## OOM LAB walls of the board sie

Software Requirement Document [SRS] BYIEFE Application: Hotel Management System 1. Introduction 1.1 Purpose This document specifies the software requiremts for the HMS. The System will automate hotel operations Such as room booking I check in, check out I billing and reporting to improve operational efficiency & guest expersional 1.2 Document conventions · Bold for heading and important terms · Bullet points for lists · Use of clear, Simple language 1.3 Intended Audience and Suggestion Reading · Developers + testers for implementation & validation · project managers for planning tracking of orose · Hotel Staff and Stakeholders for Understanding Capabilities 1.4 Product Scope application designed to manage hotel reservation + guest checkin (checkouts payments User role and reporting of salar & share with 1.5 References · JEEG std 830-1998 based dans 2004400000 F.S · PCIDSS guidelines for payment security · GDPR for data protection complience J. Overall Description 2 Frammupo 9 34/139 28 0.1 Product Perspective 2 transmissing & asitomy LS The HMS is a standalone web application integrated with payment gateways & notification services

check-in (checked processing).

2.2 product function BAJ MOO,
User authentication and registration Room Search and booking
· Booking notification and cancellation . Quest check in and check out
· Payment processing and involving mothers and
· Report generation
2.3 User classes and Characteristics
· Admin! full access , manages System and reports · Receptionist! Manage Booking and guest operation
goest: Searcher and books room, manager profi
2.4 Operating Eurvironment
· Cloud or on-premise server deployment
· Cloud or on-premise server deployment
2.5 Design and Implementation Constraints
· Secure payment processing (PCI Dss complience) · Data Encryption in transistion and at rost
· Role-based access control agos to wood to
2.6 User Documention is though not avrossy lated
· Usermanuals + online help des des des
· Admin and staff training guides
2.7 Assumptions and Dependencies
. Internet Connection for payment & notification . Third-party API's availability
3 Specific Requirements
3.1 function Requirements
3 Specific Requirements  3.1 function Requirements  Secure User Registration & login  Role based access Control  Ronn availabity Search by date type & price
· Role based access Control · Room availibity search by date type & price · Room availibity & cancel Reservation · Book i modify & cancel Reservation · Check - in (checkout processing

· Process payment and generate receipts · Manage User profiles · Manage User profiles · Admin reports on booking Revenue and occupancy · Notification via Email SMS 3.2 External Interface Requirements · User - freendly web Us - payment gateway integration C Stripe , Paypail · Email and Sms notification APIs · Secure HTTPS Communication 3.3 System Features . from management: add/ update / delete rooms and . Booking Management! full booking lifecycle handling · User management! role and access controls · payment processing and Billing · Reporting Dashboord 3. 4 Non - Functional Requirements · Supports 100+ Connurvent Users · Response time under 2 seconds · Data Security and Energytion A bound · 99.91. System uptime scalable architecture for future expansion Intutitive and responsive UI A. Appendaces · Booking ! Reservation of rooms 39002 to 1019 4.1 Glossary · checkin : quest Arrival process · check-out . Cross departure 4 payment tinilization 4.2 future Earchancment Loyalty Programs of not and motor · Multi-language Support · Door lock System Integration - Multi-larguage Support