

A Major Project
On
“ONLINE CAB BOOKING”

Submitted by

**KUMPATI BHAVANI
R170835**

In partial fulfilment of the Requirement for the award of the degree of
BACHELOR OF TECHNOLOGY

Under the esteemed guidance of

Mr. K VINOD KUMAR

**Assistant Professor
Department of Computer Science**



DATE: 04 MAY 2023
A.P.Government Act 18 of 2008



CERTIFICATE OF EXAMINER

This is to certify that the report entitled ONLINE CAB BOOKING submitted by KUMPATI BHAVANI-R170835 in partial fulfillment of the requirement award of Bachelor of Technology in Computer Science and Engineering is a bonafide work carried out by her under my supervision and guidance. I am ineffably indebted to Mr. Vinod Kumar K, my project internal guide for conscientious guidance and encouragement to accomplish this project.

I am extremely thankful and pay my gratitude to Mr. N Sathyanadharm sir, HOD CSE Dept, for his valuable guidance and support on the completion of this project. The report hasn't been submitted previously in part or in full to this or any other university or institution for the award of any degree.

Project Guide,

**K VINOD KUMAR
Asst,Prof-CSE
RGUKT RK VALLEY**

Head of Department,

**N SATYANANDARAM
HOD-CSE
RGUKT RK VALLEY**



CERTIFICATE OF PROJECT COMPLETION

This is to certify that the report entitled ONLINE CAB BOOKING submitted by KUMPATI BHAVANI in partial fulfillment of the requirement for the award of Bachelor of Technology in Computer Science and Engineering is a bonafide work carried out by her under my supervision and guidance.

The report hasn't been submitted previously in part or in full to this or any other university or institution for the award of any degree.

Project Guide,

**K VINOD KUMAR
Asst,Prof-CSE
RGUKT RK VALLEY**

Head of Department,

**N SATYANANDARAM
HOD-CSE
RGUKT RK VALLEY**



Declaration

I, KUMPATI BHAVANI, here declare that this report entitled “ONLINE CAB BOOKING” submitted by me under the guidance and supervision of K VINOD KUMAR is a bonafide work. I also declare that it has not been submitted previously in part or in full to this University or Institution for the award of any degree.

Date: 04 MAY 2023

KUMPATI BHAVANI-R170835

Acknowledgement

I would like to express my sincere gratitude to Mr.K Vinod Kumar , my project internal Guide for valuable suggestions and keen interest throughout the progress of my course of research.

I would also like to extend my gratitude to Mr.N Sathyanadharam sir HOD of CSE Dept, for providing extraordinary support in this process. At the outset, I would like to thank Rajiv Gandhi University of Knowledge Technologies RK Valley for providing all the necessary resources for the successful completion of my course work.

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ABSTRACT

This project deals with an online system designed for booking cabs as per the requirements of the customers at their convenience. The current system is manual and it is time-consuming. It is also cost-ineffective, and average return is low and diminishing.

We give customer satisfaction the utmost priority and so give ample options to book cab by entering details like their journey date and time, origin, pick-up point, destination and the drop-off point they need to reach.

INTRODUCTION:

Web applications can also reach numerous audience and in case of our E-Learning Platform it is having many more reasons why we focus more on web application only, because our app is for providing courses for different categories of learners especially engineering students and many undergraduate students use laptops and hence web applications are much accessible for them.

a. Approach to build dynamic web application

- Web Frameworks

A web framework is a software framework that provides support for development of web applications like web services, web APIs, web resources, etc.

Web framework provides a standard way to build, deploy and maintain web applications.

Web framework also provides tools and libraries that simplify the common operations like data base querying, world wide web interaction.

Especially REST APIs play crucial role in simplifying and establishing a reliable and fast connection between client and server. Client – Server communication happens via HTTP where client initiates the communication by sending a HTTP request to the server and server send a HTTP response to client.

b. Responsive Web Design

Responsive web design is the new normal requirement especially while developing a web application for all devices to fit on different screen resolutions to enhance the user experience. There are many CSS frameworks to make it easy for the developers like Bootstrap, JQuery, Vue Js, React Js, Angular, etc.

c. Why Responsive Design

- Responsive web design is key to reach users of different devices like tablet, mobile, iPad, etc. Device resolution should not impose limit on users accessing our resources.
- Hence responsive design is most advisable for content delivery businesses.
- It reduces the loading time of your web application for the mobile devices since it provides device-optimized view.

EXISTING SYSTEM & DISADVANTAGES:

- ☐ Existing system requires lots of physical and mental efforts as cabs are booked manually on call.
- ☐ Many chances of human errors such as wrong entry of journey date, time and location are recorded manually in a register by an employee thereby increasing chances of misregistration.
- ☐ No clear communication among drivers, passengers and the office leading to denial of service.
- ☐ Punctuality is not maintained and faster accessibility of cabs is not possible due to traffic and miscommunication issues.
- ☐ Level of sharing of information is weak.
- ☐ Customers suffers a lot in terms of comfort and safety.
- ☐ Maintaining and assigning responsibilities to the cab drivers by the service providers becomes difficult in the long run.

PROPOSED SYSTEM:

- The proposed system ensures that the users can book the cab as per their requirements by logging on to the website.
- It allows users to book their cabs online, manage their bookings and cancel their bookings at any point of time.
- The users will get notified about the driver and his mobile no. so as to communicate with him.
- Regular updates are provided to the customer so that they are aware of their bookings, driver details and booking status.
- The user can also drop in their suggestions or queries in the feedback form.

ADVANTAGES:

- It enhances business processes since it makes use of internet technology to increase their profits.
- The software acts as a 24/7 office due to its all-time availability.
- It increases the efficiency of the system in offering quality services to it's customers.
- It's user friendly as they can book cabs at the comfort of their homes or offices.
- It's highly secure as it requires only a logged in person to book the cab which prevents misuse of their details by intruders.

Modules And Description:

ADMIN MODULE

Admin module allows system administrator to set up back-end of the system and perform basic system configuration, mainly definition of predefined drop-down fields, definition of classes time schedule, etc.

ADD CABS:

In Add Cab module a project manager add or delete a Cab details to the database. He can set the details of the route and the timing. Cab details add total number of available Passengers, 4 - seats, reserved seats and total seating capacity and the route in which the Cab is going to be are added

USER LOGIN:

The Login Module is a portal module that allows users to type a user name and password to log in. You can add this module on any module tab to allow users to log in to the system. If you allow users to create accounts and turn on Portal Direct Entry, a Create Account link appears in the Login Module

CHECK AVAILABILITY:

This module enables that customers can track their shipping facility using zip code. It will give customers can comfort with their orders and shipping detail. In addition, this module will improve customer support.

BOOKING CABS:

Passengers can book his ticket for his travel by Cab with a specific route.

MY BOOKINGS:

In this the user can be view his booking status. In this the user can be also cancel his booking

SYSTEM REQUIREMENTS:

HARDWARE REQUIREMENTS:

Processor	:	Pentium IV
Hard Disk	:	200 GB or more
RAM	:	1 GB or more

SOFTWARE REQUIREMENTS:

Operating System	:	Windows (Any version)
User Interface	:	HTML, CSS
Client-side Scripting	:	JavaScript
Programming Language	:	Java
Web Applications	:	Servlets, JSP
IDE/Workbench	:	NetBeans 7.4
Database	:	MySQL
Server Deployment	:	Tomcat 7.0

.

SYSTEM DESIGN:

The System Design Document describes the system requirements, operating environment, system and subsystem architecture, files and database design, input formats, output layouts, human-machine interfaces, detailed design, processing logic, and external interfaces.

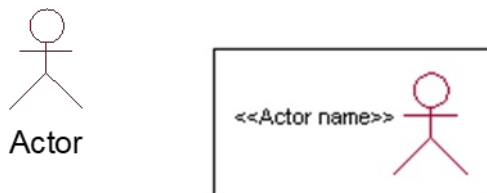
UML DIAGRAMS

Global Use Case Diagrams:

Identification of actors:

