Distribute requirement specification for Hotel management 1912 1) Inhoduction :-1.1 purpose - The purpose of this decument is to deline the requirements for a Hotal Managent system, outlining the functionalities required for efficient hotel apreadions such as reserving, chiefe in check - out , billing and gurst management. 1-2 Stope :- The system will called to both hotel staff and customers, Managing room bookings, customer profiles billing and staff Name general. This will optimize day to day hotel operations, reduce Manual labor, & providing guest with termless exprense. 1.3 overview - The Hotel management system will include modules for front desk opreations room transgement, wetomer relationship Management, houseldeeping and billing. 2) General Description: 2.1 product perspective - The system integrates with existing hotel. infrastructure and online booking platforms providing a centertired system for managing holel opreations 7.2 User characterships to user hill include hotel staff. The interface will be user - friendly for non-techical users. 9.3 system constraints: This ystem must available zult isupport multiple users, and handle high Trafic during peak seasons 3) functional Requirments to * from booting and reseration transpersent. * customer check-in | check-out process. * Irreite generation and billing. * House keeping status tracking * lostomer profile and history manugement * Online booking integration. Interface requirments: * graphic user Interfoce (ChUI) for hotel staff. * web-based interface for costoners. * Integration with external booking platforms) Performance requirments :-* Must handle atleast soo concurrent users * lesponse time for room availability should beless a Seconds. * Hust be compatiable with existing hotel hardware Design constrains

* The software should be module to allow fature feature expansions DNon-tunctional Athbutes :-& Soundy - Secure data handling wiath enoughter for sensitive * Scalesbility -must be able to scale across multiple hold branches. * Recubbility -> 99.9% uptime (2) predi preliminary Schadule and Bugation * Development Timeline > smonths * Estimated Budget > find oce for in Hat setup and diployment (2) software Requirements expecitionation for credit cord processing (i) Introduction in purpose - The purpose of this Document isto outenette functional and non-functional fequipments for a Secure (redut cord processing system, which tacilitales transcontact behaven merchants and carholders. 1.2 Scope: - The system will support multiple car types and other real time processing and in person purchases. 1.3 overview - The credit card processing system will ensure smooth prignent transcation for both andine and in person porchase 6) Creneral Descriptions to appear neithers 2.1 produce perspective: This ystem will work as an intermedian blue the merchant and the medit cond company, recurrely processing and verifying payments. e. 2 user characters: user will indude prenchants, condules and system administrantors. 2.3 system conditions > 31 must met pot pss and ensure sewe Transation handing. (3) knotional fegurments > * card cuthorization. t Payment galeway integration * freued detection & prevention + Transation reporting and auditing * changebook & refund handling

* web AFT for Integration with e-commerce platforms * point of sale slis interface for Merchants. 3 performance loquiments. * Must process transactions in under & Seconds * support to up to 1000 Transcention per second during peak has 1 Design constraints -* must comply with PCE Dss standards for Sewrity * The eastern must be designed for easy integration with Third-party methant systems. (1) Non-functional Attributes -* Bewrity - End - to - end encryption & tokenization of redut cond * Reliability - 99.999 y, uptime to ensure availability * Sculability - Must be able to handle high transation volumes across multiple Merchants 3 Pre liminary Schedule & Budget > + ovelopment Timeline - quanths. * Eshonated Buget - \$200,000 for the initial development phese.

LAB - IT O honerate the Sts 1 Olibrary nanagement system @ stock receintenance system (3) passport Automation system 1) Library Management system > an perpose > The perpose of this downers is hodeline the requestments 1 Inhoduction for a library Hunagement system southing the functionalities required by etherent library Hanagent system such as researching Books, entring Rebooks details, previding library concis, entring sheeters dibility and faulthes details 2.2 Scope > The system will be both sibring eleft and startents to + ranging Entered Time and leaving Time, we of books taken by students, end and and starling data of book laken, pool book capies in Ky Johnany This will ophiuse day to day total operations set as ele-2.3 Overbice > Library management system will included Mincheles for front clask operations, bookmanagement, student relationship monagement, autom start relationship pranagement, entries Books, Interes and outtime 2.1 product perspective > system with integreded with suiting Library 1 Cheneral discription -> infastructure and if act a intermediate between total library ist and students for bugin taking block from Subrary, enting details of this In bose condoud how of the dibrary. * student will be included library staff, students and systemodule 2.7 User characters -> - tions . The interface will be uses - frendly. 2.8 system constraints -> for Warry Management system will be available * 2017 , support multiple student and Il will hand all entreschances student & Ability to search for book in the library by tille another 3 functional requirement and ISBN theread the te and Return the all boots of Ability to display bestof the book present in the library # user carkeristor, login & Hanage then profile , with rolebase acress > librarians can addied or delda book entries govers lan search in by various enterid and system calculates fines for overduce books galler

