

Project Report

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Project report submitted in partial fulfillment of the requirement for the award of the Diploma in Computer Engineering

By

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Certificate

This is to certify that the project report entitled **Rajasthan Tourism** being submitted by **Ms. Keyuri Modi** in partial fulfillment for the award of the Diploma in Computer Engineering to the Gujarat Technological University is a record of bona fide work carried out by him under my guidance and supervision.

Guide name:

(Mr. Chetan Ajudiya)

Head of Department

Computer Engineering

ACKNOWLEDGMENT

During the preparation of the project, we have a good fortune of receiving support, in various ways, from several personal, numerous to mention here. We owe a debt of gratitude to all of them.

It is our privilege to express our sincerest regards to our project coordinator, Mr. Chetan Ajudiya, for their Valuable inputs, able guidance, Encouragement, whole-hearted cooperation and constructive criticism throughout the duration of our project. We deeply express our sincere thanks to our Head of Department Mr.M B Kaleriya for encouraging and allowing us to present the project on the topic "Rajasthan Tourism".

It is our great pleasure to represent our project as one Website titled "Rajasthan Tourism" and which we conceived in the 5th semester of diploma computer engineering affiliated with G.T.U. (Gujarat Technological University).

We take this opportunity to thank all our lecturers who have directly or indirectly helped our project. We pay our respects and love to our parents and all other family members and friends for their love and encouragement throughout our career. Last but not the least we express our thanks to our friends for their Cooperation and support. We are also thankful to the G.T.U. (Gujarat Technological University) for including this project Development subject in our syllabus. We got a golden opportunity to test and implement our creativity and Programming skill simultaneously. Lastly, we would like to extend our sincere thanks to our advisors, Classmates as well as all the books and websites who have directly or indirectly helped us.

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ABSTRACT

This website is used to allow user to booking of hotels and packages and take information about "Rajasthan tourism" from their own devices using internet. Anyone can visit and login to our website or booking of hotel and package. Users could not have to visit for booking and waste their time just they have to login or register our website. This website for them who are very busy in their life style that has lack of time and its use full to all who can do online booking so they can do booking, it's for user convenience from our website and get conformation through message or email. Our website has good photo gallery of Rajasthan tourism.

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Raj	iasthan Tourism	Introduction
	ChapterNo:1	
	Introduction	
	Introduction	
	Introductiono Project Summery	
	Project Summery	
	 Project Summery Purpose	

project summary

- This project is aimed at developing an online booking and get information of Rajasthan.
- The website provides complete information regarding information of Rajasthan and bookings of hotel and package for Rajasthan.

The goals of system are:-

- To provide information about Rajasthan.
- To provide details of hotel and packages.
- To increase comfortablities of people and time consuming.

purpose

- The main purpose of online hotel booking and package booking is to provide another way to buy tickets.
- The online booking system is an internet based application that can be accessed throughout the net and can be accessed by anyone who has a net connection.
- It is an automatic system, where we will automate the booking of hotel and package.

Scope

- The scope of this project is to provide an easy option for the customer who is willing to book hotel and package
- It saves his time and labor.
- This system can be accessed anywhere who has net connection at any time of day or night, thus providing user's comfort.

Technology & Literature Review

Front End:

Hypertext Mark-up Language (HTML) is the main mark-up language for creating WebPages and other information that can be displayed in a web browser.

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation semantics (the look and formatting) of a document written in a mark-up language.

\square PHP

PHP stands for Hypertext Pre-processor. It is used for developing web application with easy way. It is developed by RasmusLerdorf in 1994. Actual name of PHP is Personal Home Page.

PHP is officially known as: Hypertext Pre-processor. It is server side scripting language usually written in HTML context. It is considered as open source means we do not have purchase it, it is freely available for us and we can make changes as per our requirement.

A PHP script not sent directly to a client by the server, instead, it is passed by the PHP binary or module

What is PHP?

- PHP is an acronym for "PHP: Hypertext Pre-processor"
- PHP is a widely-used, open source scripting language
- PHP scripts are executed on the server
- PHP is free to download and use

What is a PHP File?

- PHP files can contain text, HTML, CSS, JavaScript, and PHP code
- PHP code are executed on the server, and the result is returned to the browser as plain HTML
- PHP files have extension ".php"

What Can PHP Do?

- PHP can generate dynamic page content
- PHP can create, open, read, write, delete, and close files on the server
- PHP can collect form data
- PHP can send and receive cookies
- PHP can add, delete, modify data in your database
- PHP can be used to control user-access
- PHP can encrypt data

Backend:

MYSQL SERVER 2010

It included native support for managing XML data, in addition to relational data. SQL Server 2010 introduced Multi-Version Concurrency Control. User facing features include new transaction isolation level called SNAPSHOT and a variation of the READ COMMITTED isolation level based on statement-level data snapshots.