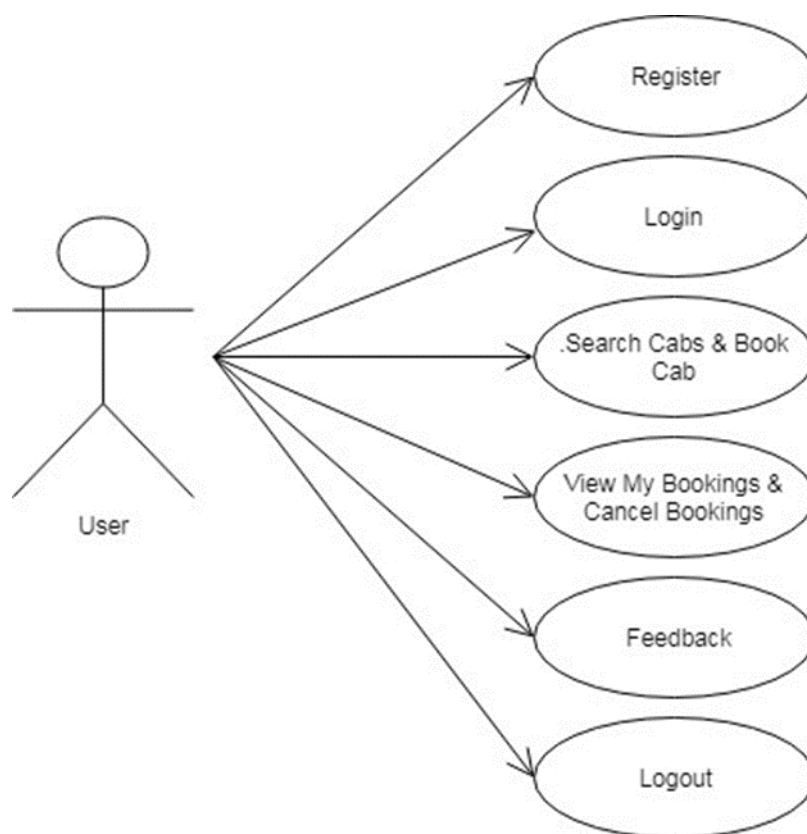
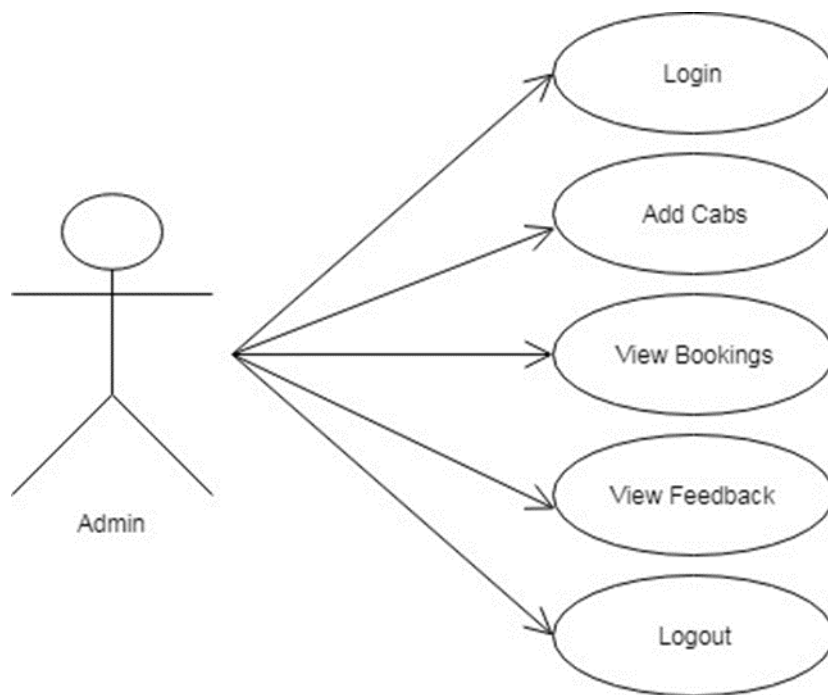
Actor: Actor represents the role a user plays with respect to the system. An actor interacts with, but has no control over the use cases.

Graphical representation:



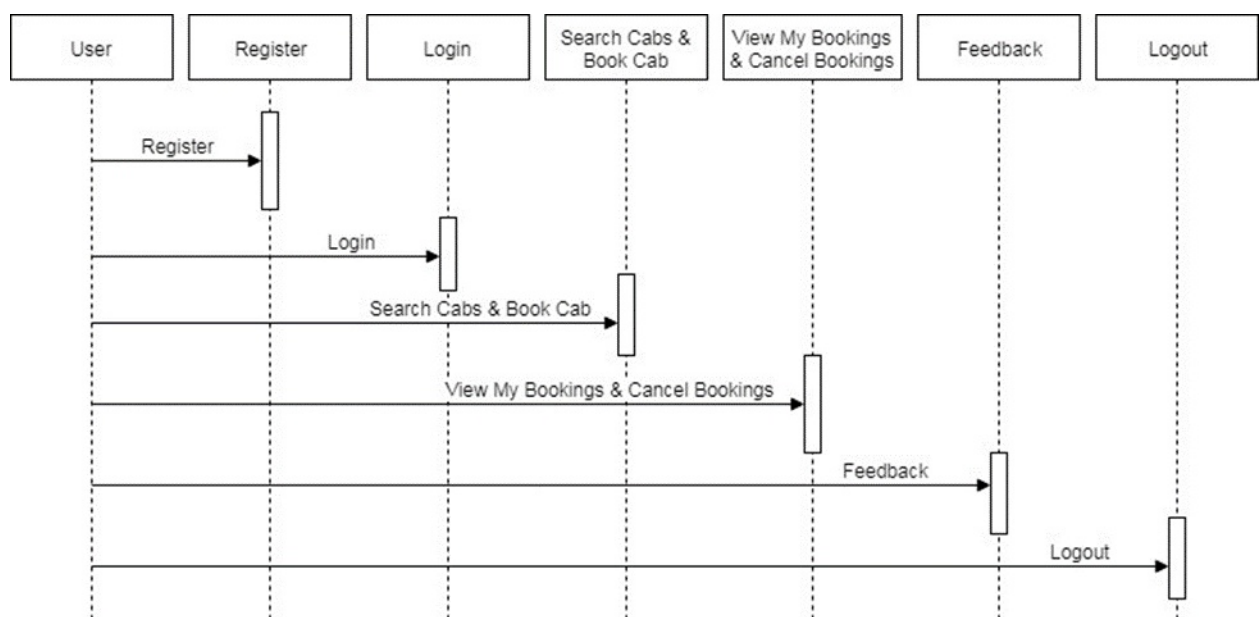
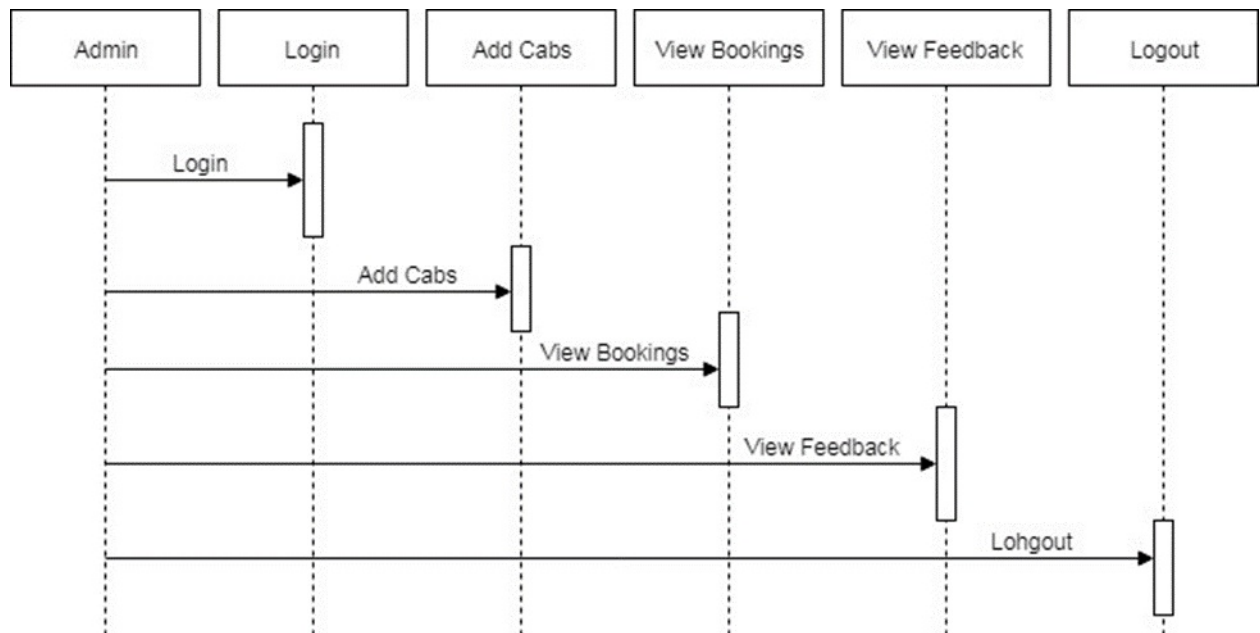
Construction of Usecase diagrams:

A use case diagram in the Unified Modeling Language (UML) is a type of behavioral diagram defined by and created from a Use-case analysis. Its purpose is to present a graphical overview of the functionality provided by a system in terms of actors, their goals (represented as use cases), and any dependencies between those use cases. The main purpose of a use case diagram is to show what system functions are performed for which actor. Roles of the actors in the system can be depicted



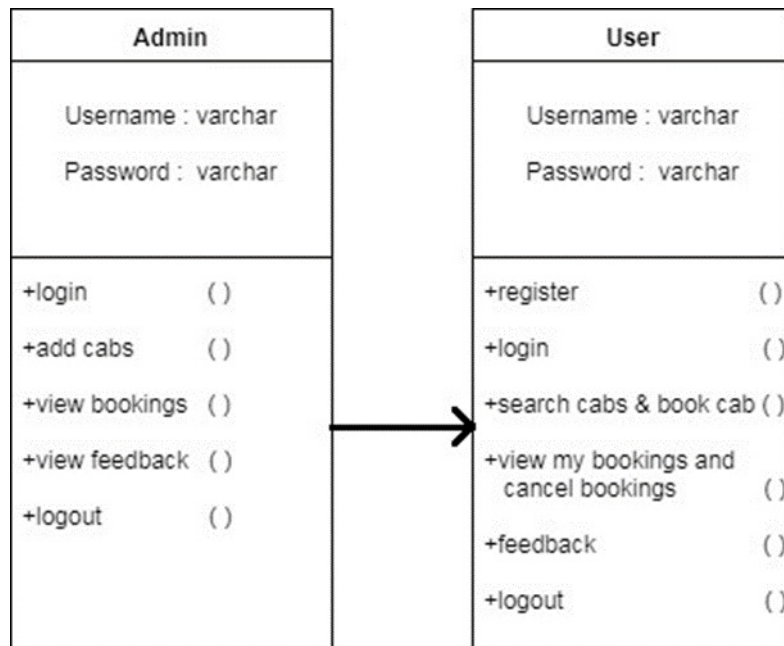
SEQUENCE DIAGRAMS :

A sequence diagram in Unified Modeling Language (UML) is a kind of interaction diagram that shows how processes operate with one another and in what order. It is a construct of a Message Sequence Chart. Sequence diagrams are sometimes called event diagrams, event scenarios, and timing diagrams.



