

CHAPTER 1

INTRODUCTION

1.1 OVERVIEW AND MOTIVATION

In this modern world booking things online has just become a running trend. People want to save their time as well as effort. Now a day's e-commerce and hotel booking websites have taken control over the market. We came up with an idea to facilitate people for booking resorts halls for party and wedding purpose as it was something new that we came up with. It is always good to design a user friendly website for the things explained above. This website gives a very fine experience to user whether its owner of the resort or customer who wants to use the utility of our website.

Website has always been in reach of common people as after a rapid digitalization in India people have become educated and started visiting different websites to fulfill their needs. Our website involves tracking to customers and handling their request in an asynchronous way in order to respond to the request of users as fast as possible. The best thing about our website is that we try to give user a good booking experience in minimum number of transitions through webpage.

We provide our customer utility to search for his resort by entering its name or by entering the date for which he wants to book the resort. We have a utility of searching resorts by entering location name but we have saved it for future reference. Customer gets each and every information it requires about the resort to avail the booking. Resorts can figure out the list of bookings they have received and can confirm it or cancel it as per their availability. Our website displays different webpage's depending on roles of the user (Admin , Owner , Customer).

There are many different e-booking websites such as OYO rooms , goibibo.com that are used for booking rooms in hotels. Taking a rough idea from there we made "**Fiesta Temps**" a interactive website for booking halls for party and weddings. Our product has unlimited extensions and many things can be incorporated in it.

Our website is a complete product as it can ensure interactions between users through e-mails and give them every utility they want . The main focus of our website is user satisfaction and we want to make things easy for everyone.

1.2 OBJECTIVE:

The main objective of our project is to facilitate people to book halls in resorts online in-order to save their time as well as effort. People can get to know easily through our website that which resorts are free at a particular date. Our product also provides facility for the resort manager to keep tracks of all the bookings . Customer gets the information through e-mail that his booking is confirmed or not.

1.3 SUMMARY OF SIMILAR APPLICATIONS:

Although the idea of our website is unique but its working matches with certain websites like OYO Rooms , goibibo.com etc. These websites provide the facility to book rooms in hotels. Their main aim is to " **Change the way people stay away from home** ". There are lacks of users now a day's who use their facility to book rooms at different locations while travelling. Oyo rooms are so popular that they are now in more than 199+ cities of India.OYO Rooms promises to provide the same amenities and the same awesome experience across all its rooms. Their app allows to book a room in just three taps or in just 5 sec.

We have also tried to match the level of such websites by making our website fast, responsive , user friendly and stable . The User Interface of our website gives a user-friendly structure to our customer. Apart from all this our application server can handle more than 1100 request at a time.

CHAPTER 2

COMPANY PROFILE:

PROJECTOR is a training club of GLA University under the leadership of HOD of Computer Science and Engineering, GLA University Mr. **Anand Singh Jalal** and Asst. Pro Mr. **Piyush Khandelwal** .

PROJECTOR gives project based training to students of GLA on Android Automation, Web Development and Cloud Computing. Web based projects are made using HTML, CSS , Bootstrap , JavaScript , JQuery , Node.js (Koa framework) etc.

Club believes in training students to make projects based on real life problems from scratch to a complete product. Certain officials from different companies take a visit every week to share their knowledge and experience. It is the leading training club of GLA University which has at present launched more than 5 websites which are live and are currently in use. The aim of the club is to launch useful products that can make life smooth and easy.

PROJECTOR targets to provide a solid platform to the students for learning and development which is built with the following ingredients :-

