

SRS

O Interoduction: This document Explains why a credit cand o pumpose of this document: processing system is orquined and how it will help in secu and just payment handling.

Venification, Israed detection, billing and Israevaction history.

He will improve security, neduce Encroses and allow smooth. tonamaction ton customer and morchants.

The system is software that parocess, this document of softmore reduinement. & pecification contains the function reduinement the case identification and the non-functional nequipments. The non-tunctional or equipments would be tocured at a generate detail in a beariner based development Envisionment.

as Groneral Description: medits. If them the cond details, validades were identity. appreva on nejects the Imansaction, and update moonds. Menchante can trade payments and customers can view statements

3. Functional organizaments (and verification (number, Expiry) * secure authentication (PINIOTP) * payment approval on nejection * Foraud detection and alcosts. * Billing and monthly statements.

* Transaction history storage

* Report generation too were merchants 4. Interjace requinements. * uson intentace pon conholders (web/mobile app) * morchant interpre 1091 payment acceptance. Bank server conviction for authorization x payment gateway integination - Dajabar 1021 tenansition storiage 5. Penjonmance enquinements. Transaction approval in less than 5 seconds Seime and Educal - Pause Danciering * Handle thousands a transaction at once. + High avilability (24/4 upline) & Low failure grate. 6. Duign constanaints. · Must pollow banking / linancial standards (PC DSS)

Must pollow banking | Imancial standards (PCI DSS

Require secure encryption for data transfer

Pependent on internet and bank server

Lep endent on internet and bank server

Handware & software must meet security needs

1. Non - Functional Attellace security (data Encryption forcust porwention) Reliability (system should never lose data) realability (supposit millions q uson) positability (work on multiple duices / platforms) 8. poseliminary & chedule and Budget. months with a still Methor 2,50,000 10,000 , software development 1,00.000 Databore setup handware & notwonking 40,000 15.000 * security & enuryption Licenses & tooks.

3. Library Management system

Problem statement : -" A system to manage books, members, and bosonowing sictumning

1 Interoduction :-

-> purpose of this document: - The purpose of this document is to define the nequinements for the library management system. It explains usby the up is necessary. Its objective, and how it will storamline library operation to as books issue . netwon . time calculation , and user management Scope of this document: - The library management system (1 Ms) is designed to automate library operation of students, staff and administration, The system perovides book management. User orgistration, issue I meturn hand time management, and oreport generation.

· Overview: The LMs is a centralised software application that allows to access book availability, bosonow and stellers books and manage stress admins can manage the library database, generate stepants, and trace into

a General description

The liberary management system allows students and stay to 50 begenere, oneverve, and oreturn books in an automated way. It oreplaces tradition manual method. Ensuring Efficiency, accumany and neduced emons.

Fast and Efficient Oibmany Immunaction.

* centralized management of accords

Automated line calculation

Fary reposit generation pos administration

Functional Requisements 1. Usen me management (Register, update, & detete wow & Assign notes) 2 Book managements (Add, Edit, delete and categorize books) Buch Scarch (search by title, author . ISBN . On category) 4. Issue and greturn books (forack books to some colion) Fine management (nuto-calculate tines 109 late outrons) . Resorvation system (Allow usons to moveme been already issued) Inventory management Clarack total number of books) Reports generation Notification system (Emails 1 sus alorts 1031 due dales) 10. Admin control panel Interprise Acquirements user interpare: Simple, monu-deriver interpare jon Ear quire. Handwar intoyou: - wents on desktop and local servors. Software interface: supposit integration with database Performance nequinements system must handle at least 200 concurrent were search nexults should, load in Coss than a seconds. Must supposed sult avilability with 99% cyline Data accuracy and ordinability must be maintained Design constancints Must nun on both windows & linux environments Should be developed using Java/python with soil dalabase Limited by stronge and network speed Non - functional attenibules Security: Secure login and acceu control postability: Run on multiple platforms Reliability: - Data backup and successfy Remability: code medides can be sound Scalability: system can handle tulum Expansion

8. <u>Procliminary schedule</u> and <u>budget</u> - Phase Description	Duration	Estimala
Requirement Requirement gathering & Jeasibility analysis study	2 weeks	20,000
system Design Databax scheme, UI design	3 weeks	30,000
3. Development Backend & tonontend implan entation	6 weeks	80,000
unit testing integralien tuling & bug testing	3 Welles	2500
5. Deployment.	2 weeks	15,000
6. Teraining & support	5 mecks	10,000
Total	18 weeks	1 7 80

Stock Maintenance System

problem stadement: - A system to manage product details.
though stock levels, and updade inventory efficiently

'y Introduction -- pumpose of this document: The pumpose of this document is to culling the originaments for the stock maintenance system. This system is intended to automate the foracking updating and monitoring a stan Sevels within an

on ganization.

