KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY (KIIT)

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HS Tours & Travels

A travel agency

Software Engineering

Under the Guidance of :

Prof. Jagannath

Presented By:

Hemant Kumar Yadav (1705040)

Hrishikesh Konderu (1705041)

Harsh Bajpai (1705038)

Shubham Soni (1705073)

Sachin Dhanuka (1705065)

Content

Introduction

HS Tours & Travels is a travel and events portal website to provide users different tours and travel packages depending upon their interests.It will allow users to register and search through various tours which will be displayed on the website.lt contains only relevant packages and services that are a need of customer. HS Tours & Travels has various packages which are basically services that HS Tours & Travels provides.HS Tours & Travels is designed especially for customers who have no time for selection holidays to manage their holiday we developed the HS Tours & Travels. HS Tours & Travels helps customers to go travel right path for their destination . HS Tours & Travels saves a lot of time for its users by giving only relevant and filtered services on almost all packages.Tours related info will be managed by admin panel in the back end and will be dynamic.Search will also be location-based and package based. Admin panel will be provided to manage locations, regions, packages, and tours as per search are done by the user.Once a user searches through the related info he or she will request a quote and email will be sent. Either user or travel admin will follow up.The request form will capture all important info like Email, name, number, etc.

India one of the most beautiful location of South Asia is also among the popular countries of the world. Therefore this tourist hub welcomes more than 5 million foreign tourists from different locations of the world. A trip to this beautiful country can reveal numerous mystic things regarding its culture , art , tradition , history etc. known for its spectacular ,India has become a favored place of visit for travelers from all over the world. Each state of this wonderful country is unique when it comes to the scenic beauty, nature of the people living in the country and the hospitality of Indians.

It is having following main features:

Packages
Blogs
Stories
Places to enjoy
Weekend Plans
Recommended Tours
Online Bookings

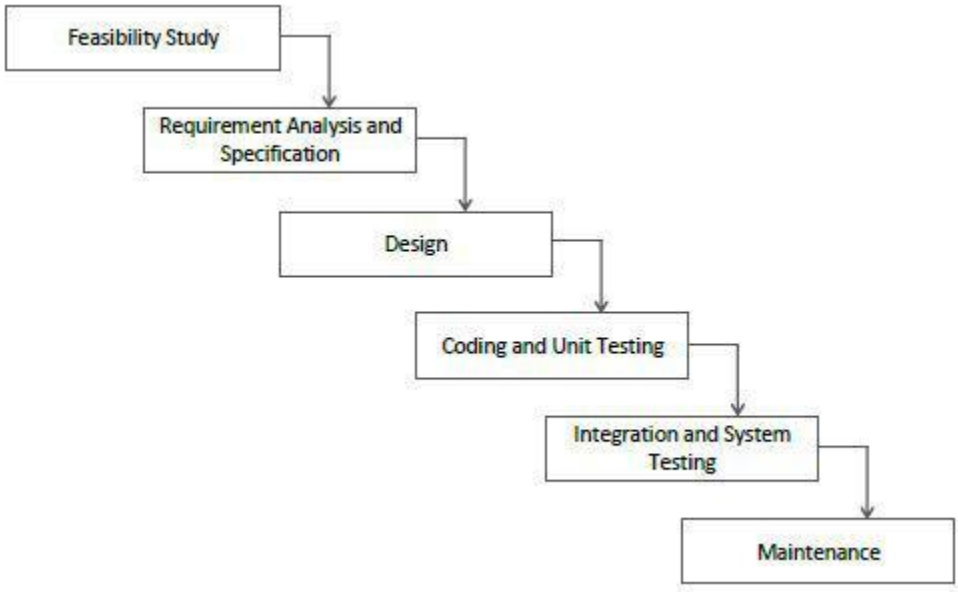
Project Development Approach

Software process model

To solve actual problems in an industry, software developer or a team of developers must incorporate a development strategy that encompasses the process, methods and tools layers and generic phases. This strategy is often referred to as process model or a software developing paradigm. A process model for software developing is chosen based on the nature of project and application, the methods and tools to be used, and the controls and deliverables that are required