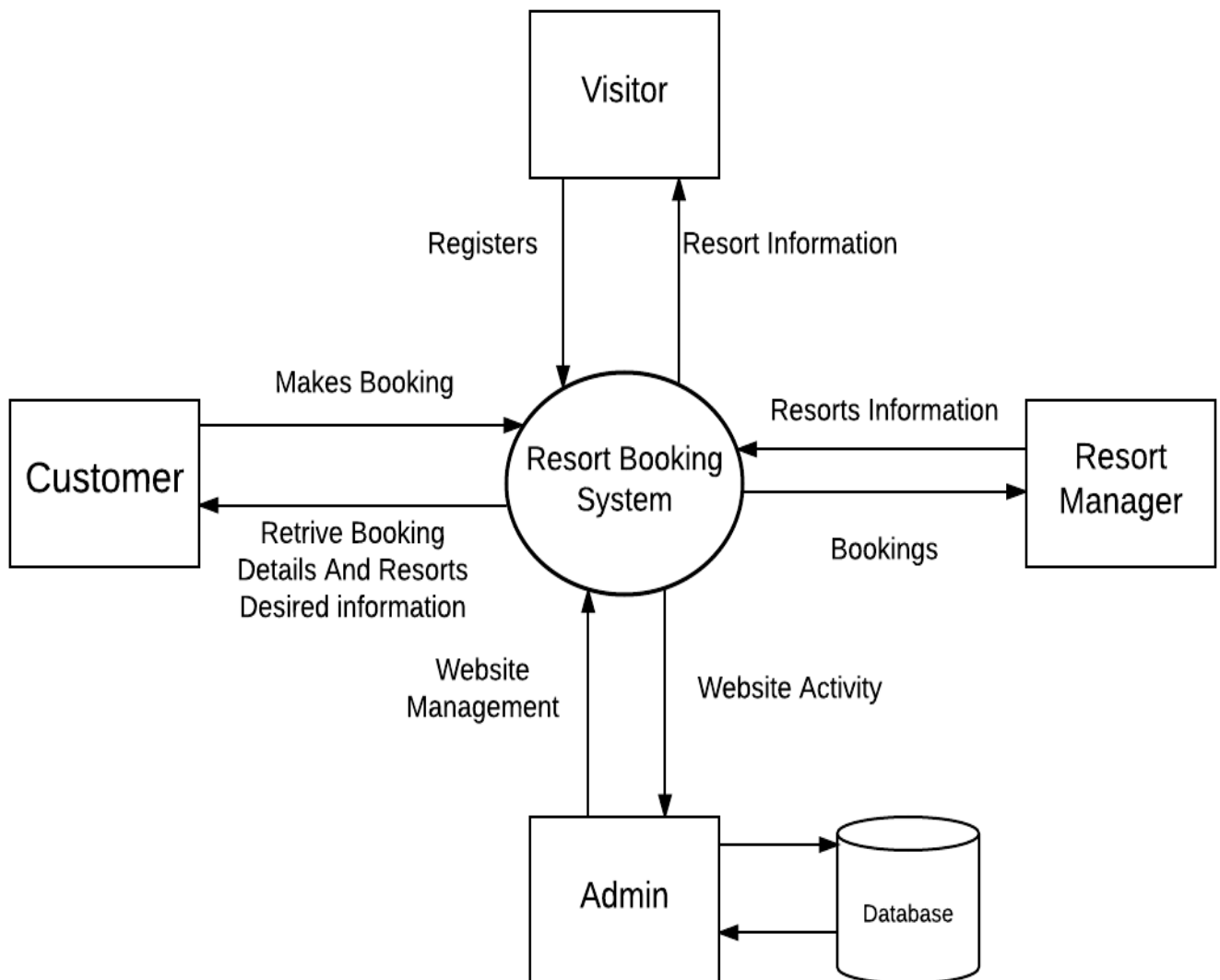
- * Training students with cutting edge technology.
- * Software development for local schools ,colleges and businesses.
- * Fetching of live projects from IT companies for development in GLA University.
- * Helping students to convert their innovative ideas into real implementation.

It also supports and provides a good startup platform for innovative and smart working students.

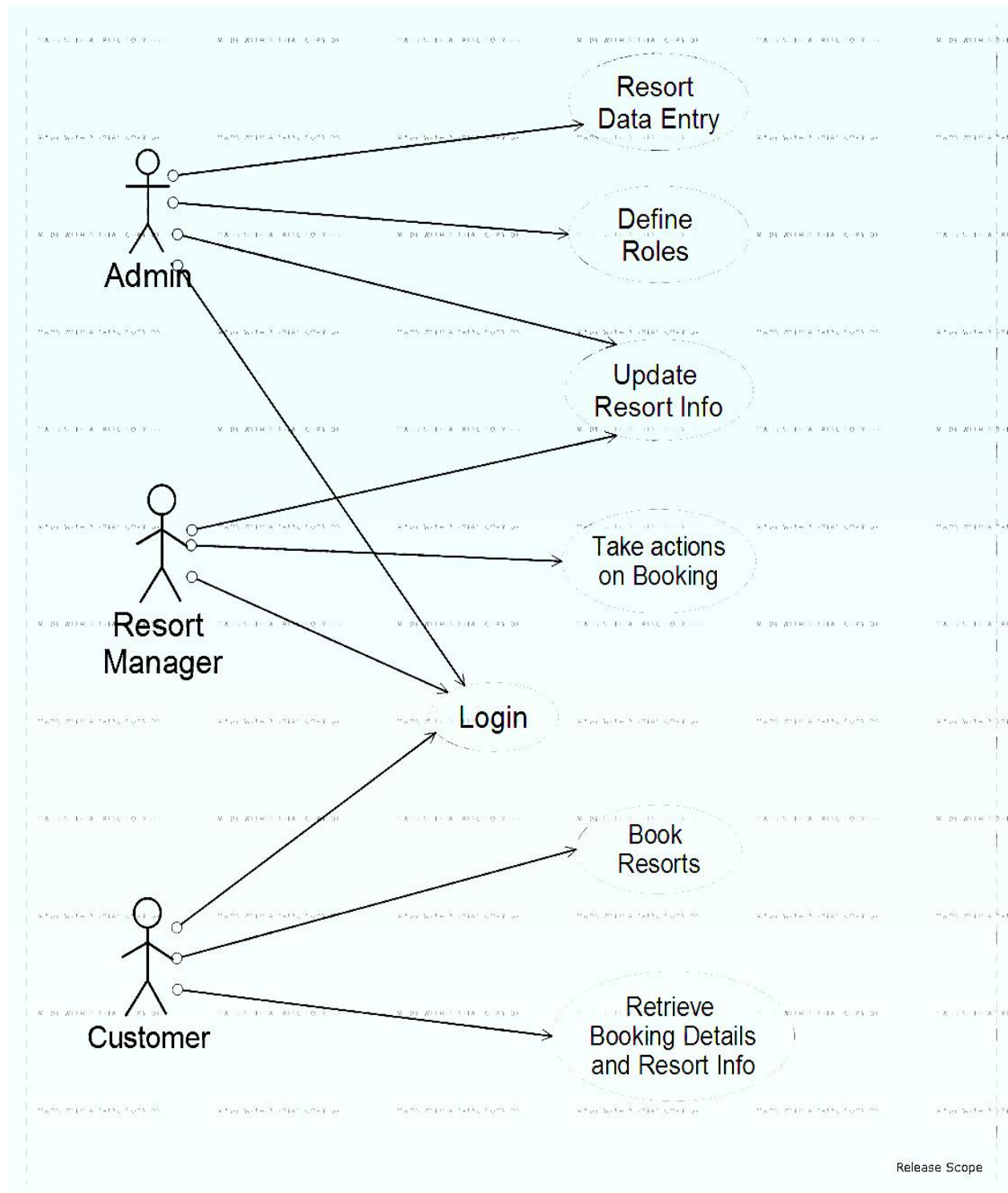
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(3.1) PROJECT DESIGN:

