

ISO CLOUDS

A Skill Oriented Course Web Application / Project report
Submitted in the partial fulfillment of the requirements for
the award of the degree of
Bachelor of Technology

in

Computer Science and Engineering

by

K.SAGAR 20761A0595

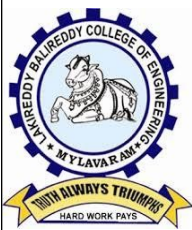
Under the guidance of

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Department of Computer Science and Engineering
Lakireddy Bali Reddy College of Engineering (Autonomous)

Accredited by NAAC with A grade & NBA (Under Tier - I)
Affiliated to JNTUK, Kakinada; ISO 9001:2015 Certified
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(AUTONOMOUS)

Accredited by NAAC with 'A' Grade & NBA (Under Tier - I), ISO 9001:2015 Certified Institution

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Certificate

This is to certify that the Skill Oriented Course Web Application / Project entitled “**ISO CLOUDS**” is being submitted by **SAGAR** in partial fulfillment for the award of B. Tech in Computer Science & Engineering to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by him/her under our guidance.

The results embodied in this Skill Oriented Course Web Application / Project report have not been submitted to any other University or Institute for the award of any degree or diploma.

Project Guide

Dr. K Devi Priya
Associate Professor

Head of the department

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I am thankful to the teaching and non-teaching staff of CSE department for their direct as well as indirect help in my Skill Oriented Course Web Application.

I am elated to avail my selves to this opportunity to express my deep sense of gratitude to my parents.

ISO CLOUDS

Abstract

I will have a brief look towards my web application , it is a simple and easy application for day to day usage ,in this context i will figured it up with some points those are simple , my main moto is to reduce google searching for hours for installing a operating system in my application i am focused on 2 main things that are presently we are using as windows and mac books and those are trending now , i am focused how to install that trending OS in your computer with minimal steps and i have provided ISO image file for windows and DMG file for mac as well ,in this module i have maintained a good backend web application for my mini project i will carry this forward and this is so much to go as you know , so my main theam of this application is to build a website with the installation media as well as supportive and easy guidance

CONTENTS

CONCEPTS	Page
No	
1. Introduction	
2. Working	
2.1 Modules	
3. System Design	
3.1 Database Design	
3.2 Use case Diagram	
3.3 Sequence Diagram	
4. Implementation	
4.1 Front end sample code	
4.2 Back end sample code	
5. Screen Shots	
6. Conclusion	
7. References / web links	

Introduction:-

in my application i am focused on 2 main things that are presently we are using as windows and mac books and those are trending now , i am focused how to install that trending OS in your computer with minimal steps and i have provided ISO image file for windows and DMG file for mac as well ,in this module i have maintained a good backend web application for my mini project
Mianly i have 2 kinds of OS :-

WINDOWS

this web site provides the downloadable links for windows
provides :-

- 1.windows 7
- 2.windows 8
- 3.windows 10
- 4.windows 11

MAC BOOK

this web site provides the downloadable links for MAC OS
provides :-

- 1.macos catalina
- 2.mac os bigsur
- 3.mac high sierra
- 4.mac mojave

MODULES

1. Making a connection to a database :

There are 5 steps to connect any java application with the database using JDBC. These steps are as follows:

1. Register the Driver class:

The `forName()` method is used to register the driver class.

2. Create connection:

The `getConnection()` method of `DriverManager` class is used to establish connection with the database.

3. Create statement :

The `createStatement()` method of `Connection` interface is used to create statement. The object of statement is responsible to execute queries with the database.

4. Execute queries:

The `executeQuery()` method of `Statement` interface is used to execute queries to the database. This method returns the object of `ResultSet` that can be used to get all the records of a table

5. Close connection:

By closing connection object statement and `ResultSet` will be closed automatically. The `close()` method of `Connection` interface is used to close the connection.

2. Creating SQL statements:

To connect Java application with the ORACLE database, we need to follow 4 following steps.