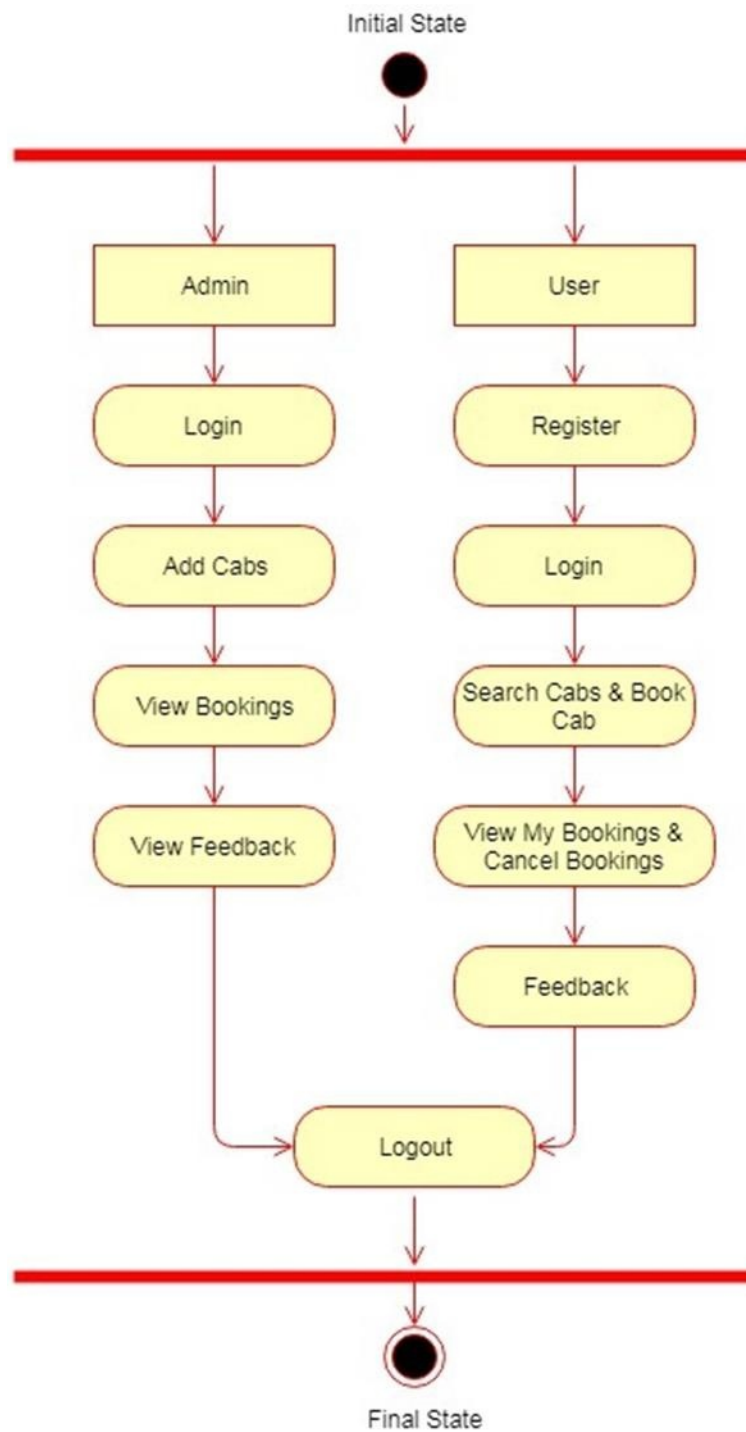
CLASS DIAGRAM:

In software engineering, a class diagram in the Unified Modeling Language (UML) is a type of static structure diagram that describes the structure of a system by showing the system's classes, their attributes, operations (or methods), and the relationships among the classes. It explains which class contains information.



ACTIVITY DIAGRAM:

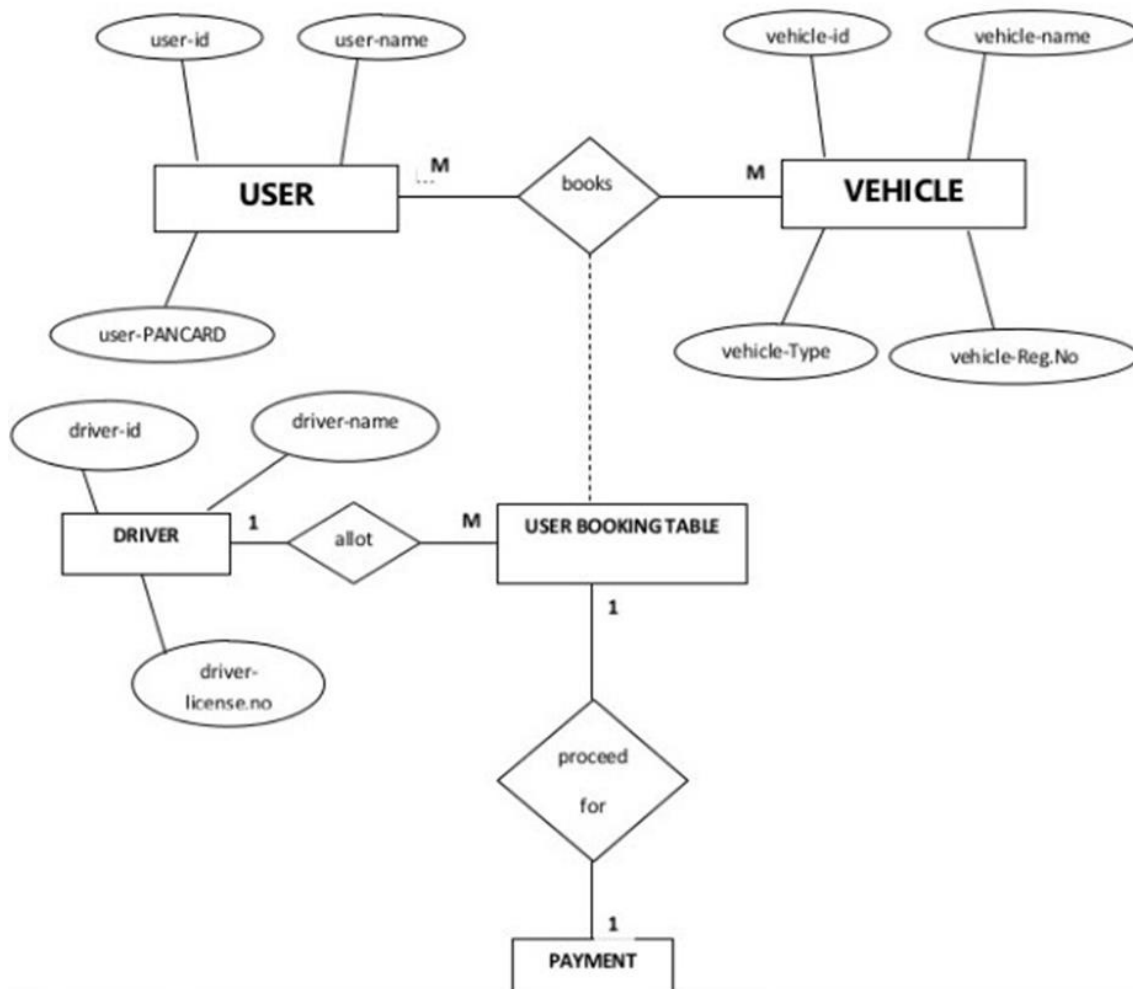
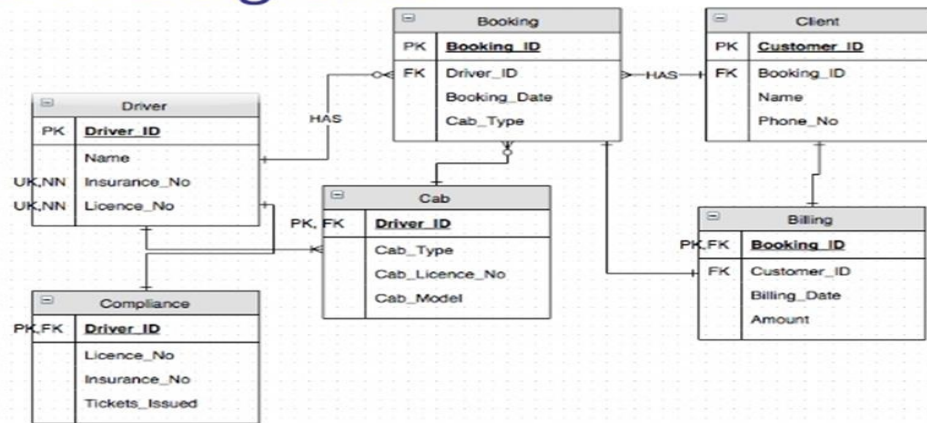
Activity diagrams are graphical representations of workflows of stepwise activities and actions with support for choice, iteration and concurrency. In the Unified Modeling Language, activity diagrams can be used to describe the business and operational step-by-step workflows of components in a system. An activity diagram shows the overall flow of control.