Rajasthan Tourism	project planning and scheduling
<u>Chapter No</u>	<u>0:2</u>
Project planning and	d scheduling
o project planning and schedul	ling

Project Planning and Scheduling

- Project Planning is the most basic point of development any project.
- The care should be taken while planning at this stage will decide the success or failure of any Product.
- The following thing is very important while planning for a project:

Available Time

The main feature of developing any project is time management. Any person, who is developing project, should have a perfect time scheduling to successfully complete the project. When he/she has the details of available time, he/she can further plan and distribute the time, which in turn will allocate sufficient time to each stage of project development.

Available Resources

The information about availability of the resources is also equally important because at the time of developing a project the Software Engineers will require a lot of resources.

Complexity of Project

Developer should study the complexity of the project which will help in future. So, at the time of certain troubles developers will easy check and improve it.

project planning and scheduling

Task Name	Start	Finish	Done By
analysis	25 Jun	02july	Keyuri
Requirement gathering	09 July	16 July	Keyuri
Designing	23 July	06 Aug	Keyuri
coding	13aug	27 Aug	Keyuri
testing	03 Sep	10 Sep	Keyuri
implementation	17 Sep	24 Sep	Keyuri
documentation	24 Sep	01oct	keyuri

Table 2.1 planning & scheduling

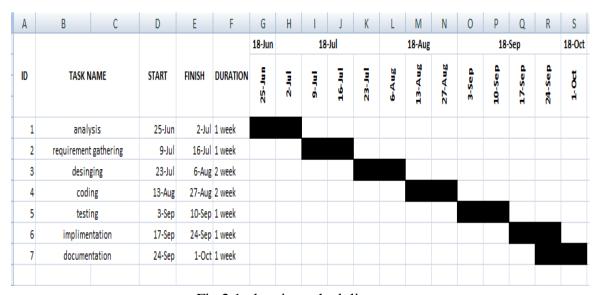


Fig 2.1 planning scheduling

Rajasthan Tourism	Formal Specification & Requirement Gath
<u>Cł</u>	napter No: 3
Formal Specifica	ation and Requirement Gathering
- 0	·····
 Formal Specification 	n
 Requirement Gather 	
	8
	Page 10

package booking

Formal specification

Functional specification: Non-functional specification: Requirement specification of admin: Requireme nts: R1: login R2: add / remove user R3: add / remove details R4: add / remove package details R5: give reply of feedback R6: bookings Requirement specification of user: Requirem ent: R1: login R2: create profile R3: hotel booking R4:

System requirement specification for admin

R1: LOGIN

Description: This functionality will be used for authenticate access of user.

State: This is the beginning point, a user screen with user name and password will be displayed.

Input: Input to the system would be password & user name.

Output: Output will be the result of the authentication process.

Process: User input will be match against the valid account details and according to its decision will be generated. I.e. authenticate user or not.

R2: ADD/REMOVE USER

Description: Using this functionality ADMIN will add or remove a user.

State: user will be logged in, add user form with add and remove functionality will be displayed.

Input: Input to the system would be name, address and other

details. Output: Output will be the result of add or remove a

user.

Process: User input will be valid than add or remove user.

R3: ADD/REMOVE HOTEL

Description: Using this functionality ADMIN will add or remove a hotel.

State: user will be logged in add hotel form with add and remove functionality will be displayed.

Input: Input to the system would be hotel id, hotel name, rooms

etc. Output: Output will be the result of add or remove a hotel.

Process: User input will be valid than add or remove hotel.

R4: ADD/REMOVE PACKAGE

Description: Using this functionality ADMIN will add or remove a package.

State: user will be logged in add package form with add and remove functionality will be displayed.

Input: Input to the system would be package id, package name

etc.

Output: Output will be the result of add or remove a package.

Process: User input will be valid than add or remove package.

R5: RESPONSE USER'S FEEDBACK

Description: Using this functionality ADMIN will be able to view MEMBER

feedback and give response member's feedback.

State: user will be logged in, feedback form with response feedback functionality will

be displayed.

Input: Input to the system would be subject, Message, etc.

Output: Output will be result of response member's feedback.

Process: Data of particular feedback is valid than reply a

message. R6: BOOKING

Description: Using this functionality ADMIN will be able to view booking details.

State: user will be logged in, manage hotel booking, manage package booking form

will be displayed.

Input: Input to the system would be id of member.

Output: Output will be the result of booking data.

Process: Data of particular order displayed from

database.

System requirement specification for member

R1: LOGIN

Description: This functionality is user for authentication of user.

State: User will have account in the system; screen asking for login detail will be

displayed.

Input: use will provide use name and password to site.

Output: Access to system if sign in details are correct else error message.

Process: User input will be authenticated with database records, if user appears as a

valid, user .Will be successfully signed in, and else appropriate error message will be

displayed. R2: CREATION OF PROFILE

Description: This functionality will be used for creating the profile of user. This will include basic details of user.

State: user will be logged in to access this functionality. Before this point user hasn't

created profile.

Input: Input to the system would be the bunch of valid details.

Output: if the user input is valid system will store in database for particular user name.

Process: User input is validated and valid details are recorded in database.