*(3.1.1) Context Diagram or 0-level DFD :

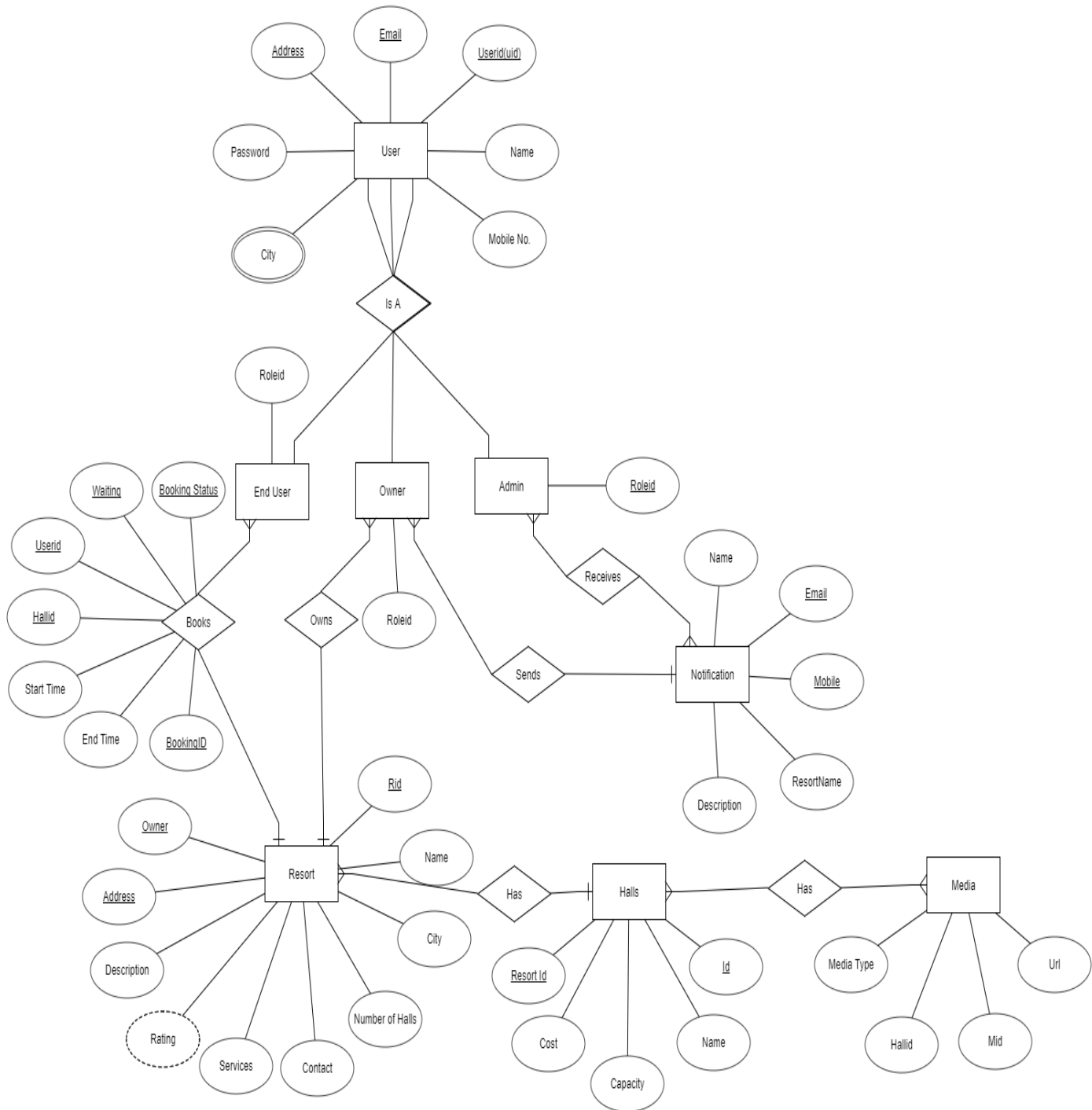


***(3.1.2) USE CASE DIAGRAM:**



(3.2) DATABASE DESIGN:

(3.2.1)ER-DIAGRAM:



*(3.2.2) DATABASE TABLES:

USER TABLE:

Stores details of all users and assigns every user with unique id.

Field	Type	Null	Key	Default	Extra
uid	int(10)	NO	PRI	NULL	
auto_increment					
name	varchar(15)	YES		NULL	
mno	bigint(15)	YES		NULL	
mail	varchar(20)	YES	UNI	NULL	
address	varchar(50)	YES		NULL	
password	varchar(20)	YES		NULL	
timestamp	timestamp	NO		CURRENT_TIMESTAMP	on update CURRENT_TIMESTAMP
city	varchar(20)	YES		NULL	
remove	tinyint(1)	YES		0	

USER ROLE TABLE:

Maps the relationship of user and its role.

Field	Type	Null	Key	Default	Extra
roleid	int(10)	NO		NULL	
uid	int(10)	NO	MUL	NULL	

ROLE TABLE:

Stores information about different roles ex. Admin , Resort Manager , Customer

Field	Type	Null	Key	Default	Extra
roleid	int(10)	NO	PRI	NULL	auto_increment
rolename	varchar(10)	YES		NULL	

RESORT TABLE:

Stores details of resort.

Field	Type	Null	Key	Default	Extra
rid	int(10)	NO	PRI	NULL	
auto_increment					
rname	varchar(20)	YES	MUL	NULL	
loc	varchar(20)	YES		NULL	
nhalls	int(10)	YES		NULL	
ctimestamp	timestamp	NO		CURRENT_TIMESTAMP	on update CURRENT_TIMESTAMP
uid	int(10)	NO	MUL	NULL	
resortaddress	varchar(100)	YES		NULL	
description	varchar(3000)	YES		NULL	
tagline	varchar(250)	YES		NULL	
resortnumber	bigint(15)	YES		NULL	
ownernumber	bigint(15)	YES		NULL	

rating	int(5)	YES		NULL	
ac	tinyint(1)	YES		NULL	