ER-Diagrams:



E-R Diagrams



Implementation:

HOME PAGE:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

<title>Online Cab Booking</title>

<meta name="keywords" content="" />

<meta name="description" content="" />

<link href="css/tooplate_style.css" rel="stylesheet" type="text/css" /

<link rel="stylesheet" href="css/nivo-slider.css" type="text/css" media="screen" />

<script src="js/jquery.min.js" type="text/javascript"></script>

<script src="js/jquery.nivo.slider.js" type="text/javascript"></script>

</head>

<body>

<div id="tooplate_wrapper">

<div id="tooplate_header">

<br/><center><h1><a href="#">Online Cab Booking</a></h1></center>

<div class="cleaner"></div>

</div>

<div id="tooplate_menu">

<ul>

<li><a href="index.html" class="current">Home</a></li>

<li><a href="admin.jsp">Admin</a></li>

<li><a href="user.jsp">User</a></li>

</ul>
```

```

</div>

<div id="tooplate_middle">

<div id="middle_left">

<h2>Online Cab Booking</h2>

<p>We give customer satisfaction the utmost priority and so give ample options to book cab
by entering details like their journey date and time , pick-up point and the destination they
need to reach. </p>

</div>

<div id="slider_wrapper">

<div id="slider">

<a href="#"></a>

</div>

</div>

</div>

</div>

<div id="tooplate_main_top"></div>

<div id="tooplate_main">

<div class="col_w900 col_w900_last">

<div class="col_w580 float_l">

    <center><div class="con_tit_01">Welcome <span>to Online Cab
Booking</span></div></center>

<br/><br/><br/><br/><br/>

</div>

</div>

<div class="cleaner"></div>

</div>

<div id="tooplate_footer">

</div>

</div></body></html>

```

ADMIN HOME:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

<title>Online Cab Booking</title>

<meta name="keywords" content="" />

<meta name="description" content="" />

<link href="css/tooplate_style.css" rel="stylesheet" type="text/css" />

<link rel="stylesheet" href="css/nivo-slider.css" type="text/css" media="screen" />

<script src="js/jquery.min.js" type="text/javascript"></script>

<script src="js/jquery.nivo.slider.js" type="text/javascript"></script>

</head>

<body>

    <%

    if (request.getParameter("msg") != null) {%>

        <script>alert('Login Successful');</script>

    <%}%>

<div id="tooplate_wrapper">

<div id="tooplate_header">

<br/><center><h1><a href="#">Online Cab Booking</a></h1></center>

<div class="cleaner"></div>

</div>

<div id="tooplate_menu">

<ul>

<li><a href="adminhome.jsp" class="current">Home</a></li>
```

```

<li><a href="addcabs.jsp">Add Cabs</a></li>

<li><a href="viewbookings.jsp">View Bookings</a></li>

<li><a href="viewfeedback.jsp">View Feedback</a></li>

<li><a href="admin.jsp">Logout</a></li>

</ul>

</div>

<div id="tooplate_middle">

<div id="middle_left">

<h2>Online Cab Booking</h2>

<p>We give customer satisfaction the utmost priority and so give ample options to book cab
by entering details like their journey date and time , pick-up point and the destination they
need to reach. </p>

</div>

<div id="slider_wrapper">

<div id="slider">

<a href="#"></a></div></div></div>

<div id="tooplate_main_top"></div>

<div id="tooplate_main">

<div class="col_w900 col_w900_last">

<div class="col_w580 float_l">

<br/>

<center><p><font color="black" size="5"> Welcome Admin </font></p></center>

<br/><br/>

</div>

</div>

<div class="cleaner"></div>

</div>

<div id="tooplate_footer"></div></div></body></html>

```

USER HOME:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

<title>Online Cab Booking</title>

<meta name="keywords" content="" />

<meta name="description" content="" />

<link href="css/tooplate_style.css" rel="stylesheet" type="text/css" />

<link rel="stylesheet" href="css/nivo-slider.css" type="text/css" media="screen" />

<script src="js/jquery.min.js" type="text/javascript"></script>

<script src="js/jquery.nivo.slider.js" type="text/javascript"></script>

</head>

<body>

    <%

    if (request.getParameter("msg") != null) {%>

        <script>alert('Login Successful');</script>

    <%}%>

<div id="tooplate_wrapper">

<div id="tooplate_header">

<br/><center><h1><a href="#">Online Cab Booking</a></h1></center>

<div class="cleaner"></div>

</div>

<div id="tooplate_menu">

<ul>

<li><a href="userhome.jsp" class="current">Home</a></li>
```



```

<li><a href="search.jsp">Search Cabs</a></li>

<li><a href="viewmybookings.jsp">My Bookings</a></li>

<li><a href="user.jsp">Logout</a></li>

</ul>

</div>

<div id="tooplate_middle">

<div id="middle_left">

<h2>Online Cab Booking</h2>

<p>We give customer satisfaction the utmost priority and so give ample options to book cab
by entering details like their journey date and time , pick-up point and the destination they
need to reach. </p>

</div>

<div id="slider_wrapper">

<div id="slider">

<a href="#"></a></div></div></div>

<div id="tooplate_main_top"></div>

<div id="tooplate_main">

<div class="col_w900 col_w900_last">

<div class="col_w580 float_l">

<%

String user = session.getAttribute("user").toString();

%>

<br/>

<center><p><font color="black" size="5"> Welcome
<%=user%></font></p></center><br/><br/></div>

</div>

<div class="cleaner"></div>

</div>

```

```
<div id="tooplate_footer">

</div></div></body></html>
```

DATABASE CONNECTION:

```
<%@ page import="java.sql.*"%>
<%@ page import="java.util.*" %>
<%

        Connection connection = null;

        try {

            Class.forName("com.mysql.jdbc.Driver");

            connection =
DriverManager.getConnection("jdbc:mysql://localhost:3306/onlinecab","root","root");

            String sql="";

        }

        catch(Exception e)

        {

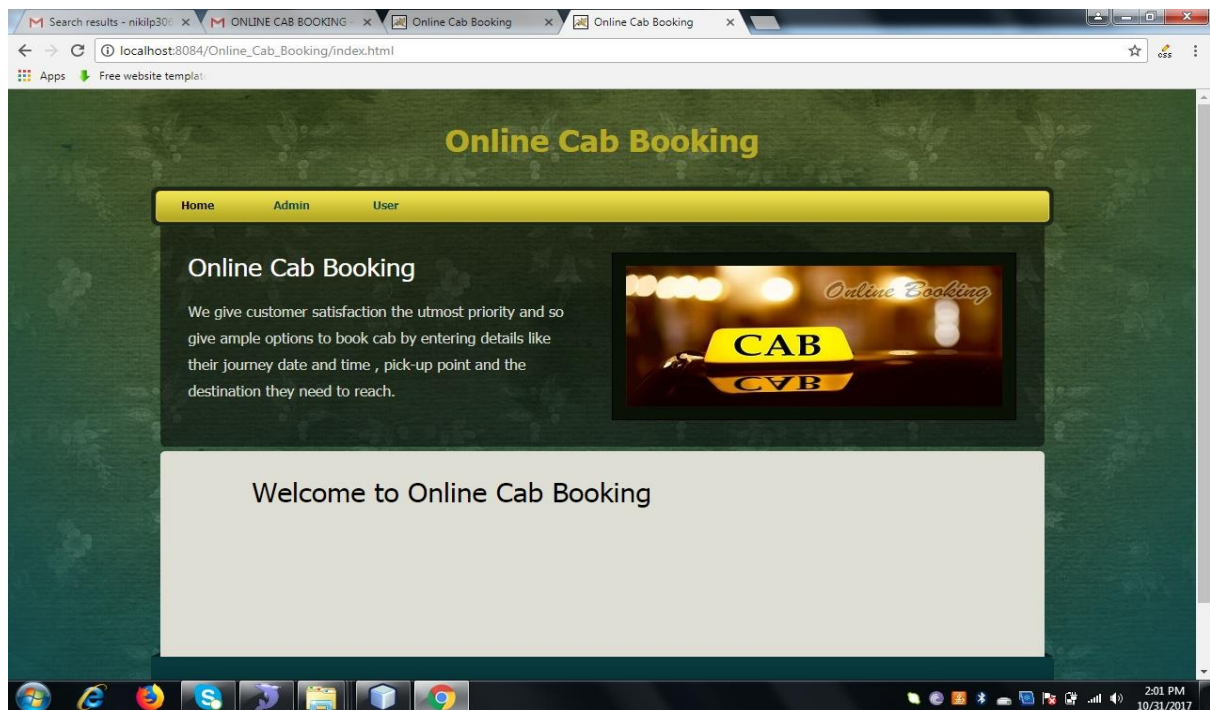
            System.out.println(e);

