SRS

I. Hotel Managment System

1) Introduction

1.1) Purpose → document comprises the requirments of a hotel managment system used for the automation of hotel operations like room bookings, check-in and check-out

1.2) Scope → Hostel managment system will autmate manual labor for customer service and staff managment it will inc Efficeincy and accuracy in room booking and Payment

1.3) overview → Hostel managment System hotel operation is a user can reservir room online By checking thus availibility

2) General description :- The System aims to simplify hotel operations for users and hotel staff customers can use the Platform to book rooms, while hotel managments can handle check-ins

3) functional requirments
- user registration and login
- Room occupancy catalog
- Room reservation
- innovice generation
- Room serive

4) interface requirements

(1) user interface → a responsive web interface that allows users for a available rooms, make reservation

(II) Application Programming interfaces (API'S) → communicates between the web interface and the server to check

(III) Database interface → system will interact with a Backend database to store and retrive guest records, reservations, billing data

5) Performance requirments → System must handle multiple concurrent bookings Process Payments in real-time

6) Design constraints → The System must comply with data Protection laws, such as GDPR

7) Non-functional attributes
    Security :→ Data Encryption
    Reliability :→ System should minimal downtime
    Scalability :→ Must accommodate

8) Preliminary Schedule
    → initial development is Estimated to take 6 months with a budget $50,000 and the allocated is splited as Shows Splitup.

1) requirement analysis ($15000)
2) design and implementation ($10,000)
3) verification & validation ($10,000)

4) testing ($15000) and Evalue