R3: HOTEL BOOKING

Description: This functionality will allow user to book

hotel. State: user will be logged in to access this

functionality.

Input: Input will be the bunch of details.

Output: Output will be the display of booking details.

Process: User input are validated than confirm

booking. R4: PACKAGE BOOKING

Description: This functionality will allow user to book

package. State: user will be logged in to access this

functionality.

Input: Input will be the bunch of details.

Output: Output will be the display of booking

details. Process: User input are validated than

confirm booking.

Requirement Gathering

Software Requirement:

Front End Tool: PHP

Back End Tool: MySQL

Development Tool:

Notepad++

Xampp server

Wamp server

Supported Operating Systems.

Windows 8.1 (32-bit/64-bit), Windows 8 (32-bit/64-bit), Windows 7 (32-bit/64-bit), Windows XP.

Supported Browsers.

- Microsoft Internet Explorer
- Mozilla Firefox
- Google Chrome

Hardware Requirement:

Processor used: Intel i3

■ RAM: 4 GB

• Operating System: 64 bit

Rajasthan Tourism	System Analysis
Chapter No	<u>: 4</u>
System Ana	alysis
o Analysis (SDLC)	
o Design	
■ E-R Diagram	
DFD	
 Use case Diagram 	
 Data Dictionary 	

Analysis (SDLC)

The systems development life cycle (SDLC), also referred to as the application development life-cycle, is a term used in systems engineering, information systems and software engineering to describe a process for planning, creating, testing and deploying an information system.

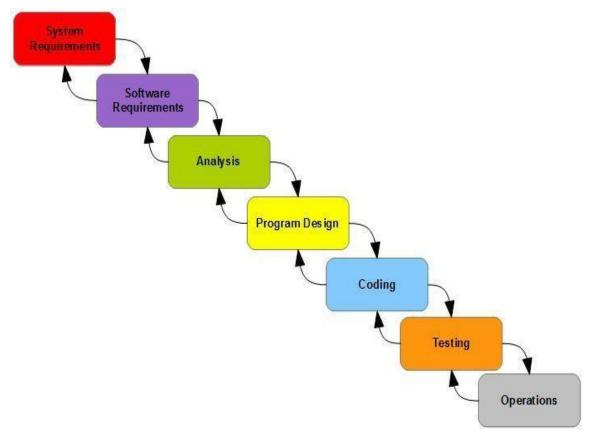


Fig 4.1 Iterative Waterfall

- Rajasthan Tourism is a small system with all functionality and specification.
- ITERATIVE WATERFALL Model is used for development process of online website Rajasthan tourism.
- The incremental Model is an evolution of the waterfall model, where the waterfall model incrementally applied. The Incremental Process Model combines elements of the linear sequential model (applied repetitively) with the iterative philosophy of prototyping.

Implementation of iterative model in this project:

- At first we try to find the requirements of information about the system of order items which he user wants.
- After getting the requirements, we find out its alternative.

