ABSTRACT

The '**Jungle Safari**' is a portal for the college's student to connect with other students of Institute for the registration and management of the events under the fest and is an attempt towards digitization of the procedures and functional requirements of the same.

CONTENTS

INTRODUCTION

It was seen as an evident requirement for a portal to register and gather information for tour bookings. As a start, we thought of making a system for easy booking of the national park tours. The "Jungle Safari " would include information about the various tour packages, including the duration of the tour, venue and Tarriff plans (for tour package). The users of the system will be tourists and visitors along with co-ordinators of the packages and the administrator who will be the local operators corresponding to each national park and students of our college respectively.

PURPOSE

- To be transparent & fair in dealing with customers for mutual benefit.
- To reduce the gap between the national park operators and the general public.
- To provide Information about the national park.

SCOPE

The "Jungle Safari Tour-Booking Management System " (JSTMS) would include information about the various Tours, including the Duration, National park and Tarriff details for adults as well as children (for Tour Packages).

The users of the system will be tourists and visitors along with coordinators of the national park and the administrator being the local operators correspoinding to each national park and the users of PICT respectively .

The records of all the customers(solo/group accordingly) will be stored and managed. The coordinators of the national parks can add their own tour packages and will have an easy access to track all the bookings and make desired changes in the tour packages(No. of the days of the tour,no. Of available seats,tarrif details for children and adults and other details).

There is one main constraint in the system design of JSTMS.

- There is only one local operator for every respective national park,we cannot add more than one local operators.

DEFINITION

An online platform where the local operators can come forward and provide information about that corresponding national park, acknowledging the public and providing them the facility for online tour bookings.

REFERENCES

- www.book-my-safari.com
- wikipedia
- video tutorials about jsp and servlets

DEVELOPER'S RESPONSIBILITY

- Design appropriate E-R Diagram.
- Develop proper functionalities depending on the requirements.
- Produce clean, efficient code based on specifications
- Recommend and execute improvements

GENERAL DESCRIPTION

The "Jungle Safari Tour-Booking Management System " (JSTMS) would include information about the various Tours, including the Duration, National park and Tarriff details for adults as well as children (for Tour Packages). The records of all the customers(solo/group accordingly) will be stored and managed. The coordinators of the national parks can add their own tour packages and will have an easy access to track all the bookings and make desired changes in the tour packages(No. of the days of the tour,no. Of available seats,tarrif details for children and adults and other details).

USER CHARACTERISTICS

- Viewing and booking different tour packages
- General information like the weather updates about the national park
- Viewing current and past bookings

GENERAL CONSTRAINTS

- There is only one local operator for every respective national park,we cannot add more than one local operators.
- Admin cannot update the dates of the packages once they are uploaded.

SPECIFIC REQUIREMENTS

INPUTS AND OUTPUTS

- Input:
  - ➢ Login-Username,password
  - ➢ Signup-Name,Email,password,phone number
  - ➢ Booking Form-Name,Email,No. Of adults,No. Of children,phone number
- Output:
  - ➢ Tour-Package Details
  - ➢ Past Bookings
  - ➢ Present Bookings
  - ➢ Weather

FUNCTIONAL REQUIREMENTS

- User should be able to book packages.
- Admin should have access to update,delete and add tour packages
- User should be able to view his present and past bookings.
- User should be able to view weather and admin should be able to update the weather.

FUNCTIONAL INTERFACE REQUIREMENTS

- Interface should be User Friendly.
- Interface should be well directed.
- User should not be confused.

PERFORMANCE CONSTRAINTS

- All exceptions should be handled .
- Operations and transactions are provided only for three national parks.
- Admin corresponding to the national park can only handle the tour packages.

ACCEPTANCE CRITERIA

- The user needs to login/signup to book the tour package.

