



## **MINI PROJECT REPORT**

**ON**

# **“JUNGLE SAFARI BOOKING MANAGEMENT SYSTEM”**

Submitted By

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PUNE

SAVITRIBAI PHULE PUNE UNIVERSITY

2018 – 2019



## DEPARTMENT OF INFORMATION TECHNOLOGY

### *Certificate*

This is to certify that,

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have successfully completed the Mini Project entitled “**Jungle Safari**”, under my guidance in partial fulfillment of the requirement for the Software Laboratory I third year in Department of Information Technology of Savitribai Phule Pune University during the Academic Year 2018 – 2019

Date :

Place : Pune

Dr.

Name of subject Teacher

(Head, Dept. of Information Technology)

Dr.

Principal

## 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.

## ACKNOWLEDGMENT

We hereby acknowledge with deep gratitude for the co-operation and help given to us by all those who pour their magnificent efforts in making our project.

We express our heartfelt thanks to our teachers for giving us this opportunity to go forward with this project.

We would like to thank Mrs. SUMITRA JAKHETE Ma'am and Mr. ANANT BAGADE Sir for their support, inspiration, motivation and under able guidance the project was completed. We take this opportunity to express our gratitude and thanks to the H.O.D of I.T Department Mr. SONKAMBLE Sir.

At last we thank to everyone who gave their moral support for the completion of this project.

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# **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 corresponding 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](http://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**

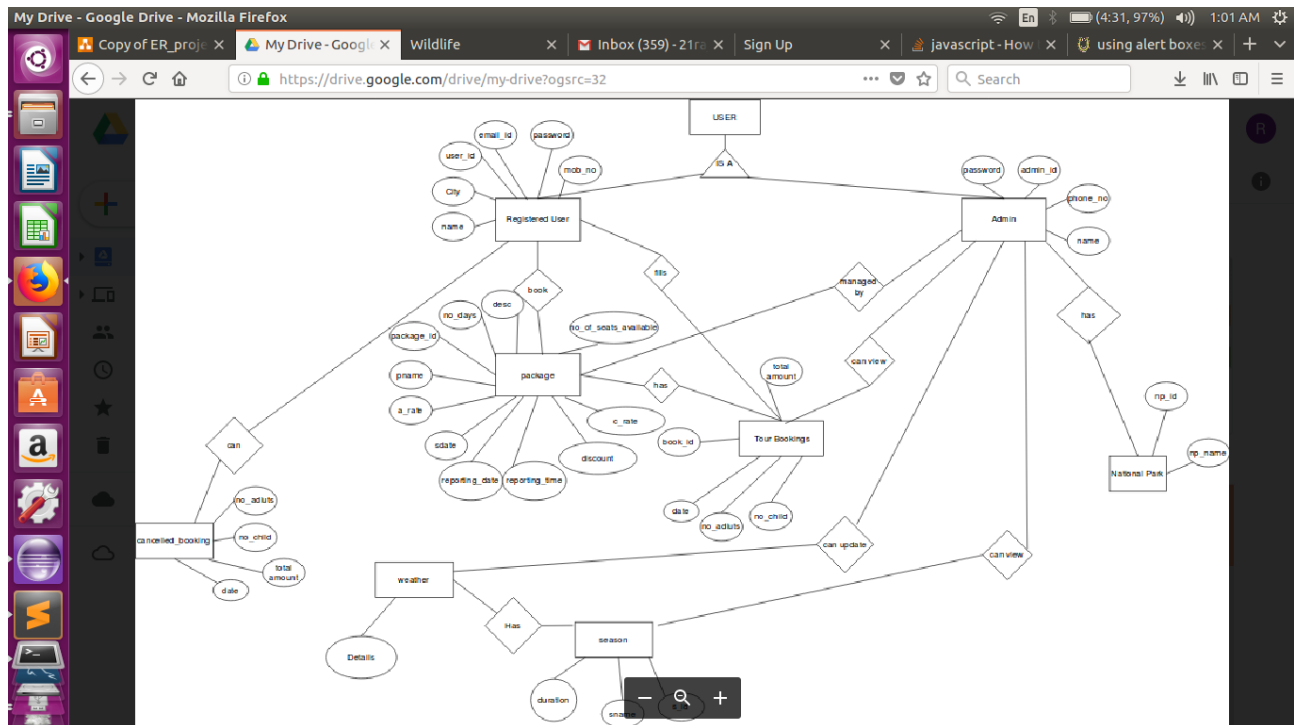
- All exceptions should be handled .
- Operations and transactions are provided only for three national parks.
- Admin corresponding to the national park can only handle the tour packages.