Our Project Follows the Waterfall Model

The steps of the typical Waterfall Model are:
1. Feasibility Study
2. Requirement Analysis and Specification
3. Design
4. Coding and unit Testing
5. Integration & System Testing
6. Operation and Maintenance



Functional Requirements

2.1.1 SIGN UP

The tourist who wishes to avail of the facilities has to register with the system giving all the details.

2.1.1.1 INPUT

* full name
* mobile no.
* email id
* dob
* location
* password

2.1.1.2 OUTPUT

* Your id is successfully created message
* New record has been added to the userinfo table Of database.

2.1.1.3 Processing

* All input data is uploaded in the database and

user id is created

2.1.2 LOGIN

2.1.2.1 Input

* email id/phone number
* password

2.1.2.2 Output

* successful login of the user/re-enter the correct Password

2.1.2.3 Processing

* if login inputs are correct then open the account else re-enter password message is generated

2.1.3 Searching of package

This functionality will let user to search for desired packages with date , source and destination given by user. Also user will get filtered packages according to its inputs.

2.1.3.1 Inputs

* Date
* Source

* Destination

* Types (Economical , Luxurious and Medium)

2.1.3.2 Outputs

* List of all the available packages based upon the user inputs.

2.1.3.3 Processing required

* Make a query on the Available_packages table of the databases according to the user details. Now displayed all the result of the query.

2.1.4 Booking of Package

This functionality will let user to book the desired packages available based the search result .

2.1.4.1 Inputs

* Number of persons.

* Details of each person

* Preferred Meal (Veg or Non-veg).

* Emergency Contact number at time of tour. 3.3.1.1 Payment Process

All payment related task are performed

2.1.4.2 Outputs

* Conformation mail and message of booking of package.

* Get booking id in My Booking section.

2.1.4.3 Processing required

* Add a row in the Bookings table of the database and pass conformation.

2.1.5 MODIFICATION OF BOKING

The tourist can modify the package he/she has already booked like changing the dates of booking or cancel the booking

2.1.5.1 Modification

2.1.5.1.1 Input

* Booking id
* start date and end date of journey

2.1.5.1.2 output

* additional charges to pay by the user
* confirmation mail and message for the modified booking

2.1.5.1.3 processing required

* additional charges of new booking is calculated.
* modified data is replaced in the database

2.1.5.2 Cancelation the booking

2.1.5.2.1 Input

* booking id

2.1.5.2.2 Output

* confirmation mail of the cancelled booking
* amount refund initiation message

2.1.5.2.3 Processing

* data is deleted from database from bookings table

* refund initiation process is done for the customer

2.1.6 FEEDBACK

Options to give feed back by the users are coming under this Sub module.

2.1.6.1 Input

* booking id

* feedback related to the booking

2.1.6.2 Output

* message of successful submission of the feedback

2.1.6.3 Processing

*feedback is stored in then database

Non-Functional Requirements:

2.2.1 Performance Requirements

The Tourism management System application should be able to respond to the queries submitted by the customers in feedback. When a user searches for a tour location, the application should not take much time to return the results, and package information. Considering that the application is of moderate size, it should be able to display 10 results at a time

on each page, when the customer looks up for any particular data.