SYSTEM DESIGN

ER DIAGRAM

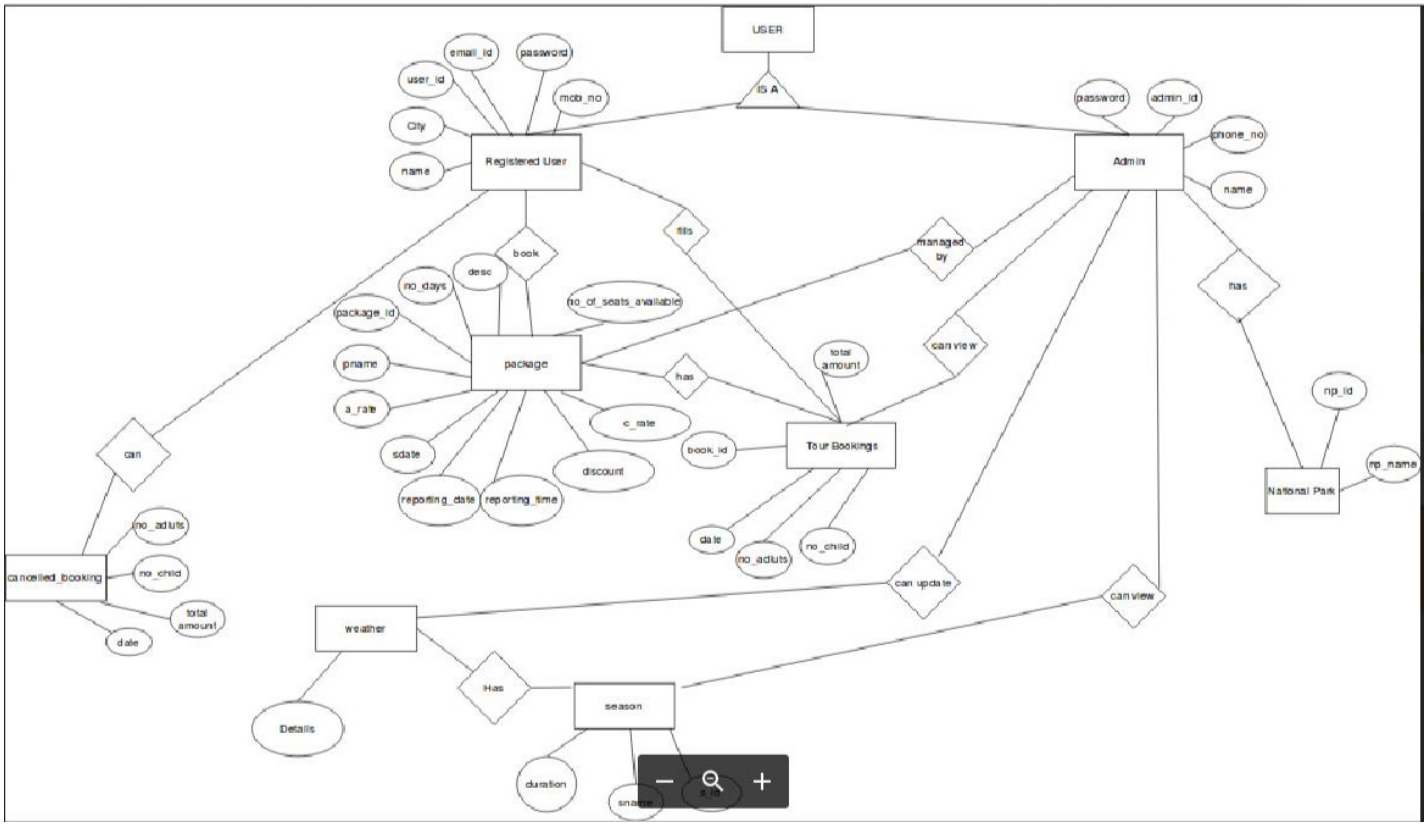
