- SRS for Hotel Management System and 1AB-01 credit card Processing Hotel Management Bustern .-1 Introduction: 1-1 Purpose : This document specifics the requirements of Hotel Management System this allows the hotel staff to look thato quest cheek-instouts, billing, managing asservations etc. The system insures accuracy, efficiency in day-today hotel operations. It will seave for searchess interaction by hotelstaff, administrators. reception staff, housekeeping and customus st is designed to improve customel satisfaction. 12 Document Conventions: the turns shall indicates mandatory requirements. and should indicates desirable but optional features Non functional requirements are stated with time, accuracy and seliability. Functional requirements are simple with shall used 1-3 Intended Audience and Reading Suggestions: - Developus - to design and implement System - Testers - to validate system siegune ments. - Hotel staff - to understand system functionality. - Reviewers - to evaluate completedness of orequirement 1.4 Product Super The system is disigned to automate hotel operations such as wooking. billing, nooni allocation and staff management It Antegrates with online platforms to allow customers to make suservations in heal time of provides administrators with dashboards for purformance traing. It supports scalability, enabling small hotils as will as large chains with multiple branches.

1.5 References : · IFEE' SRS standard - Hotel industry guidelines or regulatory document che - API or technical documentation for third - party tools (payment gateways or booking ingines). 2 Overall Description 23 Product Perspective :-It suplaces tradition manual system of segistration initing to a fully automated process. It interacts with external systems as banking Api's for secure transactions and inventory system for resource tracking. the system is delighted to be scalable supporting single hotels as well as multiple branches with shall date access. 2.2 Product features: - Room booking and reservations - Check customed check-ins and check outs. - staff sucord management - Automated billing and invoice generation - Real time noom grailability updates. 23 usur classes and characteristics: - Administrator: Fyst a ystem privileges - staff: limited access - customer Limited self- service. 2.4. Operating Environment: - surver 05: boindons / Rinusc - Dollabase: Mysal - Programming Language: Java [PHP] Python - used denices! : PC Haptop with atleast 49B RAM and intunet browser.

2.5. Dusign and Implementation Constraints: "It should be implemented using a relational database to ensure consistency and scalability. - the system must run on dominonly used platfor ms such as windows and kinux solver, - All modules should be developed using standar programming practices to ensure maintainability instanct connectivity is required for online reservations and polyment processing 36 usu Documentation: user Manual for hotel staff and admin - chuick start gilide for customers 27 Assumption and Dependencies -- Internet access available por customer portal. - Payment gateway API operational. - Hotel staff trained in basic computer asage. 3. System Features: 31. Room Booking functional Requirements: - the system shall allow customers to search for available rooms based on check ins out dates. - shall provide booking facilities with guest details préferences payment options - shall generate invoices and receipts automatically upon guest departure "shall enable stoff to manage housekeeping. soom super and guest feedback. 3 2 Non-functional orequirements: - shall provide secure financial transactions shall insure 24 4 ordilaterlity with minimum uptime of 99.5% Shall process reservations within a seconds under normal load. shall be scalable to support multiple hostels and branches.

- shall comply with quest data privary and hosp 33. Romain requirement - ality regulations. - shall allign with aubunting standards tos financial and billing reports. - shall handle seasonal pricing, promotional offers, and loyalty programs 3.4 Extranal interface requirements: - uses interface: web-based interface, seperate login dashboards, forms for room booking, multi language interfaces - Hardware interfaces: hotel frontdesk computers. barcode scanners ruceipt printers, card readless. - software interface: Payment gateway Apix. government in verification Apis, hotel audunting Software. - communication interfere : email notifications, sus alus, real time synchronization. 4 Appendix: 4.1. Acronyms and Abbienations: - HMS - Hotel Management Syxtem - UI - User interfacel - API - Application Programming interface 42 Glossary: - Guest - puson booking or staying in notel. - Admin - notel statt Manager Lesponsible for system operations. - Booking process of seserving a hotel soom for enosint period.