LAB 1

I. Hotel Management System

<u>Problem statement</u> : The hotel management system aims to streamline operations by automating tasks such as reservation mangement, guest check-in/check-out room assignment, billing, and reporting. It addresses the need for efficient management of resources, enhances guest experience, and ensures smooth day-to-day operations in hotels.

1. Introduction

1.1. <u>Purpose of this document</u> = The main aim of the document is to summarize the requirements & specifications of a hotel management system. It acts as a guide to the development teams & outlines functionalities, objectives & constraints.

1.2. <u>Scope of document</u> : Describes the functions such as reservation management, billing, guest services and inventory

1.3. <u>Overview</u>. The system is designed to stream line various hotel operations such as reservation management, guest check in/out, room service etc

2. General Description :

- The hotel management system will cater to the needs of hotel staff & guests, providing intuitive interfaces. It will include features such as

    - Reservation management. Allows guests to

make reservation online or in person, quickly & effectively

- Guest services: Provides checkin & checkout functionalities, etc.
- Billing: Generate invoices, process payment

3. Functional Requirements
- Allow guests to make online reservations.
- Manage room availability
- Generate invoices, process payments

4. Interface Requirements:
- Capable of handling high traffic
- Intuitive booking interfaces.

5. Performance requirements:
- Should be able to handle high traffic
- Response time should be minimum
- System should be reliable

6. Design constraints
- System should comply with industry standards
- System should be compatible with current software and hardware.

7. Non-Functional Attribute
- Security
- Scalability
- Portability
- Reliability

8   Preliminary schedule & Budget.
- Development timeline : 6 months
- Estimated budget : ₹ 1,00,000.

II) Credit card ~~management~~ processing system.

Problem statement : The credit card processing system seeks to provide a secure, efficient and reliable platform for merchants to accepts electronic payments from customers. It addresses the challenge of facilitating seamless transactions while adhering to stringent security standards minimizing fraud risks, and ensuring timely processing of payments across various channels.

1. Introduction :

1·1 Purpose : Outline the specs & reqs of development of credit card processing system.

1·2 Scope of the Document : overall working & objectives of CCPS

1·3 Overview :
The CCPS is designed to facilitate the processing & transactions securely & efficiently centralized platforms for merchants to accept payment through cards.

2. General description :
- Authorizations of credit card transactions in real time
- settlement of transactions, funds & receipts
- Management of accounts, payment methods
- Payment gateways, merchant service provider