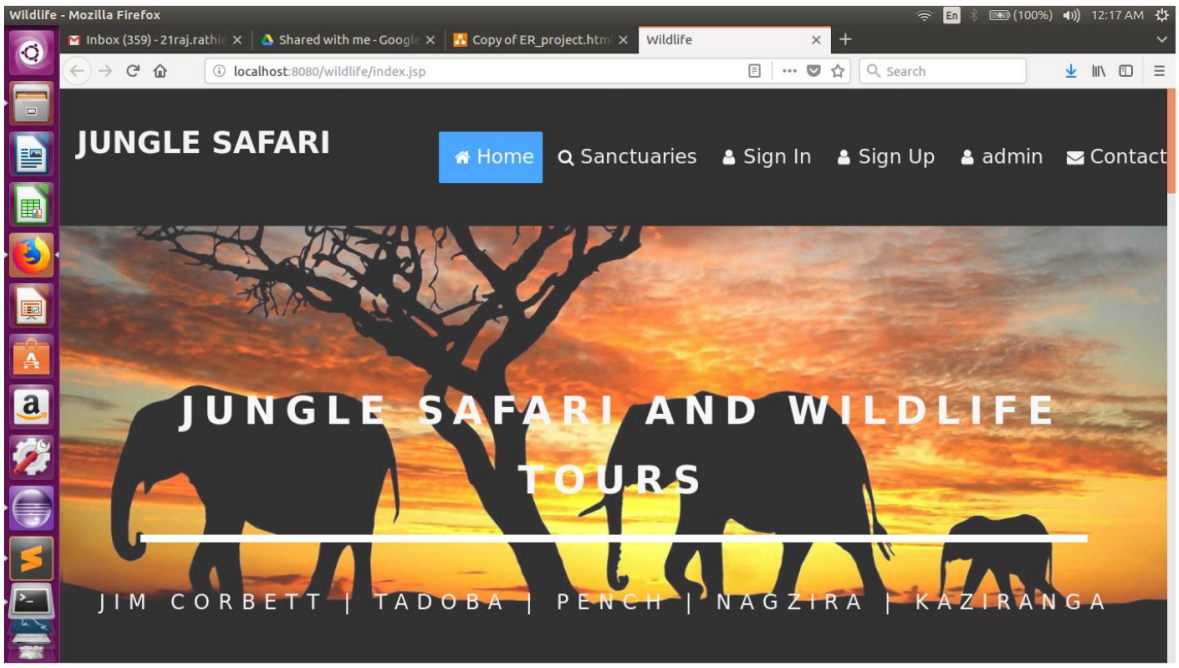