Design

E R Diagram

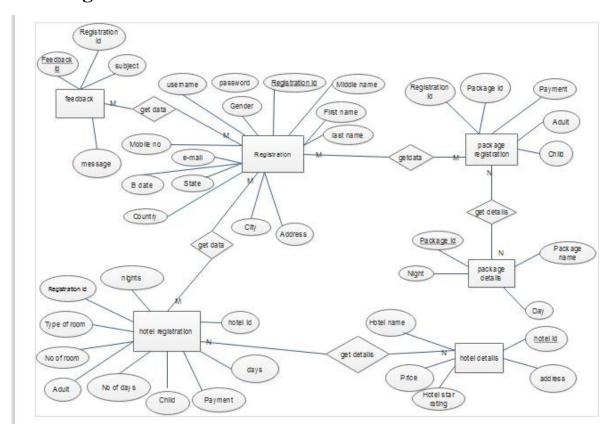


Fig: 4.2.1 ER-diagram

DFD LEVELS DFD LEVEL 0



Fig 4.2.2.1 DFD LEVEL 0

DFD LEVEL 1 ADMIN

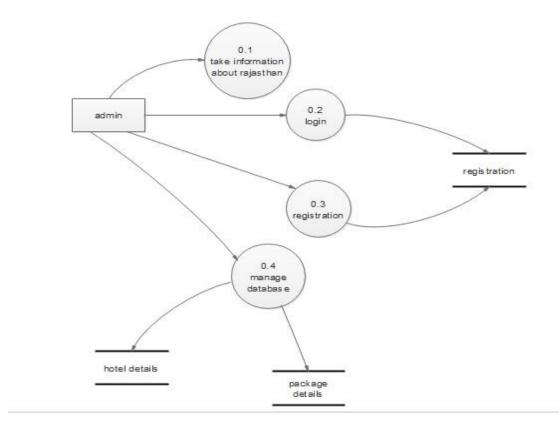


Fig 4.2.2.2 DFD LEVEL 1 ADMIN

DFD LEVEL 2 USER

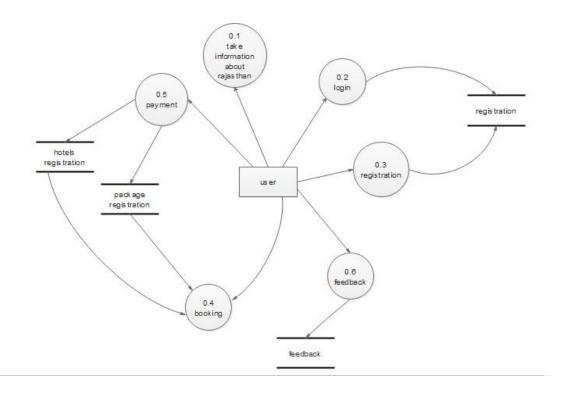


Fig 4.2.2.3 DFD LEVEL 2 USERS

Use Case

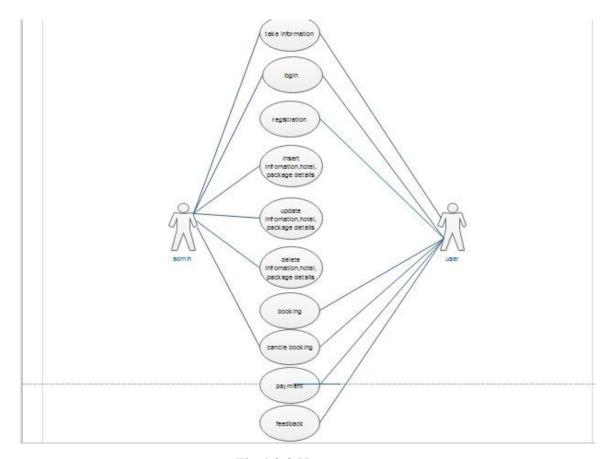


Fig 4.2.3 Use case

Data Dictionary

Table 1: Registration

NO	FIELD NAME	DATATYPE	DESCRIPTION	ALLOW
				NULL
1.	Username	Text()	Username	No
2.	Password	Text()	Password	No
3.	Registration Id	Number()	Id Of Register	Primary Key
4.	First Name	Text()	First Name	No
5.	Middle Name	Text()	Middle Name	No
6.	Last Name	Text()	Last Name	No
7.	Address	Text()	Address	No
8.	Mobile No	Number()	Mobile Num	No
9.	B Date	Date()	Birth Date	No
10.	Gender	Text()	Gender	No
11.	E-Mail	Text()	Email Address	No
12.	City	Text()	City	No
13.	State	Text()	State	No
14.	Country	Text()	Country	No

Table 2: Hotel Booking

NO	FIELD NAME	DATATYPE	DESCRIPTION	ALLOW
				NULL
1.	Registration Id	Number()	Registration Id	Foreign Key
2.	Firstname	Text()	First name	No
3.	Lastname	Text()	lastname	No
4.	Hotelname	Text()	Name of hotel	No
5.	Address	Text()	Address of customer	No
6.	City	Text()	City	No
7.	State	Text()	state	No

System Analysis

8.	Mobileno	Number()	Phone no of customer	No
9.	Country	Text ()	country	No
10.	Emailid	Text()	Email id of customer	No
11.	Checkin	Date()	Checkin date	No
12.	Checkout	Date()	Checkout date	No
13.	Adult	Number()	No of adult	No
14.	Child	Number()	No of child	No
15.	Payment	Number()	Payment mode	No

Table 3: Package Booking

NO	FIELD NAME	DATATYPE	DESCRIPTION	ALLOW NULL
1.	Registration Id	Number()	Registration Id	Foreign Key
2.	Firstname	Text()	Firstname	No
3.	Lastname	Text()	Lastname	No
4.	Packagename	Text()	Package name	No
5.	Address	Text()	Address of customer	No
6.	City	Text()	City	No
7.	State	Text()	State	No
8.	Mobileno	Number()	Phone no of customer	No
9.	Country	Text()	Country	No
10.	Emailid	Text()	Emailid of customer	No
11.	Adult	Text()	No of adult	No
12.	Child	Text()	No of child	No
13.	Payment	Number()	Payment mode	No

Table 4: Hotel Details

NO	FIELD NAME	DATATYPE	DESCRIPTION	ALLOW
				NULL
1.	Hotel Id	Number()	Hotel Id	Primary Key
2.	Hotel Name	Text()	Name Of Hotel	No
3.	Contactus	Text()	No and address of hotel	No
4.	Reach us	Text()	Ways to reach the hotel	No
5.	Facalities	Text()	Facalities in hotel	No
6.	Overview	Text()	Overview of hotel	No
7.	Price	Number()	Price of hotel	No
8.	Rating	Text()	Ratings of hotel	No
9.	Photo	Text()	Img of hotel	No

