Software Requirements Specification

for

<Travel Agency Management System>

Version 1.0 approved

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1. Introduction

2. Purpose

Main purpose of developing this project is to develop a user-friendly software that includes all the latest features in it.

2.1 Document Conventions

Font type used**: **Calibri (Body)
***Highlighting type used**: Calibri Light (Headings)*
Every requirement statement have its own priority in this SRS.

2.2 Intended Audience and Reading Suggestions

The document is intended for developers, project managers, testers, and documentation writers. Describe what the rest of this SRS contains and how it is organized. Sequence of the SRS is given in template on the top.

2.3 Product Scope

2.3.1 Problem statement:

In daily life, common people faces problem while travelling. The main problems are:

2.3.1.1 Transport

It is very difficult for the user to go and book ticket in their office.

2.3.1.2 Residence while travelling

The traveler has no knowledge about hotels or any residence.

2.3.1.3 Less knowledge about tourists-points

Usually the users from one state have no knowledge about second state.

2.3.1.4 Privacy Things

Usually in tourist's places. The price of everything is so high. The other software's which offers the travelling facility are either very less user friendly (their users ends are very difficult to understand, only those persons can use them which has the complete info/knowledge about the user-end) or these software's offers very costly packages which a simple person cannot afford. One main problem of these systems is that they lack features which are costly used by common persons (means absence of all in one features).

2.3.2 Scope:

The solution of above stated problem is:
There should be a system which has all k key features which are mostly used by common persons.
The software must have such user-interface which is easily understandable by common persons (illiterate persons).
The software must have cost effective packages for the common peoples.
Our software offers the users:

2.3.2.1 Transport facility:

Our own cost effective transport.

2.3.2.2 Residence:

Booking in user desire hotels.

2.3.2.3 Travel agents:

The software offers the travel agents who have the knowledge about the different places at tourist points. The user can easily hire the agents from the software.

2.3.2.4 Cost effective offers:

Over all the package is very cost-effective for the user. The user has the advantage of time and money saving.

2.4 References

Zero references.

3. Overall Description

3.1 Product Perspective

As application will be used locally. In domain of TAMS, the main functions are performed by administrator, user of the TAMS and travel agents which are hired by administrator.
At start, the user have to give his required details and his destination point, then the administrator shows him all the possible ways to reach his destination (by air or by road etc.) and shows him further facilities (like if he want to stay in a hotel then he shows him that option too). Then the user select his desired option included needed facilities. Then the administrator assign these tasks to different travel agents area-wise. At the time of booking the user have to pay some money in advance and then at departure time, the user have to pay all his dues.

3.2 Product Functions

- *Login*
- *Registration*
- *Add function*
- *Agreement*

- *Remove function*
- *Check Packages and Offers*
- *Specific Destinations*
- *Feedback*
- *Report*
- *Emergency*

3.3 User Classes and Characteristics

In this project there will be two main user classes
Common Person (Who have no technical knowledge)
Travel Agent (has less knowledge about domain)
Administrator has more priority then other two user classes.

3.4 Operating Environment

Travel agency management system's software is compatible with pantium-3 and all other higher version systems then pantium-3.

3.5 Design and Implementation Constraints

The developer has to develop the application using python or java.
There are many government laws and restrictions imposed on the project development but this project has time and budget constraint as the developer must has to complete the project with 6 months and he is not allowed to get more then 500$ from customer.

3.6 User Documentation

A simple user manual is given in soft form for the users and in hard form for the customer which has the details about how to use the functionalities of their own (functionalities of user and customer domain).

3.7 Assumptions and Dependencies

- *There must be a chance that the government policies have been changed at the time of delivery.*
- *The organizational rules changes.*
- *The customer's change of mind.*

4. External Interface Requirements

4.1 Software Interfaces

In this project an external database is used, is attached with the software to save and retrieve the data from it.

4.2 Communications Interfaces

This software will use weather forecast system app to get the weather details and show them to the users so that they can decide at which day they have to start raveling.

5. System Features

5.1 System Feature 1

<Don't really say "System Feature 1." State the feature name in just a few words.>

5.1.1 Description and Priority

1. User requests for login from portal by giving username and password.
2. The user give details for his required destination point.
3. User selects the place by giving his details and pay the advance payment to confirm seat.
4. The user will request for the starting date and time for the journey.

