Title: E-Tour

Group Members: Aishwarya Jadhav, Rani Shelke

List of Actors: Admin, Authorized Customer/Tourist(End-user)

Purpose:

This document is meant to delineate the features of TMS, so as to serve as a guide to the developers on one hand and
a software validation document for the prospective client on the other. Tour Management System is a web-based project or application for travel agencies.
The main objective of this project is to create a fast, effective and reliable online working platform to develop a communication system between customers and the agency. After the implementation of this project, one doesn't need to visit the travel agency office to plan any tour also it will providing information
regarding different places, distances and the ways of getting there. This project is beneficial for both travel management agencies and the customers in many ways.
TSM is used to automate all process of the travel and tourism, which deals with creation, booking and confirmation and user details.

Scope: TSM allows the user of the system access all the details such as location, events, etc. Also it helps tourism companies to manage customer. The system can also be used for both professional and business trips.

Definitions:
TMS -->   Tour Management System
SRS -->   Software Requirement Specification
Portal-->   Personalized Website
End-user-->   user who is going to use the website for booking tours
RDBMS -->   Relational Database Management portal.

Overview:
This portal provides flexibility to end-user to book and plan the tour accordingly ,and availability of tour booking just by sitting at home, one doesn't need to visit the travel agency office to plan any tour.

Additional Information:

➢ This website gives security for security of data of user during user registration and authentication.

➢ The users can sign in and book each project, they can be confirmed by the admin in there manage booking page also it provides you with some discounts on booking a tours depending on various seasons and offers and one can planning the perfect trip.

General Description:

The tour management system portal will help the people by reducing the chaos of going out and visit the travel agency office. Anytime and anywhere , anyone can access to the website and book accordingly.

Functional Requirement:

This section provides requirement overview of the portal. Various functional modules that can be implemented by
the portal will be-
1) User Registration
2) Package Creation
3) Package booking
4) Booking confirmation

Description:

1. User Registration : This module covers the details about the registration of users which they can be register by itself by adding data like name, password, email id and further details. After registration they can be sign in by their username and password.

2. Package Creation : The admin can create packages by creating package page which the type, price, details, place details all the travel tour package details can be added here. Which it will be showed in user homepage.

3. Package booking :In this module maintain the booking of travel packages by the user by selecting a various packages with date and certain comments.

4. Booking confirmation/manage : Booking confirmation is the process of confirming the booked packages by the admin that is booked by the user with date and comment.

Technical Issues:

This portal will work on client-Server architecture. It will require an internet server.
The portal should support some commonly used browser such as Chrome etc.
Interface Requirement Various interfaces for the portal could be
1.Login Page,

2.Registration form

There will be a screen displaying information about various occasions (religious events) .
The user may select the different options which will be open in another screen as

1.Login Page
2.Registration Form
3.Tour Package information page
4.Booking details
5.Booking Confirmation
6. Contact Us

Performance Requirement:

There is no performance requirement in this portal, because the server request and response to client is totally based on internet connection of end user.

Design Constrains:

Non-Functional Requirements
1.Security:
 SSL-The portal use SSL (Secure Socket Layer) in all trancations that include any confidential user information.
The portal must automcatically log out all user after a period of inactivity.
The portal should not leave any cookies on the user's computer containing user's password.
The portal's back-end servers shall only be accessible to authenticated administrators.
Sensitive data will be encrypted before being sent onver insecure connections like internet.
The proper firewalls should be developed to avoid intrusions from the internal or external sources.

2.Reliability:
The portal provides storage of all databases on redundant computers with automatic switchover.
The main pillar of reliability of the portal is the backup of the database
which is continously maintained and updated to reflect the most recent changes.

3: Availability:
The portal should be available at all times. means the user can access it using web browser, only restricted by the down time of the server on which the portal runs. In case of a of a hardware failure or database corruption, a replacement page will be shown.
uptime : It mean 24 * 7 availability

100%--------------
99.9%
99.999%
99.9999\%

4: Maintainability:
A commercial database is used for maintaining the databae and application server takes care of the site. The maintainability can be done efficiently.

5.Portability:
The application is HTML and scripting language based (Javascript). So the end user part is fully portable and any portal using any web browser should be able to use the features of the portal,including any hardware platform that is available or will be available in the futuer.
An end-user is used this portal on an OS;either it is Windows or Linux.
The portal shall run on PC, Laptops and PDA.etc.
The technology should be transferable to different environments easily.

6.Accessibility:
 Only registered user should be allowed to process the orders after authentications.
 Only GUI access of the portal should be permited to end user.

7.Policies:
  The portal should aware to all the legal formalities of the particular countries.
  The portal should maintain security related to sensitive data.

8.Efficiency:
The portal should provide good throughput and response to multiple user without burdening the portal by using appropriate number of servers.

9.Safety:
Software should not harm ethical and environmental conditions of the end user machine.

10.Modulariy:
   The portal should have user friendly interface.
   It should be easily updated,modified and reused.