## **ACCEPTANCE CRITERIA**

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

# SYSTEM DESIGN

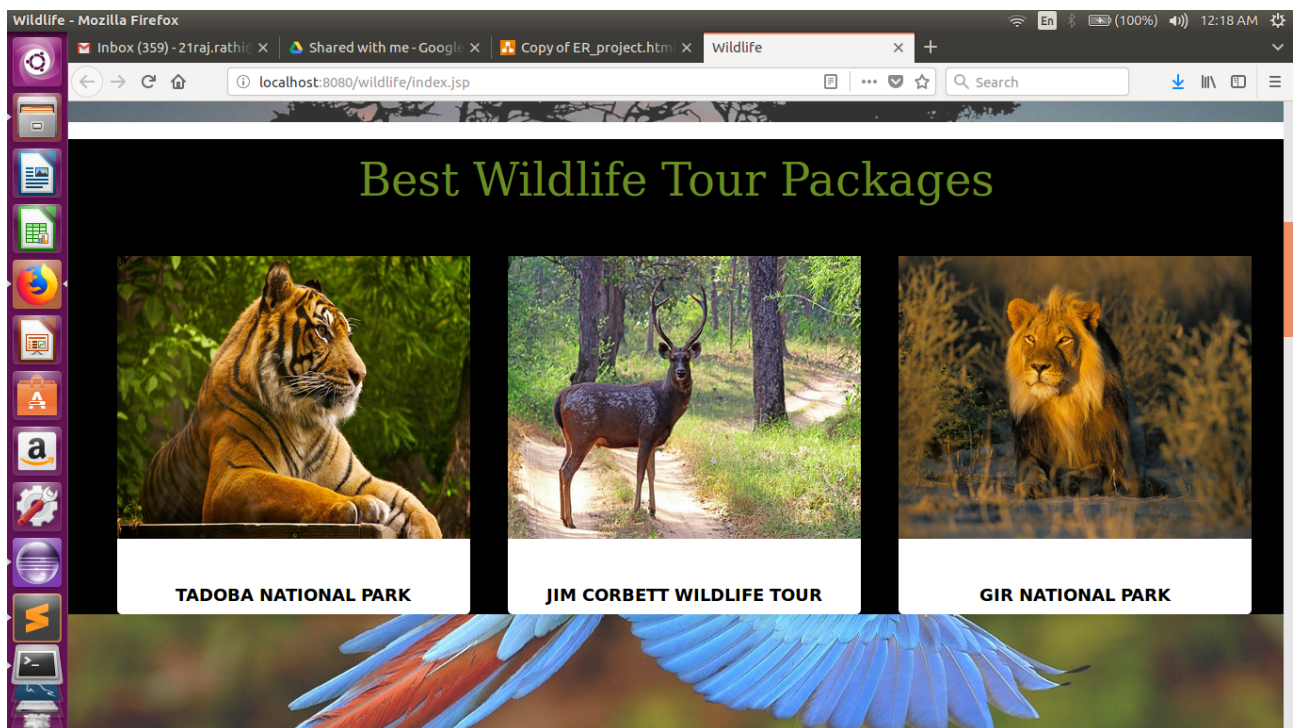
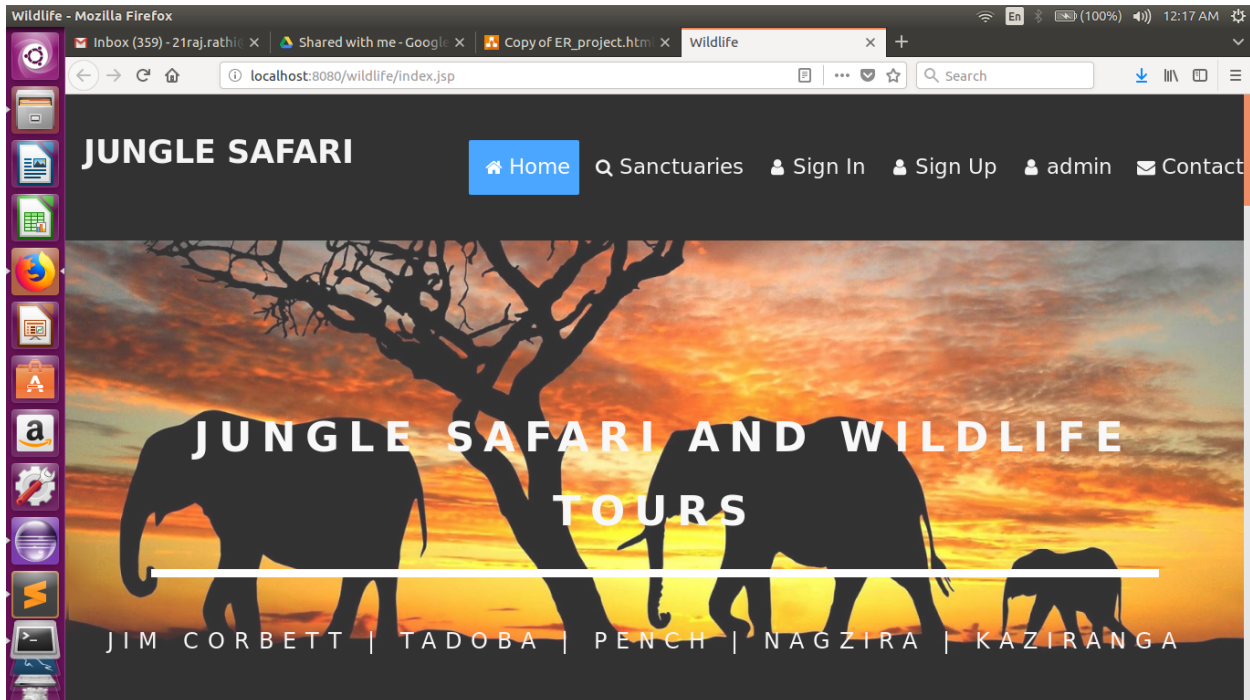
## ER DIAGRAM