parking	tinyint(1)	YES		NULL	
wifi	tinyint(1)	YES		NULL	
DJ	tinyint(1)	YES		NULL	
flowerdecor	tinyint(1)	YES		NULL	
catering	tinyint(1)	YES		NULL	
rooms	tinyint(1)	YES		NULL	
nonveg	tinyint(1)	YES		NULL	
liquor	tinyint(1)	YES		NULL	
checkIN	datetime	YES		NULL	
checkOUT	datetime	YES		NULL	
remove	tinyint(1)	YES		0	
termsconditions	varchar(3000)	YES		NULL	
+-----+-----+-----+-----+-----+-----+					
-----+					

HALL TABLE:

Stores information of halls mapped with resort ID and assigns every hall with unique hall id.

Field	Type	Null	Key	Default	Extra
hallid	int(10)	NO	PRI	NULL	auto_increment
rid	int(10)	NO	MUL	NULL	
hname	varchar(20)	YES		NULL	
capacity	int(5)	YES		NULL	
cost	int(6)	YES		NULL	

HALL BOOKING TABLE:

Stores information about the bookings .

Field	Type	Null	Key	Default	Extra
uid	int(10)	NO	MUL	NULL	
hallid	int(10)	NO	MUL	NULL	
hold	tinyint(1)	YES		NULL	
cancel	tinyint(1)	YES		NULL	
timestamp	timestamp	NO		CURRENT_TIMESTAMP	on update CURRENT_TIMESTAMP
expirydate	datetime	YES		NULL	
funcstart	datetime	YES		NULL	
funcenddate	datetime	YES		NULL	
counttowait	int(10)	YES		NULL	
bookingid	int(10)	NO	PRI	NULL	
confirm	tinyint(1)	YES		NULL	

MEDIA TABLE:

Stores information of all media files (images ,videos) and assigns unique media id to every media.

Field	Type	Null	Key	Default	Extra
mid	int(10)	NO	PRI	NULL	auto_increment
url	varchar(200)	YES		NULL	
hallid	int(10)	NO	MUL	NULL	
type	varchar(20)	YES		NULL	

NOTIFICATION TABLE:

Stores information required to communicate through e- mail or mobile.