        }

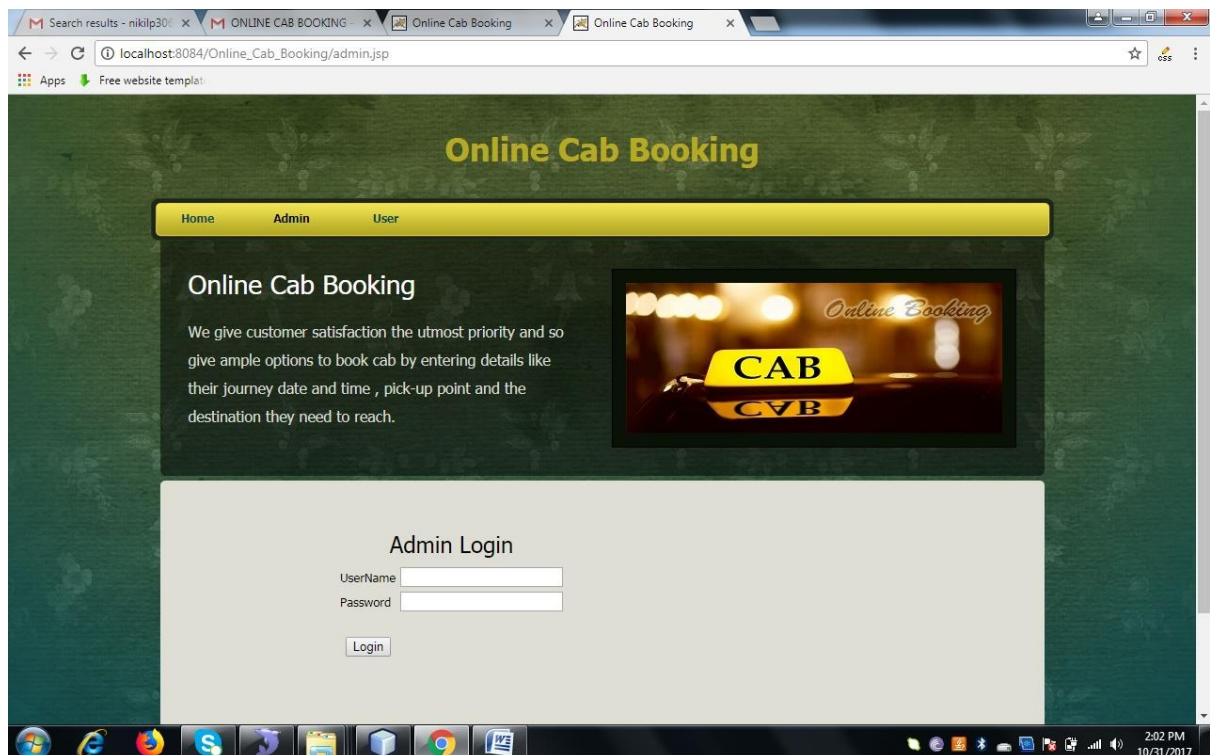
%>
```

SCREEN SHOTS:

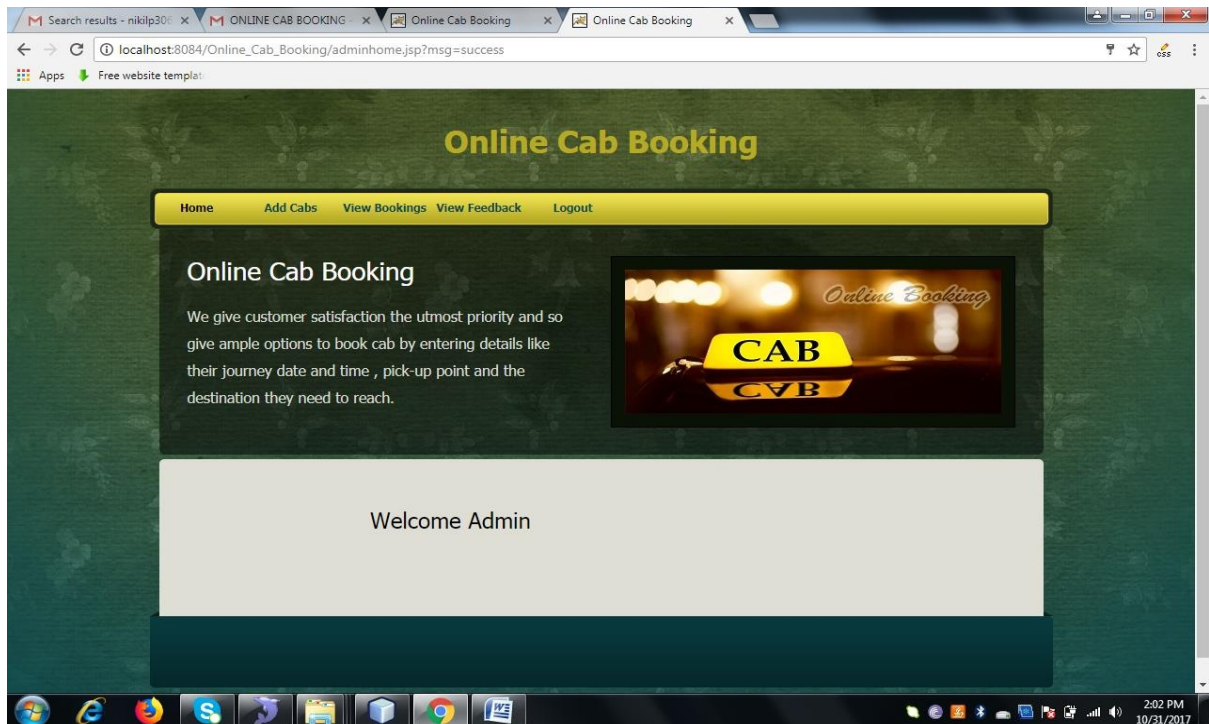
HOME



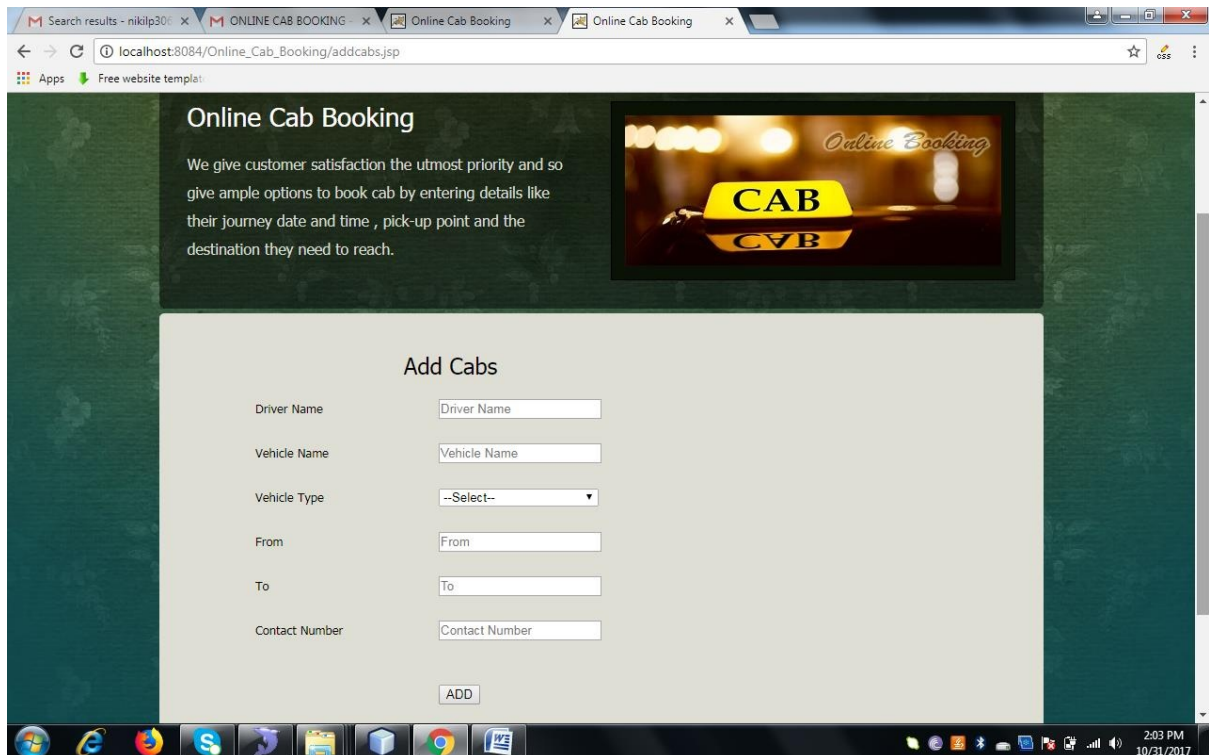
ADMIN LOGIN:



ADMIN HOME :



ADD CABS :



VIEW BOOKINGS:

The screenshot shows a web browser window with the URL `localhost:8084/Online_Cab_Booking/viewbookings.jsp`. The page has a green background with a yellow navigation bar at the top containing links: Home, Add Cabs, View Bookings, View Feedback, and Logout. The main content area is titled 'Online Cab Booking' and includes a paragraph: 'We give customer satisfaction the utmost priority and so give ample options to book cab by entering details like their journey date and time, pick-up point and the destination they need to reach.' To the right of this text is an image of a yellow cab sign with 'CAB' and 'CVB' on it. Below the text and image is a section titled 'View Bookings' containing a table with booking details.

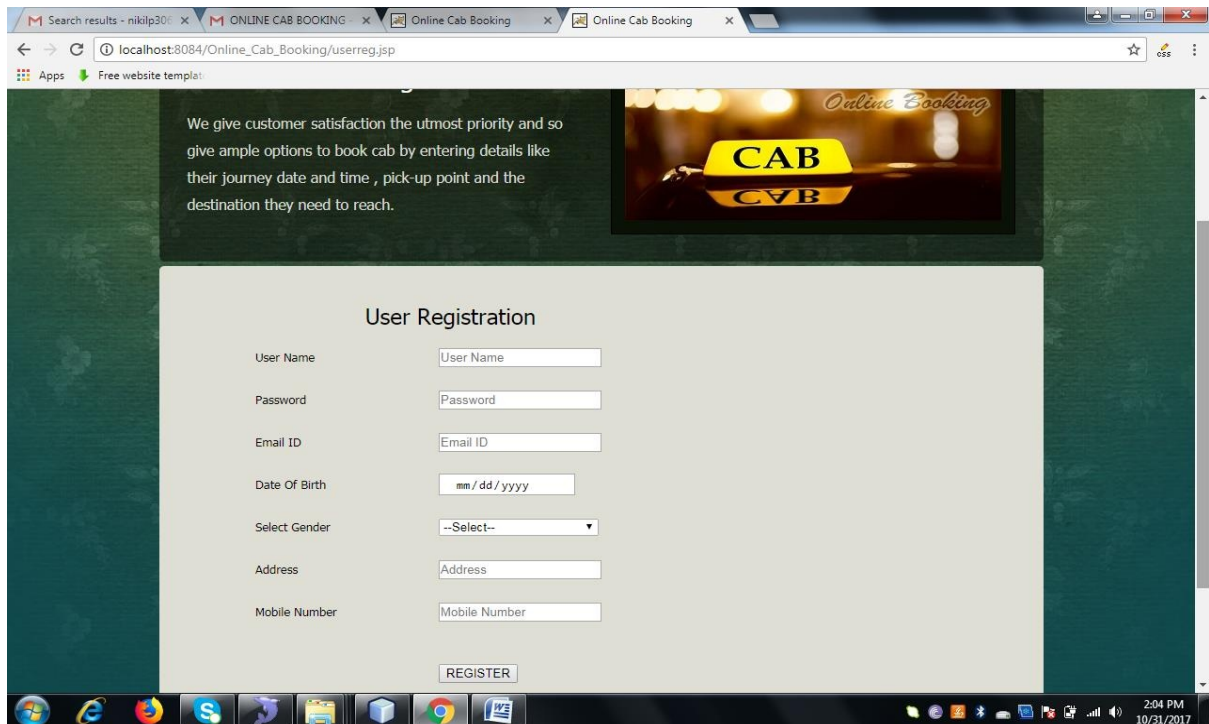
User Name	Driver Name	Vehicle No	Vehicle Type	From	To	Date	Time	Status
ram	krish	TS08AB1234	Swift Dezire	Ameerpet	Koti	2017-11-01	13:54	Booked

VIEW FEEDBACKS:

The screenshot shows a web browser window with the URL `localhost:8084/Online_Cab_Booking/viewfeedback.jsp`. The page has a green background with a yellow navigation bar at the top containing links: Home, Add