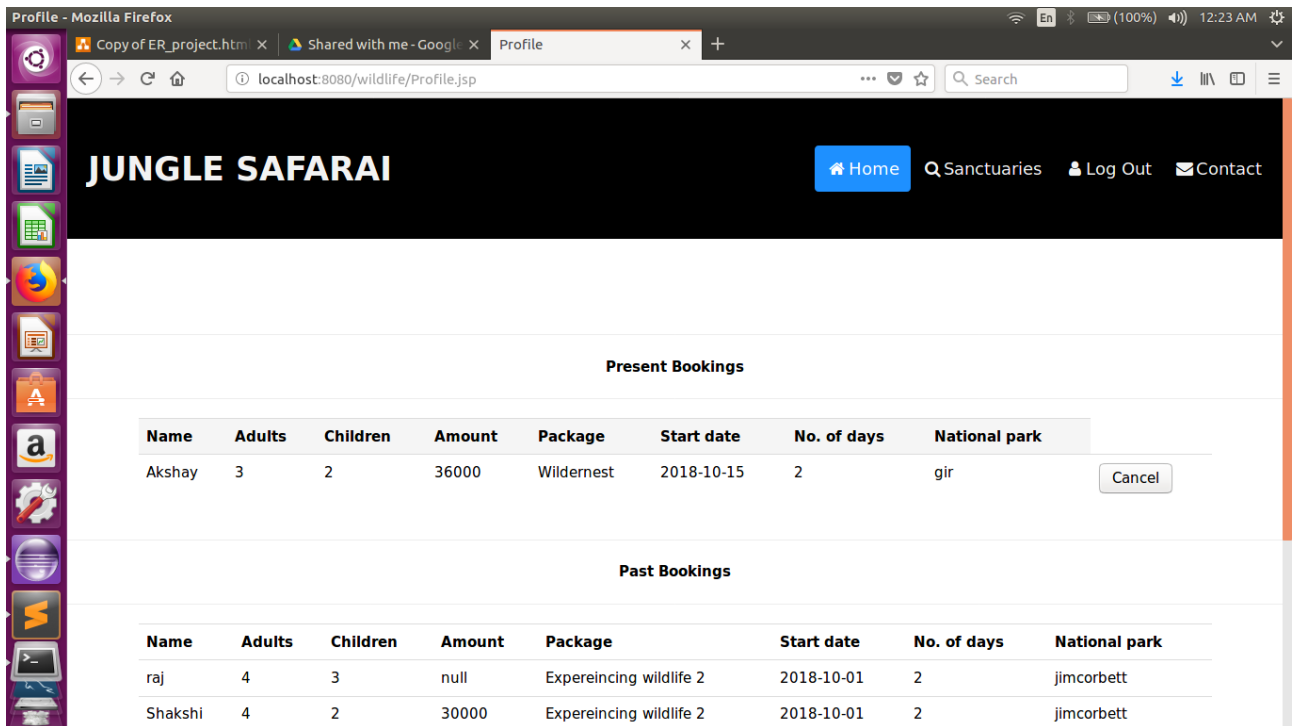
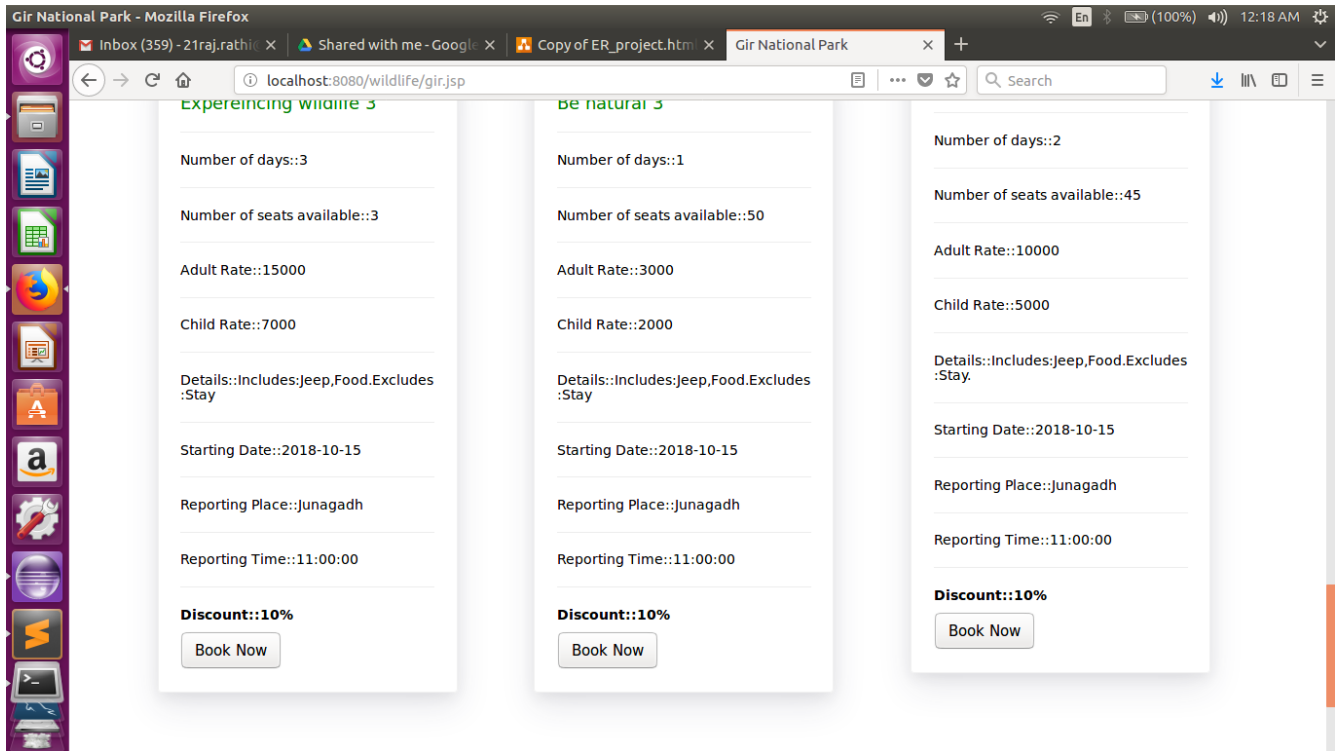


## TABLE DESCRIPTION

- 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





# 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 themselves 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 competition' 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.