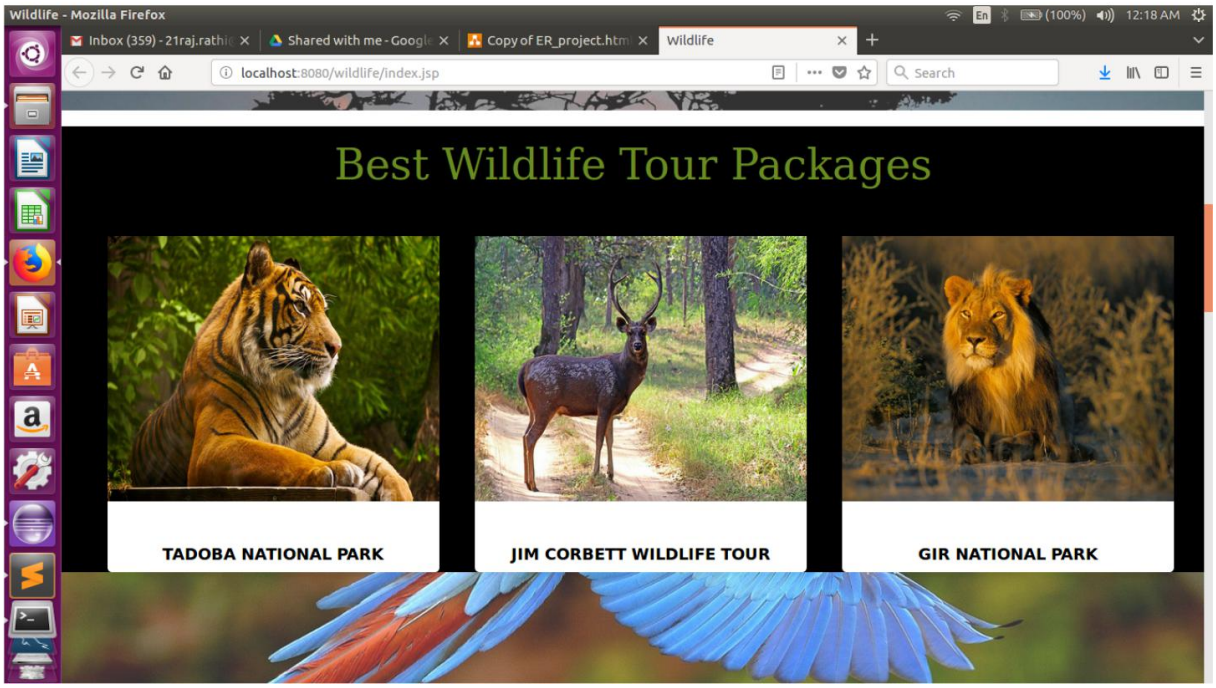
TABLE DESCRIPTION

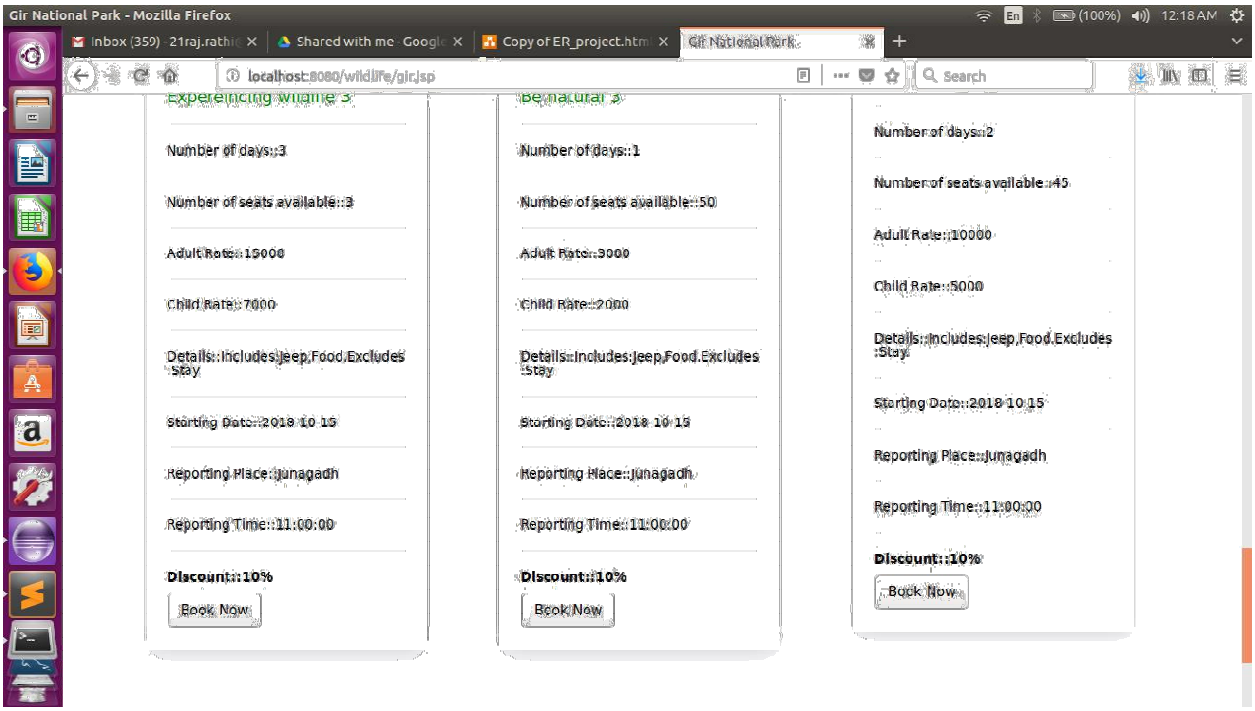
- User (user_id,name,phone_no,email_id,city,password)
- National_Park(np_id,np_name)
- package(package_id,package_name,ndays,nseats,details,arate,crate,admin_id,sdate,reporting_place,reporting_time,discount)
- tourbook(book_id,name,emial,city,phone,nadults,nchildren,date,admin_id,package_id,amount,user_id)
- weather(s_id,admin_id,description)
- season(s_id,sname,duration)
- Admin(admin_id,admin_name,phone,password,np_id)
- past_bookings(book_id,name,emial,city,phone,nadults,nchildren,date ,admin_id,package_id,amount,user_id)