Cabs, View Bookings, View Feedback, and Logout. The main content area is titled 'Online Cab Booking' and includes a paragraph: 'We give customer satisfaction the utmost priority and so give ample options to book cab by entering details like their journey date and time, pick-up point and the destination they need to reach.' To the right of this text is an image of a yellow cab sign with 'CAB' and 'CVB' on it. Below the text and image is a section titled 'View Feedback' containing a table with feedback details.

User Name	Driver Name	Vehicle No	Feedback
ram	krish	TS08AB1234	very good service

USER REGISTRATION:

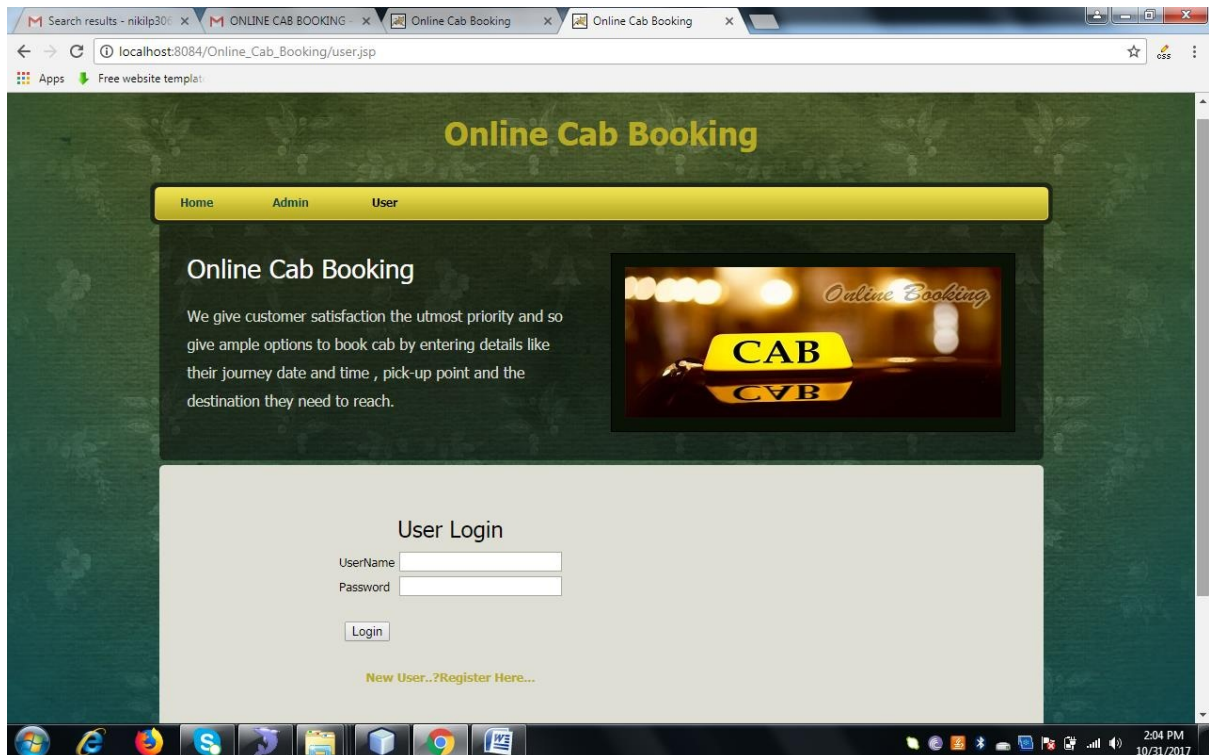


The screenshot shows a web browser window with the URL `localhost:8084/Online_Cab_Booking/userreg.jsp`. The page has a dark green background with a yellow "CAB" sign graphic. The main content area is a white box titled "User Registration". It contains the following fields and controls:

- User Name:
- Password:
- Email ID:
- Date Of Birth:
- Select Gender:
- Address:
- Mobile Number:
- REGISTER:

At the top left of the white box, there is a paragraph: "We give customer satisfaction the utmost priority and so give ample options to book cab by entering details like their journey date and time , pick-up point and the destination they need to reach."

USER LOGIN:

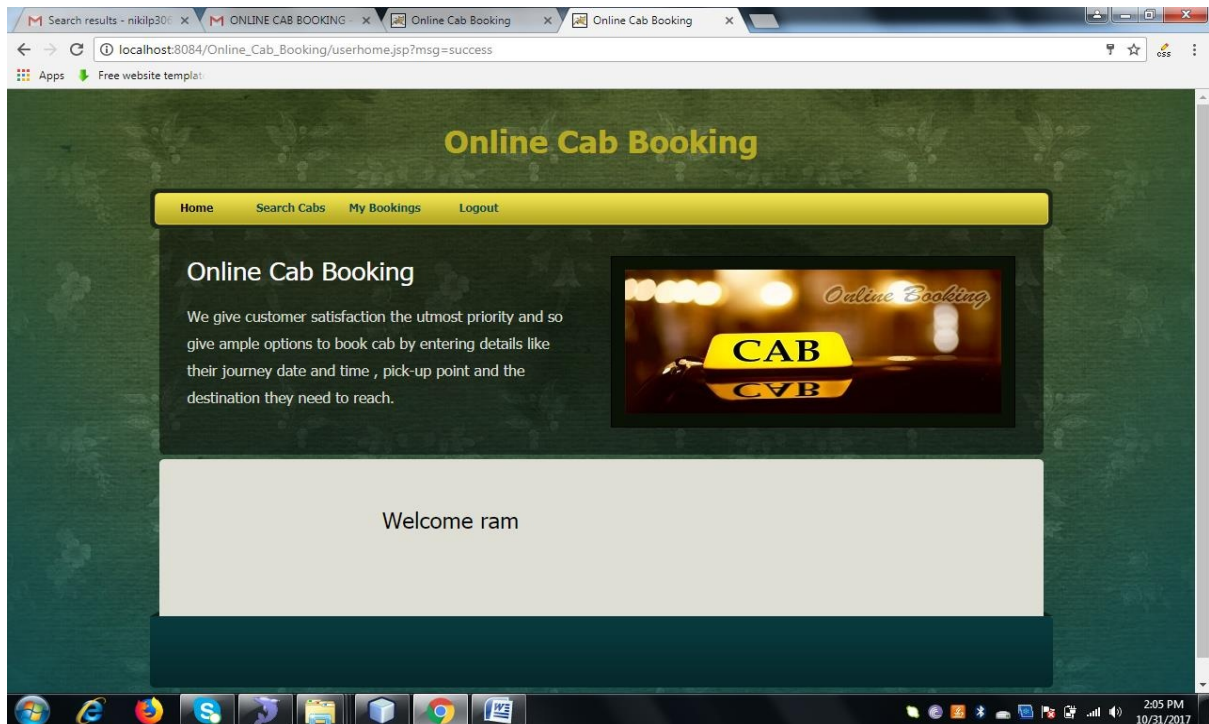


