HOTEL MANAGEMENT SYSTEM

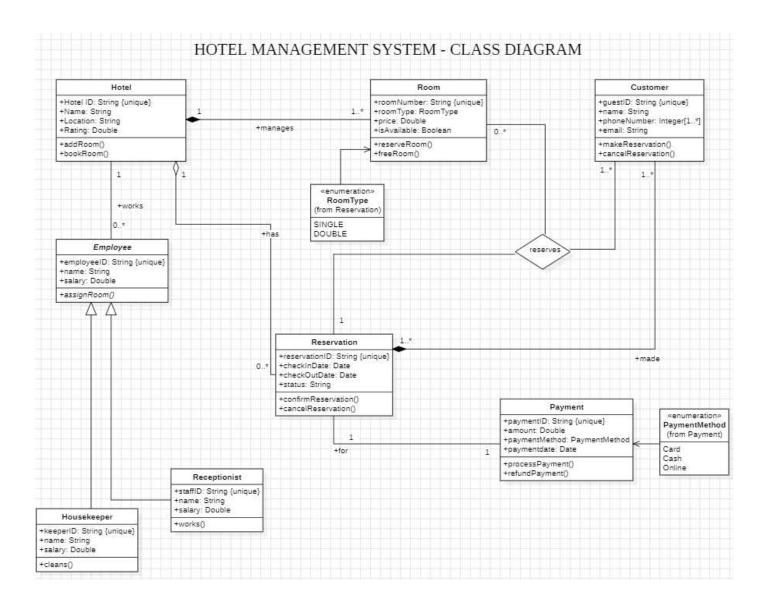
SOFTWARE REQUIREMENTS SPECIFICATION

LAG-1 23/9/24
After an Requirement specification (ses)
, Into oduction
. Durose of this document
This document outlines the requirements for the development
of hotel Management dystem The purpose is to define the ayotem's functionality, lehaniour, and purformance to streamline
hotel operations like room booking, billing and acporting
1.2 Scope! It aims to automate the tasks esleted to hotel
operations. It will serve hotel staff to manage bookings, noom
availability, customer details and financial transactions efficiently
13 Overview: The MMS is an application designed for hotel
operators and customers. It includes modules for room
reseauations, litting and customer information management.
The system curves survity and plenibility while handling
different types of somme amenities and ming
4 Description:
The hotel management system allows hotel staff to manage
mischarlons, track check in and check out procures
ma manage austomer data features include from anailabilit
curing, automer herord management, billing and report
generation and second s
3 huntional Requirements:
· Room Booking: Allow rustomers to book sooms based an awailable
room type and price:
· Check in and check out : track customer check-ins and check-outs
updating soom status in scal-time
Room- anailability: show real-three groom status and prices
Room- availability: show real-time, room status and pricing.
www. templeus (
the training the state of the s

. The system will have a wib based interface available to untorn 4 Interface Requirements: · Integration with the database to store and extrieve customer. soon and tilling information. 5. Performance Regus ements: . The system should support concurred uses are unithout performance degadation " The system should handle up to 500 concurrent transactions during peck times · Manuay usage should remain below 70% during resemal spesation Duign (onetrainte: . The system will be developed using jana and a Mysq L database . The system should support both desktop and mobile devices Non-functional Requirements · bystem downtime should not exceed 1.1. annually. . The system should be able to handle an increase in customer and from capacity, · sneure consistent data when multiple users acces standify luade budget and ideolule: - The entire project can take abound 6 months for completion stasting with requirement specification, design, develop, Leptoy and Luting - Budget Around \$ 150000 could be estimated D Requirement specification: \$ 15000 a) Daign quase \$ 25000 3) Revelopment: \$ 80 000 4) deploy and testing: \$ 0.7500

UML DIAGRAMS

CLASS DIAGRAM



	Housekee	per 1	NA	
	PO: Stoù	ng	V K	
10.916.	rame: 870	ing	Date	
10.10.24.	Cleans ()	ociblo.	rage	
Manager		Dinner Charles		
10. String				
Startus .				
Salvey South	TO LUDEL	CHIVADOCCINCION O	. has has	
Managar	the total			
	1	000	100 southander 92.	
1 30 010	lotal Manager		Reservation	
name: Shring Hor	ello: Storing	Room Number: Int		
Salary: Double Nais		Aype: Showing	Checken Date: Storing	
assignRopenU: Add	U U	levice: float	Check Out Date: Storing	
a Rast	ne that me	Istrailable: Bool	totallaice: floort	
works addl	ROSMULLO	> check Avallability		
	kRoomURI	bookRooml	carulenavation)	
Receptionist		Customes		
PD: Storing	Sectiones 1.4	Cutted: Int	1. makel	
Salony 2 Double	4 1003/	Name: Storing	remotion 1	
woods	Bland	Contact: nt	Ha Payment	
mine to	o moin down	membership: Storing	payment P.D; Stains	
140	numerations	make Reservation U	anisunt: Double	
Groon	Reservation)		All Latel Anta	
Stry	le	CheckOutU	Process (): void	
00	to draid		refruid void	
The second secon	mel 21438.	00	alterbacker doctor	
The second secon	between a	1) brones	rolante Richiod	
3 1 1233 1 23330	C XIMPONO O	1	(ferom Payment)	
	V	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Cash	
		Tracks Vir.	Quline	
	The section	A CONTRACTOR OF THE PARTY OF TH	- Comme	
	1 1 1			
	The second secon	The state of the s		