- past_package(package_id,package_name,ndays,nseats,details,arate,crate,admin_id,sdate,reporting_place,reporting_time,discount)
- best_places(place_id,admin_id,pname,description,how_to_reach,famous for ,best_time_to_visit)
- cancelled_tours(name,email,city,phone,nadults,nchildren,date,user_id,admin_id,package_id,amount,book_id)

USER INTERFACE DESIGN



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Gir National Park
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Search
Experiencing Wildlife 3
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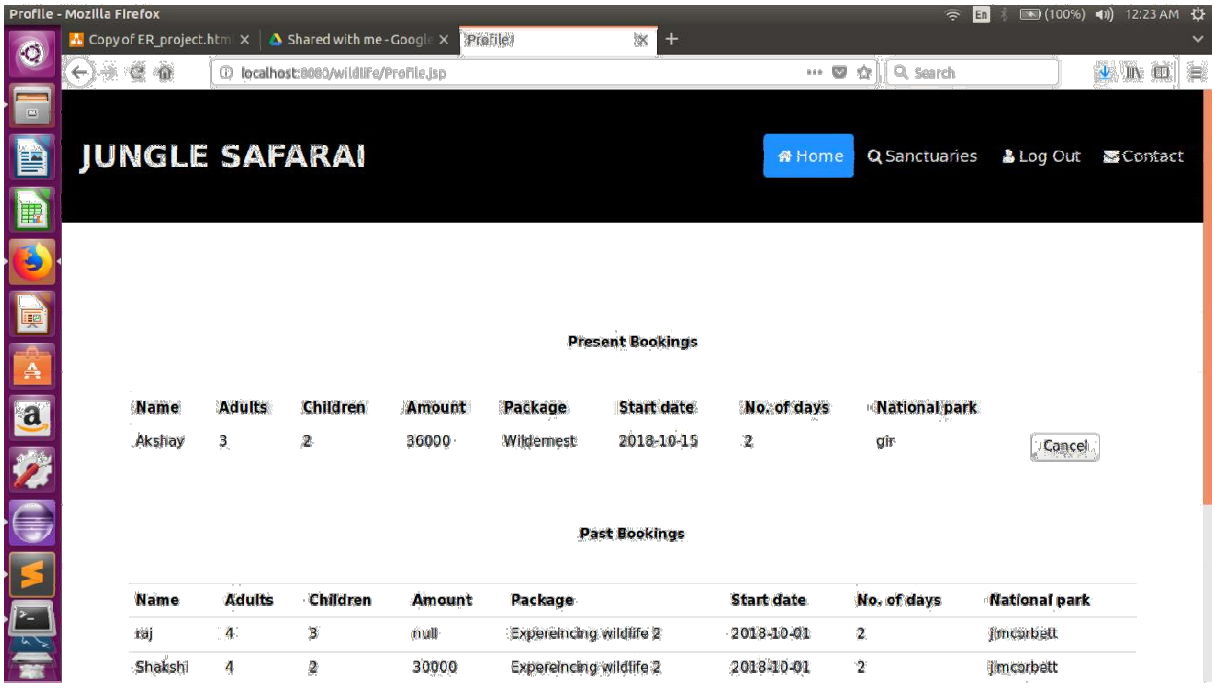
Number of seats available::3
Adult Rate::15000
Child Rate::7000
Details::Includes:Jeep,Food,Excludes :Stay
Starting Date::2018-10-15
Reporting Place::Junagadh
Reporting Time::11:00:00
Discount::10%
Book Now
Be natural 3
Number of days::1
Number of seats available::50
Adult Rate::3000
Child Rate::2000
Details::Includes:Jeep,Food,Excludes :Stay
Starting Date::2018-10-15
Reporting Place::Junagadh
Reporting Time::11:00:00
Discount::10%
Book Now
Number of days::2
Number of seats available::45
Adult Rate::10000
Child Rate::5000
Details::Includes:Jeep,Food,Excludes :Stay
Starting Date::2018-10-15
Reporting Place::Junagadh
Reporting Time::11:00:00
Discount::10%
Book Now