The screenshot shows a web browser window with the URL `localhost:8084/Online_Cab_Booking/user.jsp`. The page has a dark green background with a yellow "CAB" sign graphic. The main content area is a white box titled "User Login". It contains the following fields and controls:

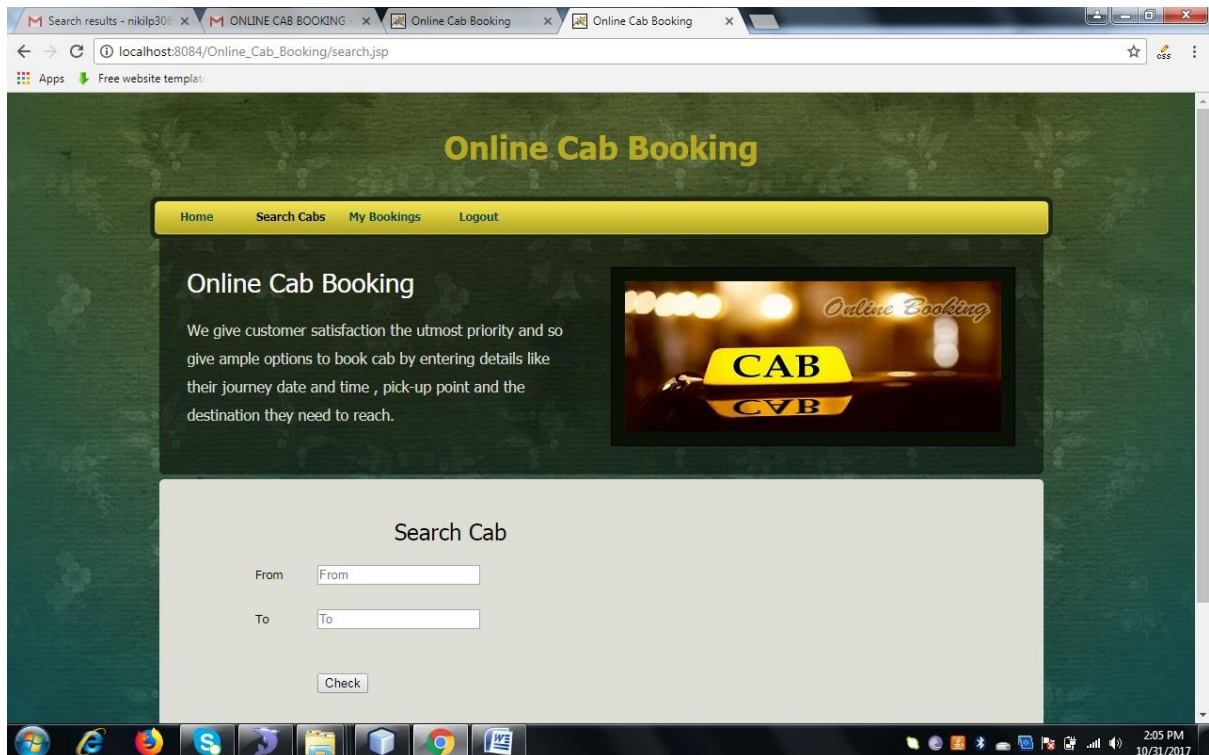
- UserName:
- Password:
- Login:
- New User..?Register Here...: [New User..?Register Here...](#)

At the top of the white box, there is a paragraph: "We give customer satisfaction the utmost priority and so give ample options to book cab by entering details like their journey date and time , pick-up point and the destination they need to reach."

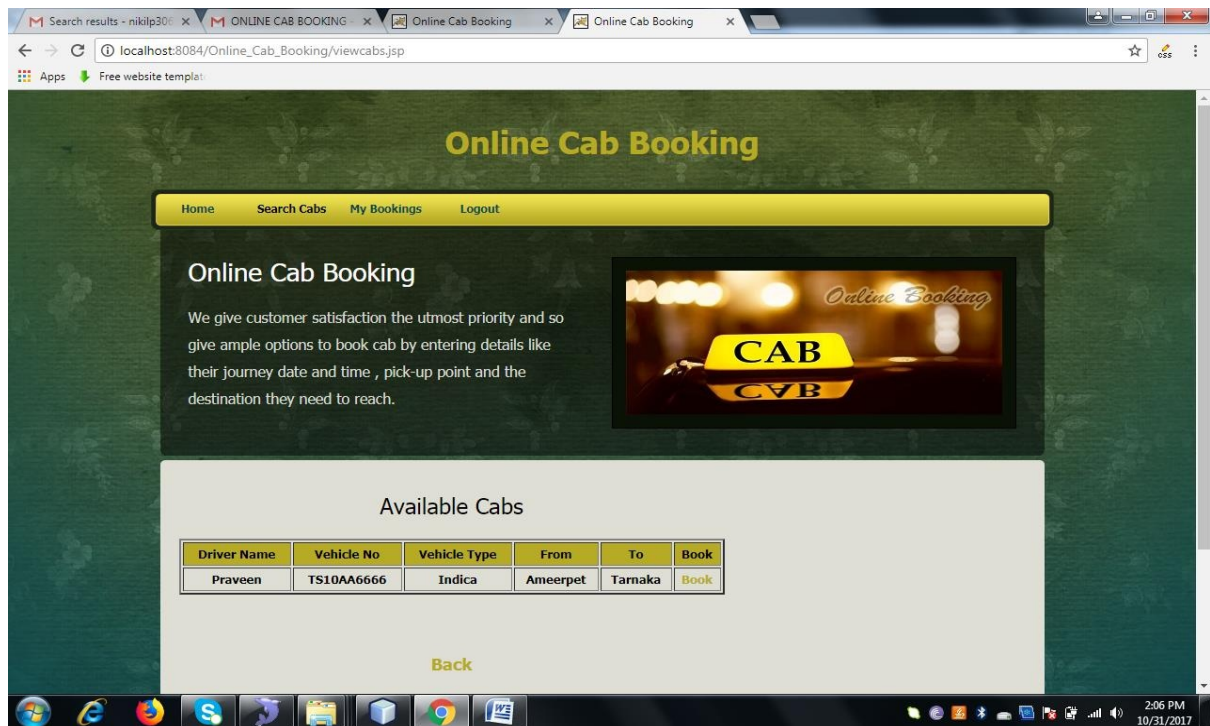
USER HOME:



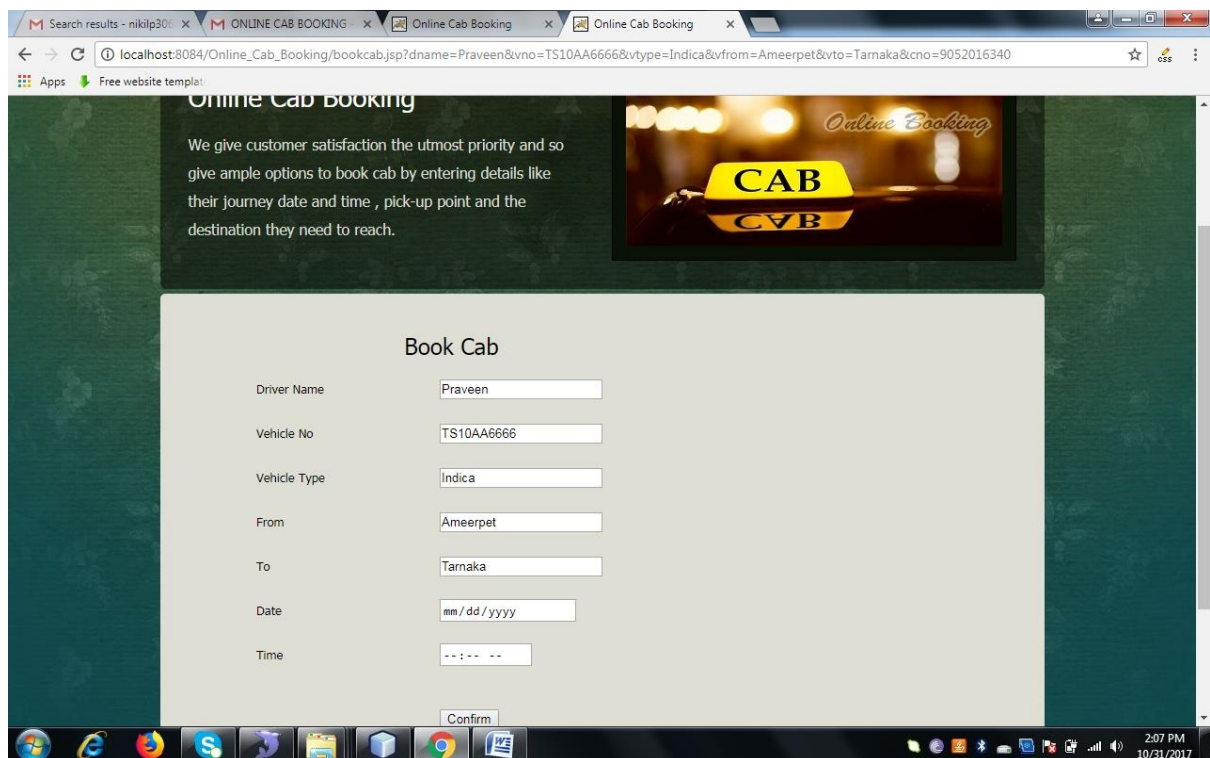
SEARCH CAB:



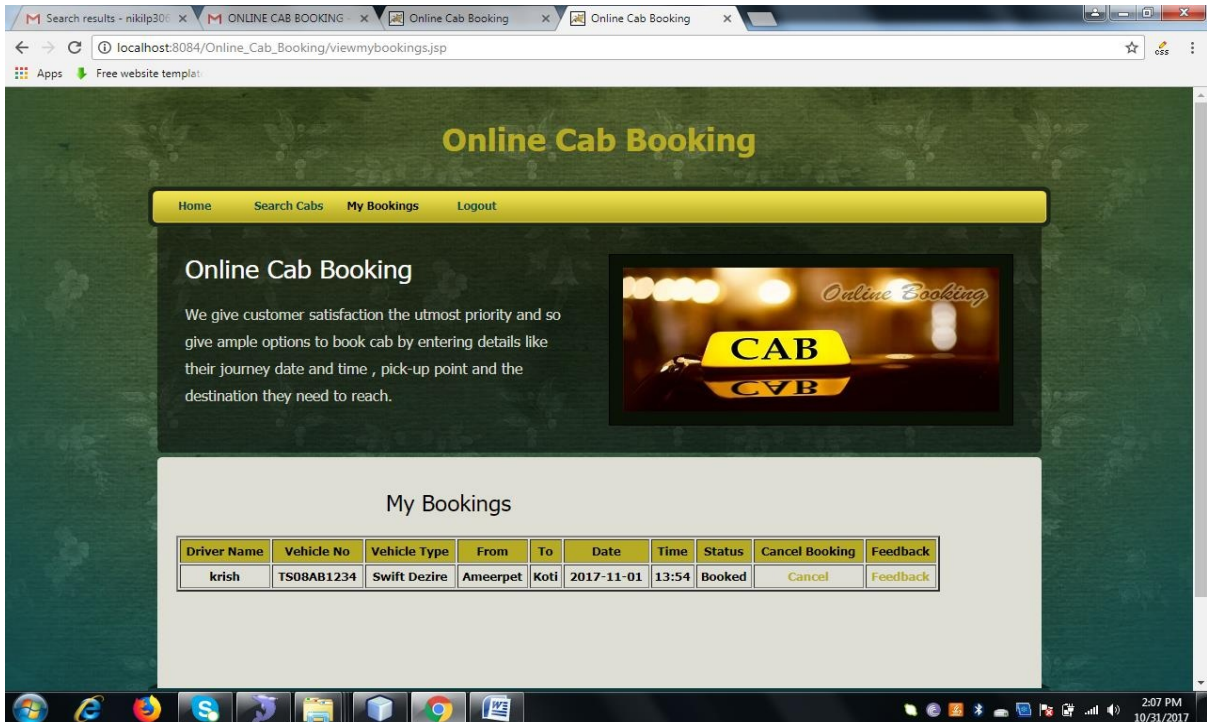
VIEW AVAILABILITY & BOOK:



BOOK CAB:



VIEW MY BOOKINGS & CANCEL BOOKINGS:



Online Cab Booking

Home Search Cabs **My Bookings** Logout

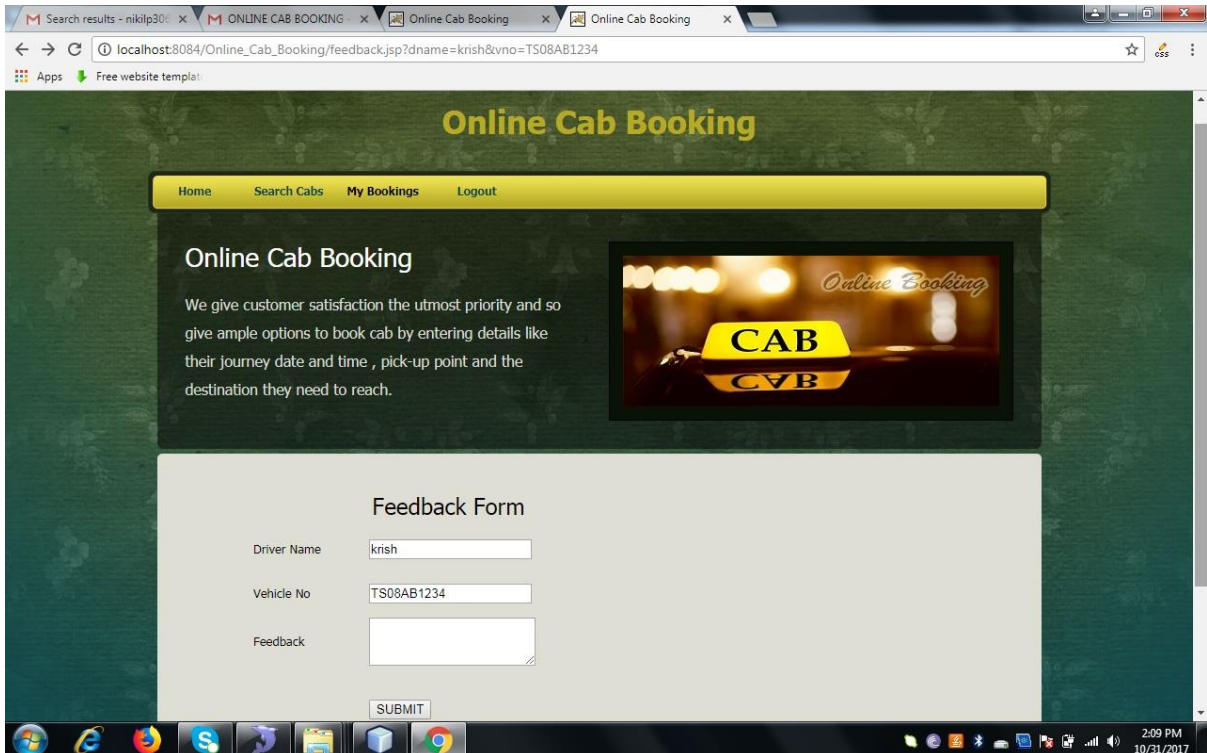
Online Cab Booking

We give customer satisfaction the utmost priority and so give ample options to book cab by entering details like their journey date and time, pick-up point and the destination they need to reach.

My Bookings

Driver Name	Vehicle No	Vehicle Type	From	To	Date	Time	Status	Cancel Booking	Feedback