1. Scape of this Document: The sms aims to stoneamline stock management 1091 wanchouse, shops on industries. The system will keep neconds a items. supplion, transactions. Cinward and outward) and automatically update 3lock levels

- Overview: - The sins is a centeralized software system that perovides stock level menitoring, purchase / rates tracking, and alert notification. when items meach minimum therestelds. It supposts grapost generation secure data management & Juliuse scalability to integrate with billing on accounting system

2. General Description

The stock maintenance system helps conganizations efficiently manage stack by automating the succonding of stock inflow (purchase) and outflow (solur) urage). It eliminates manual stock negistors and enables occal-time monitioning

3. Functional organisationents

- 1. Item management (Add. update, delete stock items)
- supplier management (manage supplier details)
- Stock inward (purchases) (Record purchase Israniactions)
- stous outwood (sales/usage)
- 5. Stock level monitoring.
- 6 Reporting system

- + notification system.
- . User management.
- 9 . Backup & sucovery
- 10 Integration-

4. Interpace enequiements

- * User interface: Easy to use dashboard with search & filter option
- Hundwase interpare: supposts desklos I horrices in a LAN Envisionment
- Software interace: Dalaban (Mysallomock), integration with M& Exect PD:

France of agriculture

5 pensonnance Requisionent:

- * System would supposed at least 500 stock items and 50 concurrent users
- Tenansactions (in/out) must update stock in less than I second
- Report should be generated in under 5 seconds.

6. Design constraints

- Must seen on both windows and linux platforms
 - Should be developed using Java I. NET python with SAL database
- Limited by hardune storage capacity.

Non-functional Attributes.

- Security: Role band access and parswood perolection
- Reliability: Databox medurdancy and bockup.
- scalability: can hardle longe stock databane
- usability: simple navigation & superting
 - maintainability: Easy code updates & modifications

water to the !

8.	parcominary	schedule	and.	Budget.
----	-------------	----------	------	---------

phase	Description:	Duralion	estimated (ost
ancilysis	Requirement godboring & publity	3 ward	25,000
	Dalobar schenn , ulderign, andithlier	3 Ward	35,000
o system duign	*	6wcers	90,000
5 Development	Bourend & forestend implementation	- P	30,000
	bug livu system installation and sup	૭ મહાલ	20,000
5 . Deployment		8 mich	15,000
6. Tenaining & support	Tenaining stout maintenant 4 documentation.	. 19wars	à , 15, 0;

the manual for many services of the services and the services a

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softmiles beaution of

Parposit Automation system.

-> problem statement: A system to automate parpoint applicate verification and invaria processes 1001 citizens

- Interoduction:

Designation and approval process, minimizing manual intersection of provider application and approval process, minimizing manual intersection to provider application and approval process, minimizing manual intersection to provider application and easy, secure and townsparent may to apply to passpoorts, track their status, is recieus notification about their application progress.

. a. supe a this downert : -

pauponts, rencuals and re-issues online. The system will handle data entry document submission, fee payment, scheduling of resignation appointments on Stadus tracking.

13 Overview: -

The paupont Automation system automates perspect services by allowing and police verification automatics. It ensures accountly to an passary, and the in the entire liquide a passpoort service - forem application submission to issuance.

2. General Description

The passport Automation system automate passport service by allowing applicants to submit terms, uplead daments, pay tea and to application online. It also helps government authorities to variety details in records, and approve I might applications efficiently.

key Benyits: - Easy and Inansport application process

= neal - time tenacting a paraposit status

* Reduced manual worklood for pourport offices

x pastor decision - making with order rosylitation.

3. Functional nequinements: 1. Applicant midule: . * Online negistration and legin * Application togim submission (new / meneral for issue) * upload a nequired duments * enline yes payment (via Gredit /dsbit lups and bioring slot booking ton damment verification I biometrues * Application status tracking. . Admin medule (passport glicers): * Review submitted applications. · Virily upleaded downends * Appron on nejet applications * Manage appointments and scheduling * Generale pauponle and dispaten notification 3. Policy verification module :-Accus application assigned jost verification * Record resignation details * update renigibation status enline 4. Notification & Alent system: 5. Reports & Analytics. 6. Security & user management. 7. Back up & Recovery. 4. Interface Requirements -> User interfor : web-hard system accessible via honouser & mobile -s Handware interface: . support government servers & biomedance devices - software interpor - Integration with Payment geneways . Piling renjuation databases. El emails/5Ms 5. personmance Requirements - Must bourdle at least 5,000 consument mou * parport status update in mal-time * Reports generaled within 10 seconds.

6. Design condraints

* Must comply with government IT scurity standards

& only authorized personnel can acces sensitive necedi

should support multillingual intervace

7. Non - junctional Attributes

* security: Data encryption . Kurt tranactions.

* Reliability: 24/4 availability with 99% uplime

- usability: usa - Inically postal too applicants of all agr grape

= scalability. . should supports increasing number a applicant annual.

* Maintability: Easy update jon policy changes

21 Preliminary schedule and Budget:

Phase	- techeriphon -	puration .	estimated cost
> Requirement		S weeks	20000
zs system design		6 was	G5,000
3) Development		& mad	25,000
m) Testing		7 weeks	30,000
5) Development		3 weeks	25,000
& prining &	10711 2	, 2 week	5 2,000
		28 4414	29 0.000