In this example we are using Oracle10g as the database. So we need to know following information for the oracle database:

1.Driver class:

The driver class for the oracle database is oracle.jdbc.driver.OracleDriver.

2. Connection URL:

Connection URL: The connection URL for the oracle10G database is jdbc:oracle:thin:@localhost:1521:xe where jdbc is the API, oracle is the database, thin is the driver, localhost is the server name on which oracle is running, we may also use IP address, 1521 is the port number and XE is the Oracle service name.

3.Username:

The default username for the oracle database is system.

4. Password: It is the password given by the user at the time of installing the oracle database

3. Executing SQL queries in the database:

Once the connection was established, we have a Connection object, which can be used to create statements in order to execute

SQL queries

Example program to establish the connection

```
1. // java to Database connectivity
2. import java.sql.*;
3. public class Sample {
4. public static void main(String[] args) throws SQLException,
ClassNotFoundException
5. {
6. // 2. Load Driver-Thin Driver-Type-4
7. Class.forName("oracle.jdbc.driver.OracleDriver");
8.
9. // 3. Make the connection
10. // Create an object for connection
11. Connection con = DriverManager.getConnection("oracle
service id","IPC89","IPC89");
12. // 4. Create Object for Statement (Interface)
13. Statement sct = con.createStatement();
14. String sql = "insert into student(1,'abc')";
15. String sql1 = "select * from student";
16. // 5. execute queries-by statement object
17. sct.executeUpdate(sql);
18. System.out.println("Success");
19. ResultSet rs = sct.executeQuery(sql1);
20. while(rs.next()) {
21. System.out.println(rs.getInt(1) + " "+rs.getString(2));
22. }
23. }
24.
25. }
26.
```

4 .Viewing & Modifying the resulting records:

Example program to view the data

```
1. import java.util.Scanner;
2. import java.sql.*;
3. class Retrieve_user_information_1
4. {
5. public static void main(String args[])
6. {
7. try{
8. Class.forName("oracle.jdbc.driver.OracleDriver");
9. Connection con=DriverManager.getConnection
10. ("jdbc:oracle:thin:@localhost:1521:xe","system","2569");
11. Scanner s=new Scanner(System.in);
12. System.out.println("enter the student roll number");
13. int id=s.nextInt();
14. Statement sct=con.createStatement();
15. String sql="select * from student_detail";
16. ResultSet rs=sct.executeQuery(sql);
17. boolean result=false;
18. while(rs.next())
19. {
20. //verify input with student rollno
21. //since roll no is present in 2nd index position of the
   "student_detail" table
22.
23. if(id==rs.getInt(2))
24. {
25. System.out.println("you are valid user");
26. System.out.println("Hello "+rs.getString(1));
27. result=true;
28. break;
29. }
30.
```

```
31. }//while loop closing
32.
33. if(result==false)
34. System.out.println("Invalid user");
35.
36. }//try block closing
37.
38. catch(Exception e)
39. {
40. System.out.println(e);
41. }
42. }
43.
```

SYSTEM DESIGN:

1.DATA BASE DESIGN

TABLES :-

CONTACT :-

```
create table contactus(email varchar(30)
references userdata,email varchar(30)
references hirerdata);
```

USER :-

```
create table userdata(fname
varchar(20),email varchar(30) primary
key,lname varchar(30),phno int unique,pass
varchar(20),age int,cpass
varchar(20),gender varchar(10),dob date);
```

HIRER :-

```
create table hirerdata(fname
varchar(20),email varchar(30) primary
key,lname varchar(30),phno int unique,pass
varchar(20),age int,cpass
varchar(20),gender varchar(10),dob date);
```

USER :-

SQL> desc userdata;

Name	Null?	Type

FNAME		VARCHAR2(200)
LNAME		VARCHAR2(200)
GENDER		VARCHAR2(200)
AGE		VARCHAR2(200)
PASSWORD		VARCHAR2(200)
EMAIL		VARCHAR2(200)
DT		VARCHAR2(200)
NUM		VARCHAR2(200)

