

SRS Document:

Hotel Management System:

Problem statement: web application for hotel reservation. We will take the selection criteria from users and display all the hotels lists for users based on the given criteria.
Apply the roles provided in the application that ^uwants.

Scope

The hotel management system provides the services in the different field sectors like air lines, Railways, sports, army etc.

Functional Requirements:

- * The hotel management system allows the users for registration (the details should be provided)
- * After registration, it needs a OTP for login
- * After login, the details are saved. The availability services for booking the rooms, ordering food etc are displayed on the application, where customers can be facilitated.
- * Customer support (helpline for enquiry)
- * Payment options

Non-functional Requirements

* Security requirements

* Safety requirements

* Maintenance

Domain

* User roles and permissions (Admin, manager)

* Reservations

* Room Services

* Payment Options

* Maintenance

* Experience and user interface

* Security

Credit Card Processing System

Problem Statement:

The system allows to accept and manage credit card transactions for ensuring data security.

Scope:

The system provides transactions through online, shopping stores, mobile payments.

Functional

- * Customer Authentication
- * Transaction processing
- * Detection of illegal transaction
- * Customer support

Non-functional

- * Security
- * Usability (for customers & merchants)
- * Performance
- * Support for devices (web, mobile, laptop)

Domain:

- * Transaction management
- * Security and maintenance
- * Reporting
- * Customer support
- * User experience
- * Notification & Alerts
- * Feedback reviews,

③ Library Management System

Scope: The library management system will facilitate the management of library resources, including books, members and transactions.

Problem Statement

- Inefficient Resource Management
- Poor User Experience
- To provide the online library system services.

Functional Requirements:

- User Management
- Borrowing and Returning Process
- Fine Management
- Reporting
- Catalog Management

Nonfunctional

- Performance
- Usability
- Security
- The system should be able to accommodate an increasing number of users and resources

Domain Requirements:

- User Management
 —> Types, Authentication, User Profile
- Resource Management
- Transaction Management
- Reporting and analysis

Full

④ Stock Maintenance (Warehouse)

Purpose:

The service provide the proper maintenance of and security for the goods/stock and its or objects.

Scope

The system will facilitate the tracking, management and reporting of stock levels in warehouse setting.

General Description: Monitoring stock levels, categories stock based on type and location.

Functional Requirements:

- Stock Alerts: System provide notifications on the levels of stocks when levels fall below
- Supplier Management: User can add, update delete supplier information including contact details and order history.
- Reporting: User should be able to generate custom reports based on levels of stock, order history

Non-functional

- Performance: Should handle the users with less response time for queries

- Security: Data encryption must be implemented for sensitive information
- Usability Requirements, Reliability.

Interface Requirements

- User interface: System should have the graphical interface for staffs/working professionals for analyzing stock levels.
- API interface
- Notifications

Performance

System should handle ~~egs~~ users at the same time.
Stock update and order processing should happen within same time

Design

- System should be compatible with existing warehouse
- It should follow security protocols to prevent unauthorised access to warehouse.

Lee
11/10/24

⑥ Passport Automation

Purpose: The document is to outline the requirements for passport automation. It provides a detailed description of functionalities, performance and expectations.

Scope:

The development is expected to enhance efficiency, reduce processing time and improve user experience.

General Description:

The system will facilitate passport application for citizens through a web-based platform.

Functional Requirements

- User Registration: Users must be able to create an account, log in and manage their profiles.
- Document Upload: Users must be able to upload required documents securely.
- Application Submission: Users can fill out and submit passport applications.
- Payment processing
- Application Tracking

Interface Requirements

- User Interface
- API Integration
- Payment Gateway

Performance

- Response time: The system should respond to user actions within some fraction of second.
- Data Handling

Design

- Technology stack must be specified
- Budget Constraints

Non-Functional

- Security: implement encryption and secure authentication methods.
- Reliability: The system should be capable of recovering from failures without the loss of data.

Due 8/10/24