Field	Type	Null	Key	Default	Extra
name	varchar(20)	YES		NULL	
email	varchar(30)	YES		NULL	
mobile	int(10)	YES		NULL	
resort_name	varchar(20)	YES		NULL	
description	varchar(100)	YES		NULL	

FEEDBACK TABLE:

Field	Type	Null	Key	Default	Extra
fid	int(10)	NO	PRI	NULL	auto_increment
uid	int(10)	YES	MUL	NULL	
rid	int(10)	YES	MUL	NULL	
feedback	varchar(500)	YES		NULL	

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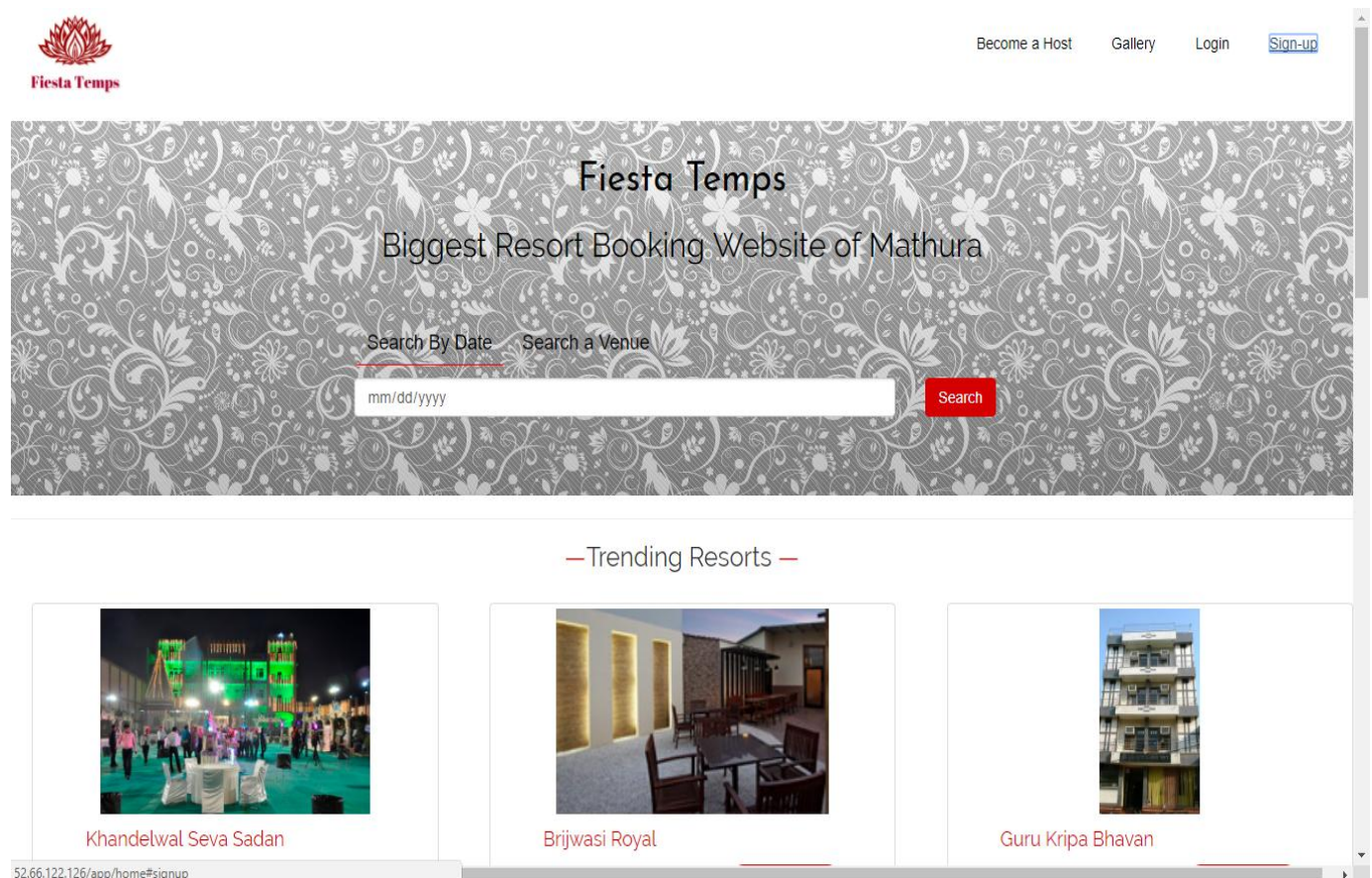
Implementation and User Interface:

(4.01)Home Page:

Our website has an appealing and user friendly home page having a search bar through which a customer can search for a resort by its name or by the date on which he wants to book halls.

Coming down we have a list of trending resorts and our websites beautiful gallery.

Our home page consists of navigation bars giving many different information and functionality.