Table 5: Package Details

NO	FIELD NAME	DATATYPE	DESCRIPTION	ALLOW
				NULL
1.	Package Id	Number()	Package Id	Primary Key
2.	Package Name	Text()	Package Name	No
3.	Daynight	Number()	Daynight	No
4.	Photo	Text()	Img of package	No
5.	Placecovered	Text()	Place covered in package	No
6.	Overview	Text()	Overview of package	No
7.	Cost include	Text()	Cost include	No
8.	Cost not include	Text()	Cost not include	No

System Analysis

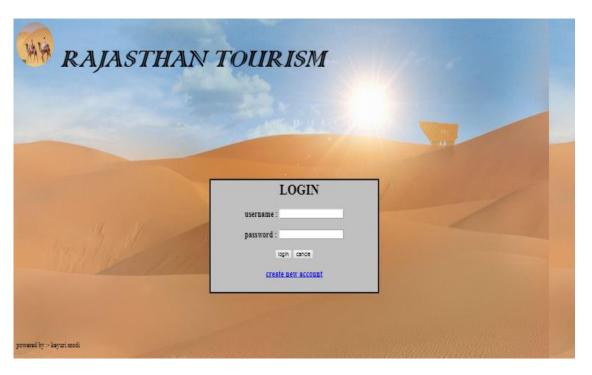
Table 6: Feedback

NO	FIELD NAME	DATATYPE	DESCRIPTION	ALLOWNULL
1.	Feedback Id	Number()	Feedback Id	Primary Key
2.	Registration Id	Number()	Registration Id	Foreign Key
3.	Subject	Text()	Subject To Give	No
			Feedback	
4.	Message	Text()	Feedback	No

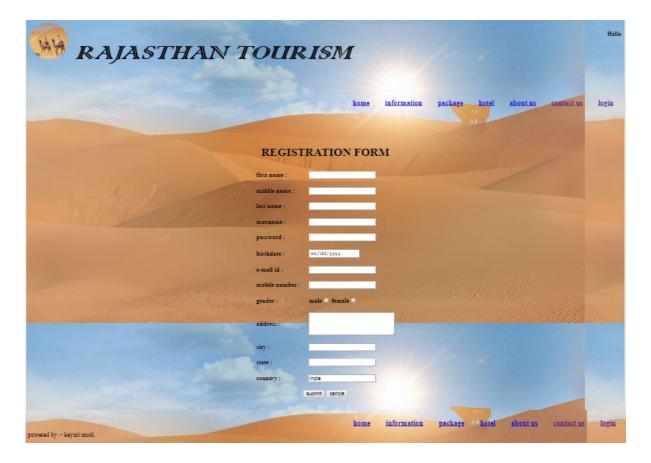
Rajasthan Tourism		Screenshots & Sample code
	Chapter No:5	
	Screen Shots	
	& Sample Code	
	Screen Shots	
	Admin SideUser Side	
	 Sample coding 	

