DATE: PAGE: LAB 1 document for Hotel Monagement System Design SRS Table of Contents 1. Introduction 1.1 Purpose 1.2 Scope 1.3 Acronyms 1.4 references 1.5 Doerview 2. Discruien 2.1 Product Perspective 2.2 Product Functions 2.3. Uzer Clayses 2. 4. Con Resign and Implementation constraints 2.6 Assumptions and dependencies 3. Functional Requirements 4. Non-Journalional Requirements 5. Dompis Requirements

1. Introduction

1.1 Purpose The purpose of this document is to provide a detailed description of the software requirements for a Hotel monagement system (MMS) that includes functionalities for hotel operation, restaurant monogenest, and partning services.

The Hotel Monogement system will pocilitate the monagement of hotel operations, including quest reservations, room assignments, billing, restaurant services and partainy faulities

2. Overview

2.1 Product Perspective The HMS is a dondalone application with a client-server architecture. It will interface

with various subsegsterns including payment galeways, restaurant monagement systems, and parking monagement systems.

2.2 Product Functions

- Guest sheek-in and speck out

- Room wailability monagement

reservation processing

- Restaurant menu management and order processing

- Parking spore monagement

DATE: PAGE: 2.3 lyer classes and characteristics - Front desh state - restourant stable - Housekeeping - monagement 24 Resign und Implementation constraints
- compliance with data protection regulations
- Integration with third - party payment systems. 2.5 Assumptions and dependencies - User will hove bosic knowledge of computer social dity of internet connectivity 3 Functional Requirements 3.1 User Authentication - The system shall provide a sewer login interface The system whall support possword recovery and user registration. 3.2 lyrest monagement

- The system shall allow stoff to odd, edit out delete quest projetes. The system shall trock quest preferences ond history 3.3 Room monagement - The system shall provide a real time view of room avoilability - The system shall allow stape to update room

status

DATE: PAGE 3.4 Reservation Management - The system shall allow online and oppline looking 3.5 Billing and Payment Management system shall support online and oppline modes of payment and yenerate invoices 3.6 Restaurent monogement - System shall allow stoff to manage men take orders and manage tables 3.7 Purking Management System shall allow quests to sueserve spots and track wouldble spots 4. Non Functional Regionents 4.1 Performance - System shall support upto 100 simultaneous users with average response line of 2 seconds 4.2 Secrety - System shall energht sensitive information pole based occess to the system 43 Usability - Intentive aus and documentation 4. 4 reliability -99.91. upline with regular bockups 4.5 Maintainability - Follow standard practices and support modular updates 4.6 Portability system should be compatible with major web browsers with a responsive design

5. Romain requirements 5.1 Business rules - Guests must provide volid identification during check in - Reservations must be comparined with a valid payment - All quest information must be stored is compliance with data protection laws - Tomellation policy must be conveyed 5.2 Ruta monagement - System small mountain a centralized database - Historical data of past 5 years to be stored - system must retrieve post records of queste & to provide personalized service to centernery, endit earl ilministration of Suntional Requirements 1. Orefit and Application - lugonery must be able to nationities must be collidated and its ad conflored to opprove apply sure - Applicants deadld be informed on withou 3. intour bugust renggisset carefraller reld logge conducted diles and explore details