Profile - Mozilla Firefox
Profile
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Shakshi 4 2 30000 Experiencing wildlife 2 2018-10-01 2 jimcorbett

SYSTEM IMPLEMENTATION

HARDWARE AND SOFTWARE PLATFORM DESCRIPTION

- **Hardware requirements:**
- Pentium IV.
- 256 MB Ram
- 512 KB Cache Memory
- Hard disk 20 GB
- Microsoft Compatible 101 or more Key Board
- **Software requirements:**
- Operating System : Windows10
- Back End : MySQL Workbench,JAVA
- Front End : HTML5,CSS3,Bootstrap3.3.6,JavaScript
- Database Connectivity : JDBC

TOOLS USED

- Eclipse(Photon)
- SublimeText 3
- Tomcat 8.5
- mysql

FUTURE WORK/EXTENSION

- Functionality for the local operator to register themself and add

different tour packages
- Increase the no. Of National Parks
- Providing the user with extra features like adventure sports

TECHNOLOGIES USED

1. HTML

Hypertext Markup Language (HTML) is the standard markup language for creating web pages and web applications. With Cascading Style Sheets (CSS) and JavaScript it forms a triad of cornerstone technologies for the World Wide Web.[2] Web browsers receive HTML documents from a web server or from local storage and render them into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

2. CSS

CSS is a language that describes the style of an HTML document. CSS describes how HTML elements should be displayed.

3. JAVASCRIPT

Javascript is an object-oriented computer programming language commonly used to create interactive effects within web browsers.

4. MYSQL

MySQL is the most popular Open Source Relational SQL Database Management System. MySQL is one of the best RDBMS being used for developing various web-based software applications.

5. JSP, SERVLETS AND JDBC

JSP (JavaServer Pages) is a technology used for developing web pages that support dynamic content which helps developers insert

java code in HTML pages by making use of special JSP tags. JSP is similar to PHP but it uses the Java programming language.**Servlets** are programs that run on a server and act as a middle layer between a request coming from a Web browser and databases or applications on the HTTP server.**JDBC (Java Database connectivity)** is a Java API used for connecting databases to the Java application. It includes various features like Establishing a connection to a database,Creating SQL or MySQL statements,Executing queries in the database,Viewing the resulting records.

6. BOOTSTRAP

   Bootstrap is the most popular HTML, CSS, and JavaScript framework for developing responsive, mobile-first web sites.

CONCLUSION

After discussion with and feedback from our guide, faculty and some industry experts who reviewed our project, the project will be deployed for use in Gandhaar 2018 with the new themes which are yet to be decided. Our project was one of the top six projects for the ‘Mini Project competion’ conducted in the department, an initiative taken by our ever-helpful and motivating faculty. The Gandhaar Event Management System will bring clarity in functioning and decision making in the fest and we hope, will be useful for years to come.