

Project 1 : Hotel Management

Date: / /

Problem Statement: The problem statement is to design a hotel management system that can efficiently manage the day-to-day operations of the hotel, including managing room reservations.

SRS:

a) User requirements

- Ability to search for available rooms and make reservations.
- Ability to check-in and check-out of rooms.
- Ability to request room service.

b) System requirements

i) Functional requirements

- Create and manage guest profiles.
- Assign room to guests and track room availability.
- Process room service requests and track inventory levels.
- Generate bills and process payments.

iii) Non functional requirements

- The system should be reliable and available 24/7.
- The system should be easy to use and have a user-friendly interface.
- The system should be secure and protect guest info.

iv) Domain Requirements

• Compliance with local and national laws and regulations governing the hospitality industry.

- Compliance with industry standards for credit card processing and data security.

Project A: Credit card processing.

Date : / /

Problem Statement:

The problem statement is to design a credit card processing system that can securely and efficiently process credit card transactions in real-time.

SRS:

a) User requirements

- * Ability to accept multiple forms of payment.
- * Ability to process transactions in real time.
- * Ability to handle refunds and chargebacks.

b) System requirements

i) Functional requirements

- * Ability to securely store and process credit-card information.
- * Process transactions in real time.
- * Handle refunds and chargebacks and generate reports.

Non-functional requirements

- * The system should be reliable and available 24/7.
- * The system should be easy to use and have a user-friendly interface.
- * The system should be scalable to accommodate future growth.

Project 3

Problem statement
System
Education
Management
SRS:

Non functional

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b) and sighting types of wild life

a) administration works of wild life

b) about the about of wild life & its species

2. Geographical aspects

2. Geographical location of

the state works of wild life &

activities being done

with less administration

and species found there

logs

for

Project 3: Library Management System

Problem statement: The library management system is a critical component of any educational institution which facilitates the management of the library's resources.

SRS:

Non functional requirements:

- * **Security:** The software should ensure the security and confidentiality of library data.
- * **Scalability:** The software should be able to handle a large no of books, journals
- * **Usability:** The software should be user friendly

System requirements

Functional requirements:

- * The software should allow the library staff to enter and maintain records of all books, journal and multimedia materials
- * The software should allow patrons to borrow and return library materials

User requirements:

- * Allow the librarian to add and remove new members
- * Users can request, issue or return a book
- * Librarian can add and manage the books.

Project 4: StockProblem statement
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SystemFunct

Project 4: Stock maintenance system.

Date: / /

Problem statement: The stock maintenance system is crucial component for any business dealing with physical inventory.

SRS:

User requirements:

- * Allow the user to view and manage inventory levels, record stock.
- * Allow the user to generate reports on inventory levels.
- * Allow the user to configure system settings.

System requirements:

Functional requirements:

- * The system will allow the user to track inventory levels, record stock movement.
- * The system will allow the user to set reorder points for each inventory item
- * The system will send alerts to the user when inventory levels fall below the reorder point.

Non-functional requirements

- * The system should be able to handle a large volume of inventory data.
- * The system should be secure and protect the integrity of data.
- * The system should be reliable and minimize the risk.

Project 5: Passport Automation System

Date: / /

Problem statement: The passport application process can be time consuming and inconvenient for individuals who need to travel abroad.

SRS

User system requirements -

- * handle registrations of information by the applications.
- * Administrator can generate report from the information

System requirements -

Functional requirements

- * The system will allow users to register for an account and provide basic personal info
- * The system will allow users to fill out an online passport application
- * The system will allow users to upload scanned docs

Project 6: Railway Reservation System

Date:

Problem statement: Railway reservation system is developed to automate the train ticket booking process, reduce waiting times, and improve the accuracy of the information provided.

SRS:

User requirements:

- * The system will allow users to register for an account and provide basic info.

System requirements:

functional requirements:

- * The system will allow users to check the availability of seats for a particular train
- * The system will allow users to book train tickets online based on their preferred seats.