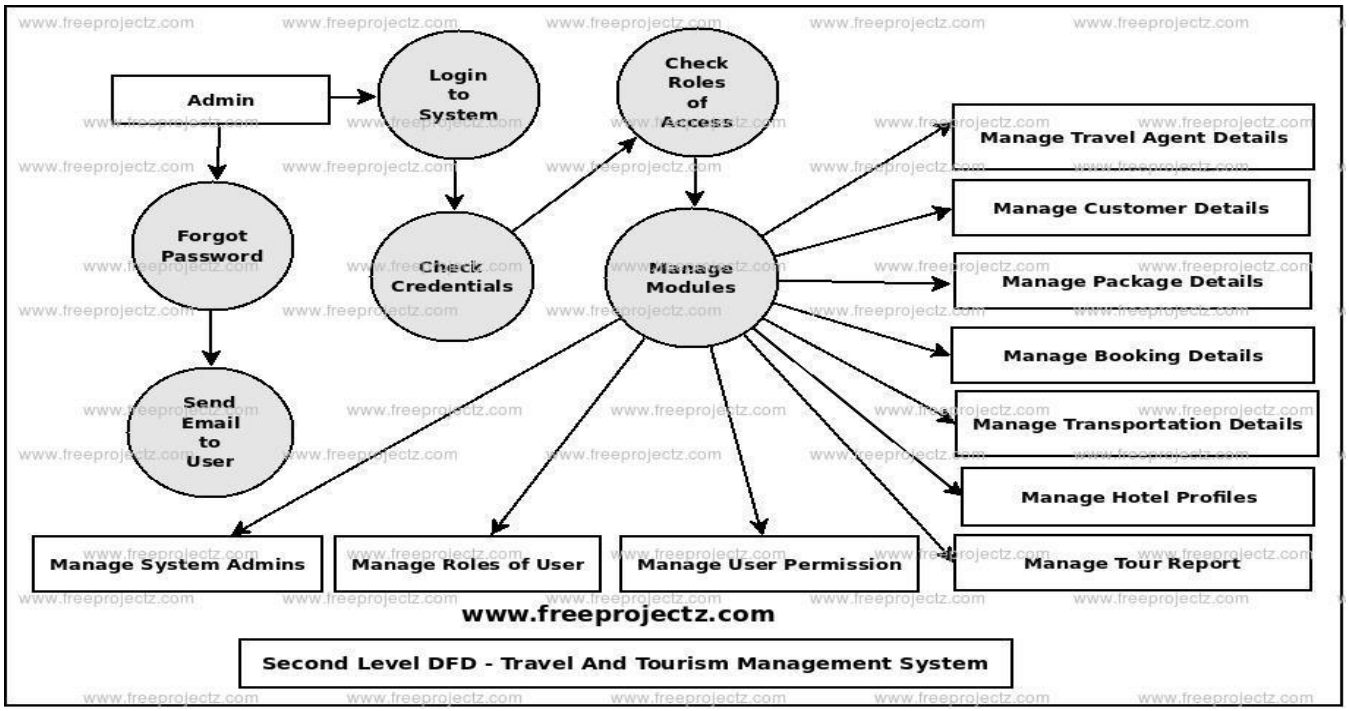
2.2.2 Security Requirements

It must be ensured that access will be provided to the authorized persons through Email ID and password.

Network security will be provided by the use of firewalls. Checks can be performed at regular internals to ensure data Integrity confirmation messages of successful

Bookings ,cancellation , refunds etc. will be sent to user Email ID.