krish	TS08AB1234	Swift Dezire	Ameerpet	Koti	2017-11-01	13:54	Booked	Cancel	Feedback

FEEDBACK FORM:



Online Cab Booking

Home Search Cabs **My Bookings** Logout

Online Cab Booking

We give customer satisfaction the utmost priority and so give ample options to book cab by entering details like their journey date and time, pick-up point and the destination they need to reach.

Feedback Form

Driver Name

Vehicle No

Feedback

CONCLUSION:

WORK DONE:

The “**ONLINE CAB BOOKING**” was successfully designed and is tested for accuracy and quality.

During this project we have accomplished all the objectives and this project meets the needs of the organization. The developed will be used in searching, retrieving and generating information for the concerned requests.

GOALS

- ☐ Reduced entry work
- ☐ Easy retrieval of information
- ☐ Reduced errors due to human intervention
- ☐ User friendly screens to enter the data
- ☐ Portable and flexible for further enhancement
- ☐ Web enabled.

BIBLIOGRAPHY:

- (1) Java Complete Reference by Herbert Shield
- (2) Database Programming with JDBC and Java by George Reese
- (3) Java and XML By Brett McLaughlin
- (4) Wikipedia, URL: <http://www.wikipedia.org>.
- (5) Google, URL: <http://www.google.co.in>
- (6) Project Management URL: <http://www.startwright.com/project.htm>
- (7) For java script www.w3schools.com and www.hscripts.com