Admin Side

Admin Login



Add user



Manage user



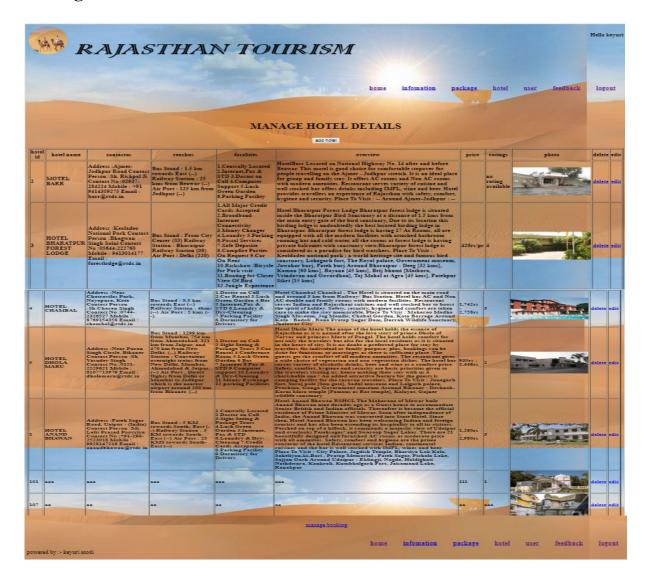
Reply feedback



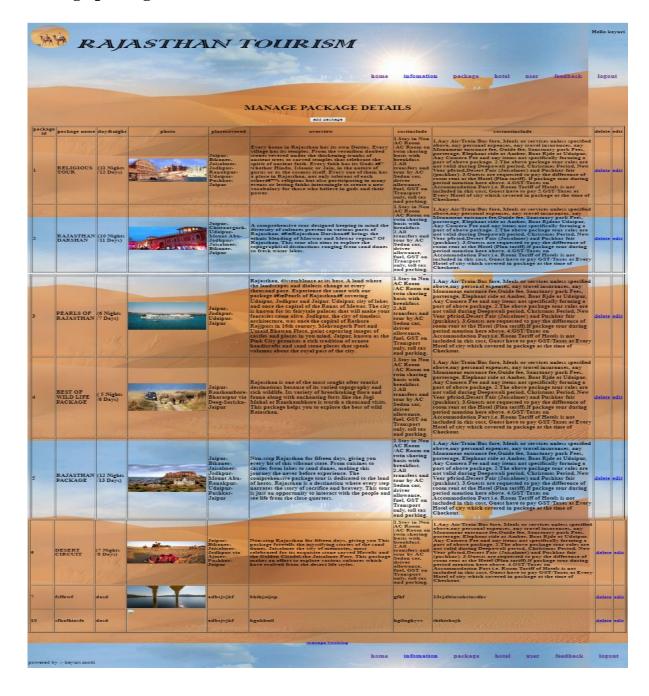
Manage feedback



Manage hotel



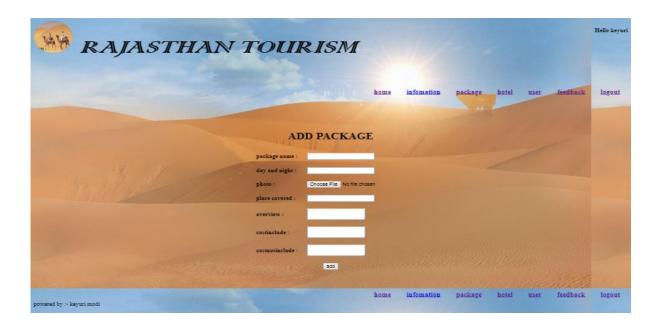
Manage package



Add hotels



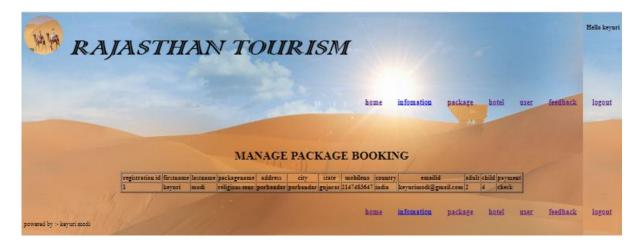
Add package



Manage hotel booking

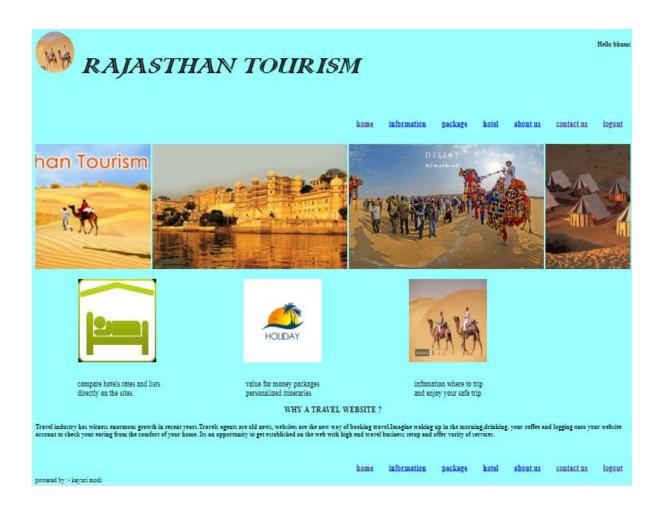


Manage package booking



User side

Homepage



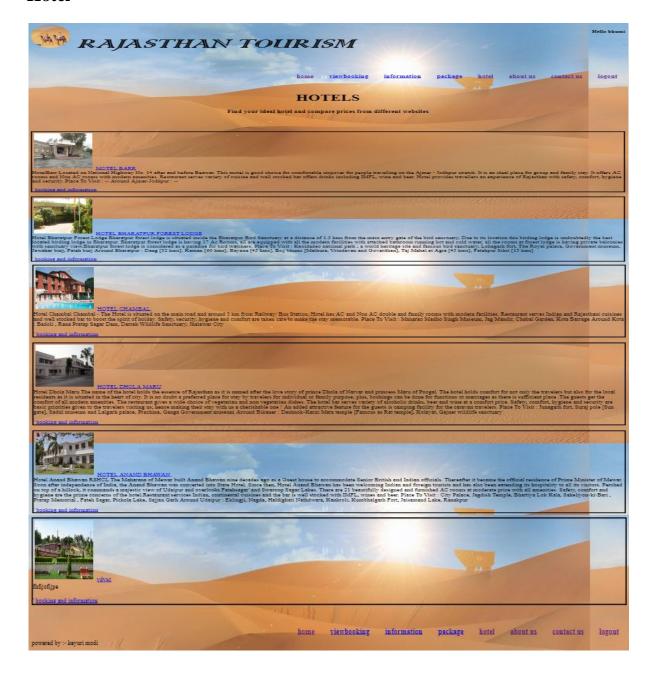
about us



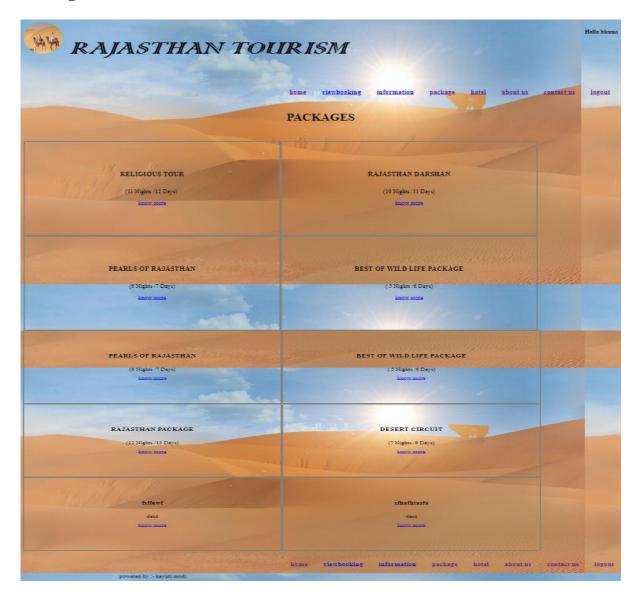
Contact us



Hotel



Package



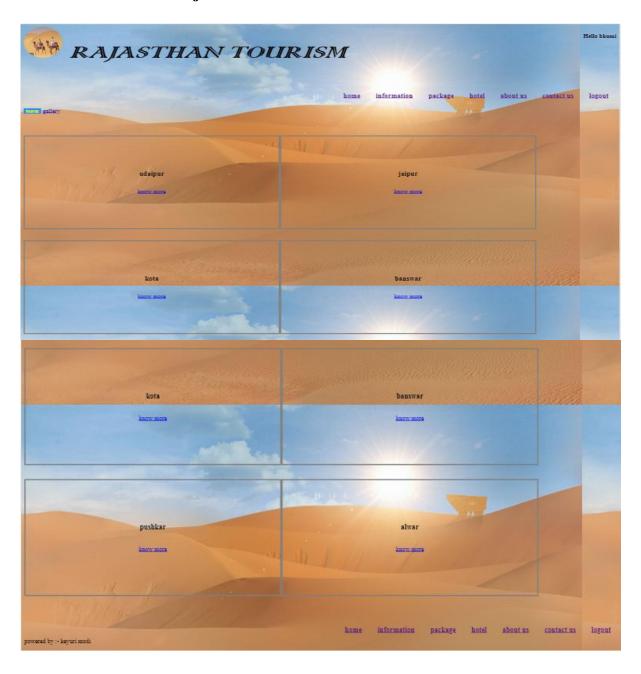
Hotel booking



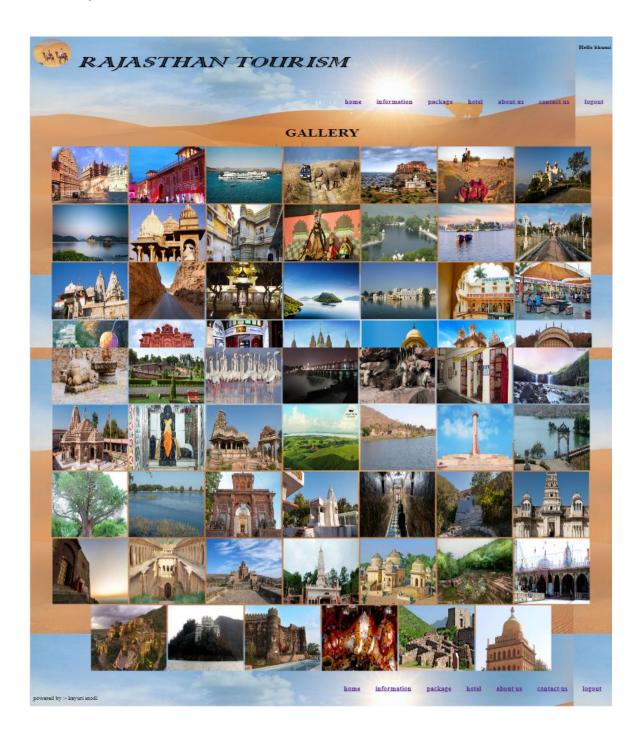
Package booking



Information about Rajasthan



Gallery



Sample Code

Loginghtml.php:

```
<html>
<head>
      <style>
                // css coding
            body{background-image:url("backgroundimg.jpg")}
            menu {margin : 0}
            menu menuitem{float:right;}
            menu menuitem {padding: 20px;
                             list-style : none;}
            h1{text-transform:uppercase;}
            pre{font-family:serif;font-size:18px;}
            .rectangle{height:250px;
                      width:450px;
                      background-color:silver;
                      border-style:solid;
                      border-color:black;}
      </style>
</head>
<body>
<div floatleft>
<header>
                   // header
      <h1 style="font-family:Colonna MT;font-style:italic;font-
                                                           size:70px;">
      <img src="website symbole.jpg" height="100" width="100" style="border-</pre>
      radius:50px"></img>
            <br/>b>rajasthan tourism </b>
      </h1>
</header>
<center>
<div class="rectangle">
<form action ="login.php" method="POST">
                                           // login form
<b><h1>login</h1></b>
<h3>username : </h3>
      <h3><input type="text" name="uname" required></h3>
<h3>password : </h3>
      <h3><input type="password" name="pass" required></h3>
```

