
Software Requirements Specification

for

Travel Management System

Version 1.0 approved

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Revision History

Name	Date	Reason For Changes	Version

Introduction

1.1 : Purpose

Our goal is to offer a variety of travel service that are sure to match all your priorities. Our objective is to globalism,organize,standardize and goal of journey towards perfectionism. Our goal is to make strong relationship with customer so that they can enjoy their holiday dreams. Our objective is just an initiative, it will be made to more further and developed work of an art.

1.2 : Document Conventions

The Functional requirements are in Bold font. Some words are highlighted to understand the SRS document easily. Here are some short forms that used :

SRS – Software Requirements Engineering

GUI – Graphical User Interface

DBMS – Database Management System

1.3 : Intended Audience and Reading Suggestions

The document is intended for developers,users and documentation writers.

1.4 : Product Scope

Access website through PC or with any mobile devices browser. We provide services to India's best places. Go cashless and pay online. We provide cancellation based on some terms and conditions.

1.5 : References

⑩ *EEE. IEEE Std 830-1998 IEEE Recommended Practice for Software Requirements Specifications.IEEE Computer Society, 1998.*

⑩ *Software Engineering by Roger Pressmen.*

Overall Description

2.1 : Product Perspective

For the people who are planning a lovely trip with their friends or family, our website “yestotrip” is a travel management website that allows users to travel best places with

great package deals, minimal cost & maximum facility. Unlike any other website sharing the same motto, we believe that your time and schedules are valuable, so travel at your own comfort from anywhere, anytime, any place.

2.2 : Product Functions

- ⑩ System Provides Registration/Log-in facility for Customers.
- ⑩ System Provides Booking facility to book places.
- ⑩ System Provides facility to Update customers trip/trips.
- ⑩ System Provides payment facility to pay online.
- ⑩ System Provides Trip Details.
- ⑩ System Provides Cancellation facility.
- ⑩ System Provides Refund facility
- ⑩ System Provides Feedback facility.

2.3 : User Classes and Characteristics

User differentiated on the basis of their technical expertise, are as follows:

- ⑩ Students
- ⑩ Professors

2.4 : Operating Environment

Server Side

- Processor : 2.0 GHZ
- RAM : 2 GB
- Hard Disk : 30 GB free space

Client Side

- Processor : 2.0 GHZ
- RAM : 2 GB
- Hard Disk : 2 GB free space

Software Specification

Server Side:

Operating System : Window Server 2008 or any compatible operating system.
Runtime Environment : .Net Framework 4.0

Client Side:

Operating System : windows XP or any compatible OS

2.6 : User Documentation

A well-documented user manual will be provided after the completion of the project to delineate all the features of administration and other users account.

External Interface Requirements

3.1 : User Interfaces

The website should work and be tested for Firefox, Google Chrome. The website will be fully compatible with any modern web browsers that support JavaScript.

3.2 : Hardware Interfaces

The device should be enabled with the Internet.

3.3 : Software Interfaces

Server Side:

- Operating system: Any operating system which has a graphical user interface
- Web Server: IIS Express
- Database: ADO.net
- Technology: ASP.net and C#

Client Side:

- The user's browser should support HTML5 and JavaScript and cookies must be enabled for a satisfactory user experience.

3.4 : Communications Interfaces

The system will require the HTTP + SSL protocol to provide a secure communication interface over the internet.

System Features

4.1 : System Provides Registration/Log-in facility for Customers.

Input : user credentials

Output : registration_successful_flag

Description : System will take credentials and register user or log-in user.

4.1.1 System provides Registration facility for customer.

Input : user credentials

output : login_successful_flag

Description : System will take credentials from user and make user register to website.

4.1.2 System provides log-in facility

Input : user credentials

output : login_successful_flag

Description : System will take user credentials from user and make user log-in.

4.2 : System provides Booking facility to book places

Input : login_successful_flag

output : list of places

Description : System provides facility to search places,to select dates,method of travel and will give list of places available to customer.

4.2.1 System provides facility to Search for places

Input : login_successful_flag

output : selected place

Description : System will provide facility to select source place and to select places to travel from given list.

4.2.2 System provides facility to Pick Dates of traveling

Input : selected place

output : selected date

Description : System will provide facility to select date for given selected place

4.2.3 System provides facility to select method of travelling

Input : selected date

Output: method selected

Description : System will provide facility to select method of travelling

4.2.4 System provides facility to see availability of ticket

Input : selected place,date,method

Output : list of places

Description : system provides facility to check whether ticket is available for given input

4.3 : System provides facility to update trips

Input : list of places

Output : updated list

Description : System will provide facility to add/remove places to user

- 4.3.1 System provides facility to add places
Input : list of places
Output : updated list
Description : System provides facility to add place to existing list of places
- 4.3.2 System provides facility to remove places
Input : list of places
Output : updated list
Description : System provides facility to remove place to existing list of places

4.4 : System provides facility to Pay Online

Input : updated list
Output : booking confirmed flag
Description : System provides facility to pay online via paytm after giving expense details

- 4.4.1 System provides expense details
Input : updated list
Output : expense details
Description : System provides details of all places i.e. Expense details
- 4.4.2 System provides facility to pay online
Input : expense details
Output : User will pay via paytm to book ticket
Description : User will pay via PayTM to book ticket

4.5 : System provides Trip Details

Input : booking confirmed flag
Output : trip details
Description : System provides facility to show all details of trips after confirm of booking and user can print it.

4.6 : System provides facility of Cancellation

Input : booking confirmed flag
Output : cancellation flag
Description : System provides facility to cancel all trips selected by user then user can remake all plans

4.7 : System provides facility of Refund

Input : cancellation flag
Output : Refund flag
Description : System provides refund to user based on some terms and conditions

4.8 : System provides facility of Feedback

Input : refund_flag or booking_successful_flag

Output : feedback_flag

Description : System provides facility to feedback this system if user wants to give.

Other Nonfunctional Requirements

5.1 : Performance Requirements

The website should be hosted on a server that can provide adequate response time. College students tend to have short attentions spans, so a slow server would not be satisfactory for this application. The website must serve at least 50 simultaneous users under normal operating conditions.

5.2 : Safety Requirements

Information transmission should be securely transmitted to the server without any changes in information.

5.3 : Security Requirements

- The software, i.e. the website should be strong enough to avoid hacking through XSS or SQL vulnerability.
- Nobody should be allowed to tamper with data. It should be made sure that only users who are given specific rights can access data.

5.4 : Software Quality Attributes

- **Availability:** If the internet service gets disrupted while sending information to the server, the information can be sent again.
- **Scalability:** If the number of users of the system increases, it must not affect system performance.
- **Reliability:** As the system deals with confidential and important information of college and students, it must be made sure that the system is reliable in its operations and for securing the sensitive details.