Number of Halls : 1
Location : Mathura

[Know More >>](#)

Number of Halls : 3
Location : Mathura

[Know More >>](#)

Number of Halls : 1
Location : Mathura

[Know More >>](#)



Brijwasi Lands Inn

Number of Halls : 5
Location : Mathura

[Know More >>](#)



Goverdhan Resort

Number of Halls : 2
Location : Mathura

[Know More >>](#)

—Our Gallery —



Khandetwal Seva Sadan



Brijwasi Royal



Guru Kripa Bhavan

[Way To Gallery >>](#)

52.66.122.126/app/resort/29

—Still Confused ? —

[Click here to be a Host](#)

24/7 Customer Support

If you need help while registering your resort or booking it, contact us at our number: 9506797346

Verified Resorts

You can easily go through any Venue and book it because our team personally visits and authenticates them.

1000+ Happy Customers

We have already more than thousand happy customers and are ready to increase this number.



NAVIGATE

[HOME](#)
[ABOUT US](#)
[OUR TEAM](#)
[FAQ's](#)

CONTACT US

INFO@FIES.COM
9453874663
Gla University, Mathura
281406

FACILITIES

[Book a Resort](#)
[Become a Host](#)



© FiestaTemps

(4.02)Sign-up:

Users who are coming first or are new to our website have to sign-up to use our websites utility. In order to do this they have to provide certain details as seen below.

The screenshot shows the Sign-Up form on the Fiesta Temps website. The form is a white modal box with a close button (X) in the top right corner. It contains the following fields: Firstname, Lastname, Enter Address, Enter current City, a country code dropdown (showing +91) and Mobile Number, Enter E-mail, Enter password, and Re-Enter password. A green Sign-Up button is at the bottom. Below the button is a link: "Already Registered? [Login](#)". The background shows the website header with the Fiesta Temps logo and navigation links (Become a Host, Gallery, Login, Sign-up), and a section titled "Trending Resorts" with three resort cards: Khandelwal Seva Sadan, Brijwasi Royal, and Guru Kripa Bhavan.

(4.03)Login:

Customers who have already signed-up and are trying to open website on different app then they have to login .

The screenshot shows the Login form on the Fiesta Temps website. The form is a white modal box with a close button (X) in the top right corner. It contains the text "Already registered? Just Sign-in..." followed by two input fields: "Enter your E-mail" and "Enter your password". A green Log-in button is below the fields. At the bottom left is a link: "Forgot Password?". At the bottom right is a link: "Not Registered yet? [Sign Up](#) for free.". The background shows the website header with the Fiesta Temps logo and navigation links (Become a Host, Gallery, Login, Sign-up), and a section titled "Trending Resorts" with three resort cards: Khandelwal Seva Sadan, Brijwasi Royal, and Guru Kripa Bhavan.

(4.04) Become a Host:

If any resort owner wants to give his resort a digital identity on our website he/she can send a request to admin to get them registered.

Become A Host

Name:

E-mail:

Mobile:

Resort Name:

Description(MAX-100words)

Become a Host

Gallery

Login

Sign-up

Fiesta Temps
Best Resort Booking Website of Mathura



Search By Date

Search a Venue

dd/yyyy


Search

Trending Resorts





(4.05)Search Results:

If we search resorts by name or date we get results in following manner.



Become a Host Gallery Login Sign-up





Goverdhan Resort

Location : Narnoli Chauraha

Ratings :


AC

Parking Area

WiFi

Flower Decorations

View More >>



Guru Kripa Bhavan

Location : Dholi Pyau Mathura

Ratings :

AC

Parking Area


WiFi

Flower Decorations

In-House Catering

Rooms for Stay

View More >>




Brijwasi Lands Inn

Location : Marani Link Road, Bupara

(4.06)Resort Details Page:

On clicking any of the resort we can move to this page. This page shows all the details of Resort, Number of halls, Location of Resort ,Terms and Conditions , Extra facilities.



Goverdhan Resort


Narholi Chauraha

[Book Now](#)

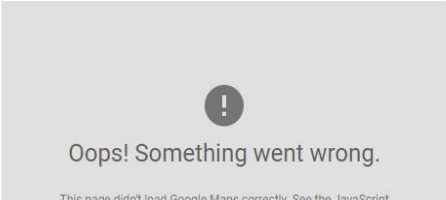
Description

Location : Mathura
Number Of Halls : 2
Description :
Facilities :
[AC](#) [Parking Area](#) [WIFI](#) [Flower Decorations](#)

Portfolio



Location :



Oops! Something went wrong.

This page didn't load Google Maps correctly. See the JavaScript

Click on any Date to See Halls

October 2017

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11


Available Halls on 25-Oct-2017

Start Time

4:30 AM


End Time

4:30 AM



Name :k1
Capacity :200
Cost :20000

[Book Now](#)



Name :k2
Capacity :500
Cost :50000


[Book Now](#)


Terms & Conditions

Located just 1.6 km from Janambhumi, provides a 24-hour front desk for the convenience of the guests. Free WiFi access etc

(4.07) Confirm Booking Page:

As soon as we select the time for booking hall and click on book now a confirmation page will appear which is auto filled.