Rajasthan Tourism

```
<input type="submit" name= "submit" value="login">
      <input type="reset" name= "reset" value="cancle">
</form>
<center><a href="registrationhtml.php"><h3>create new account</h3></a>
</div></center><br>>
<div floatleft>
<footer>
                    //footer
      <br><br><br>>
       powered by :- keyuri modi 
</footer>
</div>
</body>
</html>
Login.php :-
<?php
      SESSION start();
                                 //session started
      $con=mysql_connect("localhost","root","");
                                               //database connected
      mysql_select_db("rajasthan");
                                         //database selected
      $result=mysql_query("select * from registration",$con);
                                                            //write sql query
      while($row=mysql_fetch_array($result))
             if(isset($_POST['submit']))
                   if($_POST['uname']=="keyuri" and $_POST['pass']=="modi")
                          $_SESSION['uname']=$_POST['uname'];
                          header("location:adminhomepage.php");
```

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elseif(\$_POST['uname']==\$row['username'] and

header("location:homepage.php");

\$_SESSION['uname']= \$_POST['uname'];

//connection close

\$_POST['pass']==\$row['password'])

}

?>

mysql_close(\$con);

Rajasthan Tourism	Testing
<u>Chapter No: 6</u> Testing	
o Testing	

Rajasthan Tourism Testing

Test Cases

Test user side

Test Scenario	Test Steps	Test Data	Expected Results	Actual Results
Check customer login valid	 Enter username Enter password Click login 	Username =bhumi Password = thanki	User can logged in to user side home page	As Expected
Chec customer login invalid	 Enter username Enter password Click login 	Username =keyuri Password = thanki	User cant logged into home page	As Expected
Create new account	 Enter user details Click submit 	As per user details	User can resistered their account	As Expected
To give feedback (contact us)	 Click contactus Enter subject Write message Click submit 	As per user feedback	User can give feedback on website	As Expected
To see hotels for booking	 Click hotel Click on hotel link See the hotel description Click on book now Fill details for booking Click submit 	As per customer selected hotel As per customers details	Customers can book hotel	As Expected
To see package for booking	 Click package Click on package 	1. As per customer selected	Customers can book their package	As Expected

Rajasthan Tourism Testing

	link	package		
	See the package description	2. As per customers details		
	4. Click on book now	details		
	5. Fill details for booking			
	6. Click submit			
To see information about	1. Click information	Click the links	User can see the information of rajasthan in	As Expected
Rajasthan	2. Click on city of Rajasthan link		details and photos also	
	3. See the full description about city of rajasthan			
	4. Click gallary to see the photos of Rajasthan			

Test admin side

Test Scenario	Test Steps	Test Data	Expected Results	Actual Results
Check admin login valid	1. Enter username	Username = keyuri	Admin can logged in to user side home	As Expected
logiii vanu	username	Keyum	page	Lapected
	2. Enter password	Password = modi		
	3. Click login			
Check admin	1. Enter	Username =	Admin cant logged	As
login invalid	username	keyuri	into home page	Expected
	2. Enter	Password =		
	password	thanki		
	3. Click login			
Reply of	1. Click on	As per admin	Admin give users	As

Rajasthan Tourism	Testing
-------------------	---------

feedback	feedback	feedback reply	feedback reply	Expected
	2. Enter subject			
	3. Write message			
	4. Click reply			
Manage user	1. Click user	If admin add user than fill	1. If admin add user than	As Expected
	2. Click add	user details	user added	Lapected
	3. Click delete		2. If user do misbehave than admin delete user	
Manage hotels	1. Click hotel	As per admin click the button	1. If admin click add	As Expected
	2. Click add	click the button	hotel	Expected
	3. Click delete		than add hotel in	
	4. Click edit		the list	
			2. If admin click delete than delete hotel from list	
			3. If admin click edit than hotel data can modify	

Rajasthan Tourism	Testing
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Manage	 Click package 	As per admin	1.	If admin	As
package	2. Click add3. Click delete	click the button		click add package than add package in the list	Expected
	4. Click edit		2.	If admin click delete than delete package from list	
			3.	If admin click edit than package data can modify	

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Conclusions

- It also maintains records of user details.
- It also maintains records of hotel and package.
- It also maintains records about user's transaction details.

Limitations

- No Backup And Restore Utilities Are Incorporated.
- In these times of uncertainties, incorporation of the facilities of backup and restoration of last details is necessary. Any computer can crash or become affected by a virus at any time. So it is imperative to take the backup of the data, but this website does not provide this utility.
- No online Payment, We are not accepting online payment using any credit card or net banking for security reason.

Further Enhancement

- We will try to provide online transaction using net banking and provide online booking from anywhere
- We will also provide a merchant payment option for our customer

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