Software Requirements Specification
for
JU Transport Requisition System.

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Chapter 1

Introduction

1.1 Purpose

The purpose of this document is to build an online system to manage reservation of transports of Jahangirnagar University Transport Office and enable employees to reserve transports via online.

1.2 Intended Audience

This SRS is helpful to the developer and managerial team of the software.

1.3 Intended Use

The marketing and leadership team can use this document to get a brief nature and perspectives of this software.

1.4 Product Scope

Objective of this software is to provide an online system to reserve university transports. The employees of University can send requisition via online and transport office admins can allocate transports for them. The office can also manage driver, client and transport data through this product. It will make the transport management easy for the office. The university authority can get proper statistics form this software.

1.5 Risk Definition

Chapter 2

Overall Description

2.1 User Classes and Characteristics

2.2 User Story

As a staff member, I want to be able to view the availability of vehicles for a specific date and time so that I can plan my transportation accordingly.

As a staff member, I want to be able to specify the purpose and destination of my trip when making a transport requisition, providing any necessary details or requirements.

As a staff member, I want to receive confirmation and notification of my transport requisition, including the assigned vehicle and driver details, as well as the estimated time of arrival.

As a staff member, I want to be able to modify or cancel my transport requisition if there are any changes or if the trip is no longer required.

As an administrator, I want to be able to view and manage all transport requisitions, including approving or rejecting them based on availability and priority.

As an administrator, I want to be able to assign vehicles and drivers to approved transport requisitions, ensuring efficient allocation of resources.

As an administrator, I want to be able to generate reports and statistics about transport requisitions, including the number of requests, usage patterns, and any relevant financial information.

As a driver, I want to be able to view my assigned transport requisitions, including the pickup and drop-off locations, as well as any special instructions.

As a driver, I want to be able to update the status of a transport requisition, such as "En Route," "Arrived," or "Completed," to keep everyone informed about the progress of the trip.

As a customer, I want to be able to provide feedback or rate the service after the completion of a transport requisition, helping the transport rental service to improve its quality

2.3 Operating Environment

This product is specially designed for Jahangirnagar University Transport Office.

2.4   Constraints

2.5   Assumptions

Chapter 3

Requirements

3.1 Functional Requirements

1.Registration Section (Users should be able to register with the system by providing their basic information such as name, email, contact number, and address.)

2.Login Section (Registered users should be able to log in to the system using their credentials to access the features and functionalities.)

3.Sign Out section (User should be able to sign out after completing his task)

4.Approval Section (Users request should be approved by the authority/admin)

3.Transport maintenance section (Add vehicle,update vehicle,delete vehicle)

4.Customer Management (Add Customer,Update Customer,delete Customer)

5.Booking Management (Making Booking, Manage Booking, Cancel booking)

6.Payment Management (Accept payment,Generate Invoice)

7.Staff Management (Add stuff,assign roles, Update stuff,Remove stuff)

8.Making user able to see available Trips .

9.Making user able to change or update his trip.

10.Dashboard for maintaining profile.

11.Customer profile for showing their details information.

3.2 Non Functional Requirements

1.Usability from user-end (The system should be user-friendly and easy to navi- gate, with a responsive and intuitive user interface.)

2.Providing enough security (The system should ensure the confidentiality and integrity of user data. User passwords should be securely stored using encryption techniques.)

3.Providing High performance (The system should be able to handle a large volume of data and concurrent users without significant performance degradation.)

4.Reliability for the user (The system should be reliable and available for use 24/7, with minimal downtime for maintenance and upgrades.)

5.Scalability (The system should be scalable to accommodate future growth in terms of car inventory, customer

base, and overall usage.)

6.The system should be Compatible (The system should be compatible with mod- ern web browsers and accessible from various devices such as desktops, laptops, tablets, and smartphones.)

7.Reporting and Analytics (The system should provide reporting and analytics ca- pabilities to generate various reports and insights, such as car availability, booking trends, and revenue analysis.)

8.Localization (The system should support multiple languages and currency op- tions to cater to users from different regions.)

9.Documentation (The system should have comprehensive documentation that includes user manuals, system architecture, and technical specifications to assist users and developers in understanding and maintaining the system.)

10. User complain or Suggestion section.(User can complain or give any suggestion)

11. Refund/review section.(Users feedback should be taken)

12.Special trip discount for special customer.(For improving user interaction/reachness of system.)

13.Recheck options for the user.(Keeping recheck options before confirming submission)

14.Limitations about booking a trip.(for how much time user can book(optional)).

15. Booking Confirmation/cancellation via mail/SMS.

Appendices

Appendix A

Glossary