[Become a Host](#) [Gallery](#) [My Bookings](#) 

Confirm Booking

Details of Who is Booking :

Name : Divyansh Gupta	Mobile : 9453874663	E-mail: divyansh.gupta199@gmail.com
Address : Pt lokmini sharma hostel room no 130 GLA university mathura		

Details of the Resort :

Resort Name : Khandetwal Seva Sadan City : Mathura	Capacity : 150	Hall Name : k1 Price of Deal : 50000
---	----------------	---


Booking details :


Event starts at: 2017-10-24 4:45 AM	Event ends at: 2017-10-24 4:45 PM
-------------------------------------	-----------------------------------

[Book](#) [Cancel](#)

(4.08) Resort Bookings:

If any resort manager logs in he can also see bookings made on his resort and can confirm it , cancel it or keep it on hold.



[Gallery](#) [My Bookings](#) [My Resort Bookings](#) 

Hi Brijwasi Inn !
[Logout](#)

Bookings to be Confirmed by You :

Booking ID : 97 Booked By : Yash	Resort Name : Brijwasi Lands Inn Start Time : Fri, 06 Oct 2017 02:15:00 GMT	Hall Name : Pavillion End Time : Fri, 06 Oct 2017 14:15:00 GMT
-------------------------------------	--	---

[Confirm](#) [View More >>](#)

Confirmed Bookings :

No bookings found

[View all Cancelled bookings >>](#) [View all Previous bookings >>](#)













24/7 Customer Support

Verified Resorts

1000+ Happy Customers


(4.09)List User:

If an admin logins he/she can see the list of all users and their details and can update their roles or remove them.

Users			
Press F11 to exit full screen			
uid : rolename : mail : Action :	1 owner divyansh@gmail.com  	Name : mobile : password :	divyansh 950641255 meranamhochi
uid : rolename : mail : Action :	4 owner pratishtha@gmail.com  	Name : mobile : password :	pratishtha 950641455 meranampari
uid : rolename : mail : Action :	3 owner nimesh@gmail.com  	Name : mobile : password :	Nimesh 9506412475 meranamnimesh
uid : rolename : mail : Action :	5 customer harshita@gmail.com  	Name : mobile : password :	Harshita 9506124725 meranampogo
uid : rolename : mail : Action :	15 owner gaurav@gmail.com  	Name : mobile : password :	Gaurav 9506721423 Gaurav
uid : rolename : mail : Action :	16 owner divyanshu@gmail.com  	Name : mobile : password :	Divyanshu 9558456836 Divyanshu


(4.10)List Resort:

If any admin logins he/she can see all the list of resorts and can update information of any of the resort or can add a new resort or remove an older one.



GalleryAll UsersAll Resorts

All Resorts with UsAdd Resort




Goverdhan Resort

Location :Narholi Chauraha

ACParking AreaWiFiFlower Decorations

Number of Halls :2

UpdateRemove




Guru Kripa Bhavan

Location : Dholi Pyau Mathura

ACParking AreaWiFiFlower DecorationsIn-House CateringRooms for Stay

Number of Halls :1

UpdateRemove



Briivasi Lands Inn

(4.11)Add New Resort:

This page is displayed to the admin so that he can add new resort if any owner request for it.

Add a Resort Here

Cancel

Details of the Resort :

Name :

Name of Resort

Tel No. :

Contact number of Resort

Mobile :

Contact number of Owner

City :

Enter city of Resort

Address :

Address here..

Description :

Description here..

Tagline :

Tagline for Resort

Terms & Conditions :

Description here..

Owner's Name :

Name of Owner

Owner's E-mail :

E-mail ID of Owner

Terms & Conditions :

Description here..

Press **F11** to exit full screen

Owner's Name :

Name of Owner

Owner's E-mail :

E-mail ID of Owner

Services :

- ☐ Wifi ☐ Parking-Area ☐ AC ☐ Non-Veg ☐ DJ & Music ☐ Liquor-License ☐ Flower-Decoration ☐ In-House Catering
☐ Rooms For Stay

Select No. Of Halls :

Select a value

Submit

Reset

24/7 Customer Support

If you need help while registering your resort or booking it, contact us at our number: 9506797346

Verified Resorts

You can easily go through any Venue and book it because our team personally visits and authenticates them.

1000+ Happy Customers

We have already more than thousand happy customers and are ready to increase this number.

References /Bibliography:

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- * javaTpoint : Tutorials
- * W3Schools
- * Full-Calendar: JavaScript Event Calendar
- * materialpalette.com
- * Lucid Chart (For DFD and other diagrams)
- * CodePen.io
- * OYOrooms.com , makeMyTrip.com, goibibo.com etc
- * Wikipedia
- * Black Book (Html ,CSS ,JavaScript)

(4.12)Gallery Page:

This page shows photos and videos of all resorts available on our website.