5.1.1 Stimulus/Response Sequences

1. System matches the name and password and allow the use to login.
2. System checks it in his database and show him/her the result.
3. System sends the user details to administrator and after confirmation, the system allows the user to reserve the seat and make online transactions.
4. The system accepts the user request and show him/her the date and time to start traveling.

5.1.2 Functional Requirements

< The system must have following functionalities.

5.1.2.1 Registration:

The section is for newly visiting users. The user have to enter his all his details required by the administrator. Then after entering his details, the user choose a username and password to create his account.

5.1.2.2 Login:

Login function performed by three type of persons.

1. Admin
2. Travel Agent
3. User

To login a person must have a username and a password. After login, all persons use different functionalities of the software.

5.1.2.3 Add function:

This function is used by administrator. After login, the administrator can access this function. This function is used to add:

- Travel Agents
- Hotels
- Traveling Vehicles

Before adding TAs (traveling agents), the TA`s first give their complete job related info to administrator then the administrator adds it in database.
The different hotels first give complete info about features of their hotel and packages for staying to the administrator and then the administrator adds it in database.
The owners of different vehicles first give their complete info about specs of their vehicles to the administrator then the administrator adds it in database.

5.1.2.4 Agreement:

There is an agreement b/w the owner and the administrator before hiring for work and adding in database. This agreement consists of different rules created by owner and administrator. The agreement is b/w administrator and:

- Travel Agent
- Hotel Owner
- Vehicle Owner
-

5.1.2.5 Remove Function:

This function is used by administrator. This function is used to remove:

- Travel Agent
- Hotels
- Traveling Vehicles

Due to some reasons when a travel agent is not available (resigned from the job or fired or when the agreement b/w TA and administrator ends), the administrator removes him from the database.
When the agreement b/w hotel administration and the administrator ends and the one or both parties agreed to not renew agreement then the administrator removes the name of that hotel from the available hotels list.
When the agreement b/w vehicle`s owners and the administrator ends or any due to any other issue the agreement cancels b/w both parties, the administrator removes the vehicles from database.

5.1.2.6 Travel agent Functions:

After login, the travel agent checks for his customers assigned by administrator. When he completes his task he checks an option to yes to inform the administrator that he completed his task.

- Below two functions are performed by the end-user.

5.1.2.7 Check Packages and Offers:

In this section the user can see the different offers by the administrator and complete package for to specific place. The can select the different packages and offers.

5.1.2.8 Specific Destinations:

In this function the user have to put his destination with all required facilities e.g. transport vehicle, traveling agents, reservations in hotel, and departure place.

- Below three functions are performed by end-user as well as travel agents.

5.1.2.9 Feedback:

In the section the user and TA rates the software by his experience. If he has some report he can also write in it. The user/TA can also suggest any new useful feature to the administration staff.

5.1.2.10 Report:

In this section the users of software (user and travel agents) can report any problem created by software or the problems he face while traveling. The user as well as the travel agent also report any kind of problem he experienced while traveling.

5.1.2.11 Emergency:

In any emergency situations, the user can as well as the travel agent report that emergency problem in this section for quick response e.g. the missing report of any traveler or travel agent or stolen of traveling vehicle. Any misadventure or accident can be reported in this section.

System Feature 2 (and so on)

6. Other Nonfunctional Requirements

6.1 Performance Requirements

6.1.1 User Friendly:
System must be user friendly because the main users of system are common peoples

6.1.2 Portability:
Our system is portable enough for user that they will use it on low price/ cheaper devices.

6.2 Safety Requirements

6.2.1 Portability:

Our system is portable enough for user that they will use it on low price/ cheaper devices so that if any damage occur to the device the user of software will easily transfer it to other system.

6.3 Security Requirements

6.3.1 Security

Sit is very important t make system secure as the money transections are involved in the process so to guard the users wealth it is necessary to make system secure.

6.4 Software Quality Attributes

6.4.1 Efficiency

Our system must be efficient so that it can use less user resources and give more output to them.

6.5 Business Rules

- *Personal economical gain.*
- *Benefit for organization.*
- *Benefit for customer etc.*