



Course Name: Object Oriented Software Development

Course Code: SWE-331

Project Proposal

on

Tourism Intelligence Guide

Submitted to:

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## **Purpose**

Over the years, tourism has continued to gain massive interest at a global scale. It is a major foreign exchange earner for a good number of advanced and emerging economies. It is also true that information explosion makes it cumbersome times to access relevant information to enhance decision making. This has given rise to the emergence of intelligent systems that facilitate quick access to relevant content found in the Internet.

In this era that has witnessed rapid advances in information technology, information overload has become a serious problem to those seeking for information online. Recently, intelligent search mechanisms have been deployed on the web that shows that the problem of information overload can be partially eliminated by providing a platform with more intelligence to assist tourists in the search for relevant information.

Google.com is an example of an intelligent search engine that helps users with information and another class of intelligent system that has proven relevant in addressing the problem of information overload are recommender systems.

In the aspect of tourism, Internet and web technologies have made more readily available information on tourist locations, accommodations, transportation, shopping, food, festivals, and other attractions, thus improving tourism experience.

The goal of this web application is to design and implement intelligent platform that will aid tourists in all over the world have access to information on tourist locations thus help fasten their decision making process.

## Functional Requirement

The Functional Requirements Specification is designed to be read by a general audience. Readers should understand the system, but no particular technical knowledge should be required to understand the document.

<b>FR-01</b>	Package List
<b>Description</b>	This module helps tourist to get information of details tour package list including most popular packages and also help tour agencies to add the information of tour package list.
<b>Stakeholders</b>	Agencies, Tourist

<b>FR-02</b>	Hotels
<b>Description</b>	This module helps tourist to get information of different classes hotels and also help tour agencies to add the information of different classes hotels
<b>Stakeholder</b>	Agencies, Tourist

<b>FR-03</b>	Flights
<b>Description</b>	This module helps tourist to get information of details flights schedule and also help tour agencies to add the information of flights schedule.
<b>Stakeholders</b>	Agencies, Tourist

<b>FR-04</b>	Blog
<b>Description</b>	This module helps tourist to get tips how taking a long term trip with kid in expected destination and also help tour agencies to add the information of most popular destination.
<b>Stakeholders</b>	Agencies, Tourist

<b>FR-05</b>	<b>Contacts</b>
<b>Description</b>	This module helps tourist to ask any things about details information of tour destination, hotels, flights schedule and also help tour agencies to add the information of most popular destination.
<b>Stakeholders</b>	Agencies, Tourist

## None Functional Requirement

The flexibility of current frameworks encourages system architects to enable reconfiguration mechanisms that refocus the available, safe resources to support the most critical services rather than over-provisioning to build failure-proof system.

## Reliability and Availability

<b>NFR-01</b>	The system must be available 24x7
<b>Description</b>	<ul style="list-style-type: none"> <li>• The system must be available 24 hours in a day</li> <li>• The system must be updated regularly</li> <li>• The system must publish the notice,</li> </ul>
<b>Stakeholders</b>	Admin, Agencies ,Tourist

## Maintenance Requirements

<b>NFR-02</b>	The system helps to update any information in any time
<b>Description</b>	The admin and Agencies can post any events and can enable to change or update any information in any situation
<b>Stakeholders</b>	Admin, Agencies ,Tourist

## Access Requirements

<b>NFR-03</b>	The system provides security strategies.
<b>Description</b>	The system is designed in way that allows all modules to access a mechanism that provides security services.
<b>Stakeholders</b>	Admin, Agencies ,Tourist

## Business Process Reengineering

**Table 01: Process wise KPI and Concerns**

Process Name	Stakeholders	KPIs	Concern
Products sell,buy and blogging.	Users	Efficiency, Effectiveness, Ease of Use, Predictability, Reliability.	Building a Community of the users by a simple social networking.
Check products	Authority of system	Efficiency, Reliability, Availability, Accuracy.	Providing Reliable Information to the users
System Assistant	Developers	Reliability, time, accuracy, predictability, effectiveness, efficiency	Providing suggestions and notifications to the users, according to their search.

**Table 02: System Elements Role in Existing System and Suggested System**

		Existing System	Suggested System
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Process	Concern												
		Human	Non Computing Hardware	Computing Hardware	Software	Database	Communication and Networking	Human	Non Computing Hardware	Computing Hardware	Software	Database	Communication and Networking
Products	Check products only	Yes	N/A	Yes	Yes	Yes	Yes	Yes	N/A	Yes	Yes	Yes	Yes
Information Presentation	To make sure accurate and reliable informations are provided to the users.	N/A	N/A	N/A	Yes	Yes	Yes	Yes	N/A	Yes	Yes	Yes	Yes
Notification	Providing suggestions and notifications to the users.	N/A	N/A	N/A	Yes	Yes	Yes	Yes	N/A	Yes	Yes	Yes	Yes