(1) Inhalace Required > A graphic uses Introduce for library shalf. * web-based interface for 2 brong staff (1) periormance Requirements -> to it must handle aftered all students gresent In the restricted * Response of availability of the book will be within a Beconds. It wast hand all slare present in the Sibrary @ Securicy - Secure data handling with energytion for Sensitive Outo (6) Non-functional Attributes -> () scalability - s norther able to scale accross all multiple branches be a host be empartable with existing siting hadrone borode scanning 4 to. 1 Design constraints > A modular design to allow easy future updates for digital adjection Henroegenenis (8) Prehimory Schidule & Budger & prelopment Timeline - s Months * Estricted Budget - \$80,000 (2) stock Maintenance system 2.1 purpose -> purpose of this downent is to audine the requirement for a stock maintainer system that helps business manage inventory bevels, Track stock, movement and generate restocking allits. in 2 scope - the system will be used by stone transpers and workhouse personel to encore extrement irreating tracking and timely restocking. 1.3 overveco - The shock mainlen is system will have madelles for inventory Trackering, vendor management. @ general discription > 21 product persceptive - The system will integrate with existing worthpuse management system to keep Track of stock levels, and movements in real-time e. 2. user characterskies - userswill include workhouse sluff , stone managers 2.3 system constraints - system authorns should be operational 2417 g handle Inventory across Mulhple locations (3) Penchanal Requirements -& Inventory tracking by hem . stee & Locations * pestocking notifications when inventory falls betwee Thresold value * Reporting on stock values iturnover and shortages re vender managements for ordering and copply tracking

O Interface require * web based identace for dock Hanager # API for Third party warehouse system * Integration with borcode scanner for short movement. (5) Performance Requirments > to Must handle 10,000 cohies * Stock Translation within a Sciences It will be show 6 perign conchains = at rived comply with the company's his Interfaces Orsigned for easy integration with sid thing Exp system 1) won touchion regumments A Burning - Dato will be security and restricted access the Date * state while p - could repeate to handle math-secutions were houses 99.71. uptime contain Impormation about dont updates (preterinary Schedule and Budget -> * Development lime line - I monts * Estimated Budget - \$ 190,00 (3) passport Automation system 1 Introduction-20. purpose. The purpose of this document is to define the requirement for passport Automation system. This system will help shremline passport application poocess including applications. Submission, diaching and appoinment scheduling 1.2 Scope - The system will support applicants passport office stoff and immigration officers in processing passport request and renewals. 103 overview -> The possport Automation system will consist of modeliles for application is submission y entiration, appointment scheduling passport is course and Tracking @ general discription 2.1 product perspective - The system will Integrate with government dalabase and biometric verification system to automate pasport processing 22 user characterstic - user will include passport opplicants, governous officals & system administrators. The interfaces will be simple enough for applications to complete without techincal support 2-3 system constraints > The system Mixt support Secure online Jubinesian

and Tracking for passport applications

(3) functional fegunment? * online application subsussion and payment processing * Bio Metric Verification integration * Appainment scheduling for in-person verification k Application states checking I hacking for applications h Reporting Applications statistics interface requirements > * web-based interface for applicants Administrative fortal for passport office slaff Integration with payment garway for fee processing (3) performance forquirmons > * Hust process 100,000 application annually in Typpication status updates should be available in real time. 1 Design conhours -> * Hust comply with government Security & Data privacy regulations A Modular design for easy future opposes & feature additions (Non fonctional requirements > Security - end to end encryption for sensitive data Scalability - scalable across multiple regional perspect additions

Featibility - 49.797. uplime for continuous operations

(3) presiminary Schedule and Budget > peretopment time-line - 8 Honts Estimated Budgel - \$150,000 with alwest boing

elected from 100

College chard being (1):

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