[Become a Host](#) [Gallery](#) [Login](#) [Sign-up](#)

Gallery



Goverdhan Resort



Guru Kripa Bhavan



Brijwasi Lands Inn



Brijwasi Royal



Khandelwal Seva Sadan

CHAPTER-6

Appendices;

(6.1)Routes of Website(Fiesta Temps):

```
var Router= require('koa-router');

var bodyParser = require('koa-body')();

module.exports = function(app){

  var router = new Router();

  //Welcome Routes

  var searchCtrl = require('../controllers/SearchCtrl');

  var userCtrl = require('../controllers/UserCtrl');

  var bookingCtrl = require('../controllers/ResortBookingCtrl');

  var welcomeCtrl = require('../controllers/WelcomeCtrl');

  var adminCtrl=require('../controllers/AdminCtrl');

  router.get('/home', welcomeCtrl.showHomePage);

  router.get('/gallery',welcomeCtrl.showGalleryPage);

  router.get('/gallery/:rid',welcomeCtrl.showResortGalleryPage);

  router.get('/faq',welcomeCtrl.faq);

  //router.post('/feedback',bodyparser,welcomeCtrl.feedbackpost);

  router.get('/aboutus',welcomeCtrl.showAboutUs);

  router.get('/ourteam',welcomeCtrl.showOurTeam);


  //user controller:
```

```
router.post('/login',userCtrl.login);  
router.post('/signup', userCtrl.signup);  
router.get('/logout', userCtrl.logout);
```

//Booking Controller:

```
router.get('/:role/bookings',bookingCtrl.showMyBookings);  
router.get('/resort/:rid/bookingstatus',bookingCtrl.showMyResort);  
router.get('/resort/:rid',bookingCtrl.showResortByName);  
router.post('/confirmmybooking',bookingCtrl.showConfirmPage);  
router.post('/doBooking/book',bookingCtrl.bookNewBooking);  
router.get('/:role/bookings/:bookingid/cancel',bookingCtrl.cancelMyBooking);  
router.get('/:role/bookings/:bookingid/confirm',bookingCtrl.confirmMyBooking);
```

//Search Controller:

```
router.get('/searchbydate',searchCtrl.showSearchByDatePage);  
router.post('/searchbydate',searchCtrl.searchByDate);  
router.get('/searchbyvenue',searchCtrl.showSearchByVenuePage);  
router.post('/searchbyvenue',searchCtrl.searchByVenue);
```

```
//router.get('/listresort',searchCtrl.listWithLocation);
```

//Admin controller :

```
router.get('/admin/listuser',adminCtrl.showAllUsers);  
router.get('/admin/listresort',adminCtrl.showAllResorts);
```

```
router.get('/admin/resort/addnew',adminCtrl.addResortPage);
router.post('/admin/resort/addnew',adminCtrl.addResort);
router.get('/admin/resort/:rid/remove',adminCtrl.removeResort);
router.get('/admin/resort/:rid/update',adminCtrl.getUpdateForm);
router.post('/admin/resort/:rid/update',adminCtrl.updateResort);
router.post('/becomehost', adminCtrl.addNotification);
router.get('/admin/showNotification',adminCtrl.showNotification);
router.post('/admin/updateuser',adminCtrl.updateUser);
router.post('/admin/deleteuser',adminCtrl.deleteUser);

return router.middleware();
}
```

(6.2)Get Function of Search By Date:

```
showSearchByDatePage: function*(next){
    yield this.render('SearchByDate',{
        bookings:null,
        date:null
    });
}
```


(6.3)Post Function of Search By Date:

```
searchByDate:function* (next){  
    var date=this.request.body.searchdate;  
  
    var queryString="select * from (select distinct r.*,m.* from (resort r join hall h on r.rid=h.rid)  
left join media m on m.hallid=h.hallid where h.hallid not in(select distinct h.hallid from  
hallbooking hb join hall h on h.hallid=hb.hallid where date(funcstart)=date('%s') and  
hb.expirydate>current_timestamp and confirm=1) and remove=0 order by  
field(m.type,'other','video','image') desc) as medresorts group by medresorts.rid;";  
  
    var query=util.format(queryString,date);  
  
    var list=yield databaseUtils.executeQuery(query);  
  
    yield this.render('SearchByDate',{  
        bookings : list,  
        date:date  
    });  
}
```

(6.4)Function to show all user details to admin

```
showAllUsers: function*(next){  
    var queryString="select * from user join userrole join role on user.uid=userrole.uid and  
role.roleid=userrole.roleid and user.remove!=1";  
  
    var results=yield databaseUtils.executeQuery(queryString);  
  
    yield this.render('allusers',{  
        user:results  
    });  
}
```

(6.5)Function to show all user details to admin

```
showAllResorts: function*(next){

var queryString="select * from (select distinct r.*,m.* from (resort r join hall h on r.rid=h.rid)
left join media m on m.hallid=h.hallid where r.remove=0 order by field
(m.type,'other','video','image') desc)as medresorts group by medresorts.rid";

var results=yield databaseUtils.executeQuery(queryString);

yield this.render('allresorts',{

resorts:results

});

}
```