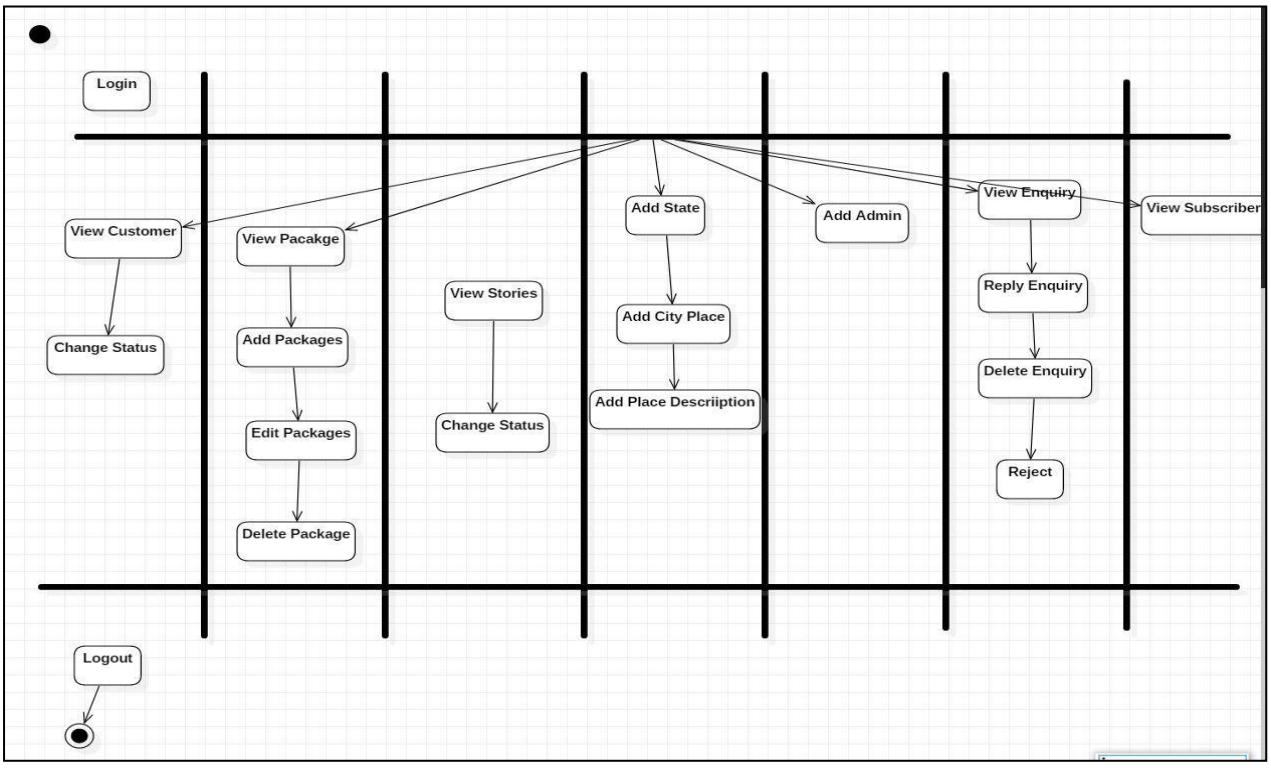
Quantitative Analytical Explanation(Designs): 3.1) Data Flow Diagram



3.2) UML Diagram

a)Use-Case Diagram

c) Activity Diagram



b). Methodology

Step 1: Front End Design and Tour booking Front end refers to visual layer of website and applications. Typically, the UI, layout, typography, images, and other visual elements and their styling. It comprises of,

Creating mockup and developing visual standards.
Structuring Semantic content.
Handling site accessibility.
Site typography
Page layout
Form Design
Interactivity and Animation
Creating site imagery.

Step 2:

Implementation of the layout through the framework:

Frontend: HTML and CSS
Backend : PHP And MySQL

Contribution:

The contribution to this project will go in many ways of the society and the present education system. Due to this project the pattern of selecting tour and travel packages will be totally changed by the automated system and will produce accurate, fast, and transparent result system.

Conclusion:

The following conclusions can be drawn from our system:-

Automation of the system improves the efficiency level.

It is a friendly graphical user interface when compared to the system that already exist.

It give authenticate access to the authorized users depending upon their user type.

It effectively overcomes the delay in communications.

System security, data security and reliability are the main features.

7) FUTURE DEVELOPMENT:

Development and launching of Mobile app and refining existing services and features and adding more service like rating the packages, review of the packages , adding comments to the experience.

Reference:

The following books were referred during the analysis and execution phase of the project

Software Execution Model

—Fundamentals of Software Engineering.

Frontend Implementation

— www.w3Schools.com

Backend Implementation

— www.google.com