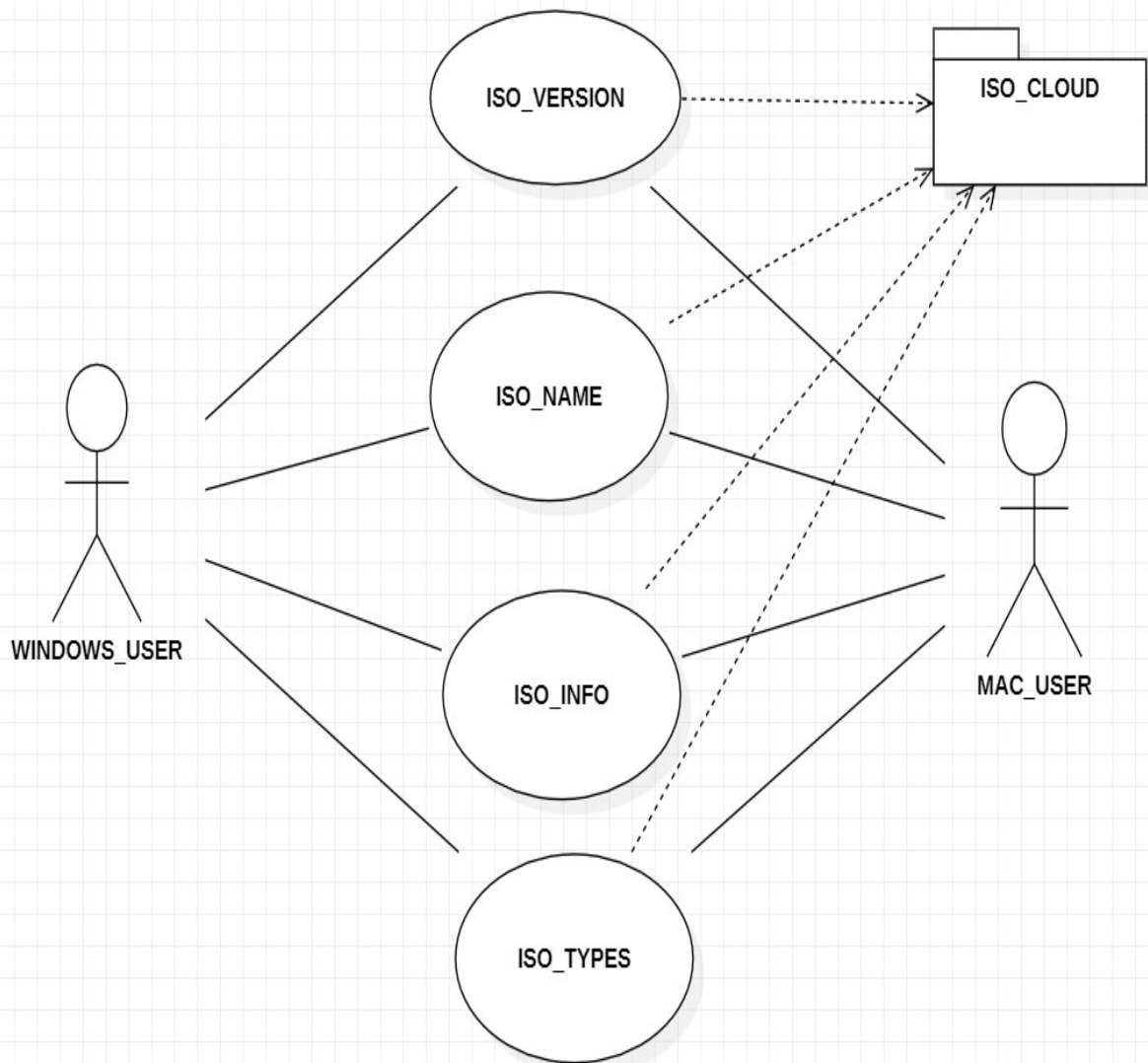
HIRER :-

SQL> desc userdata;

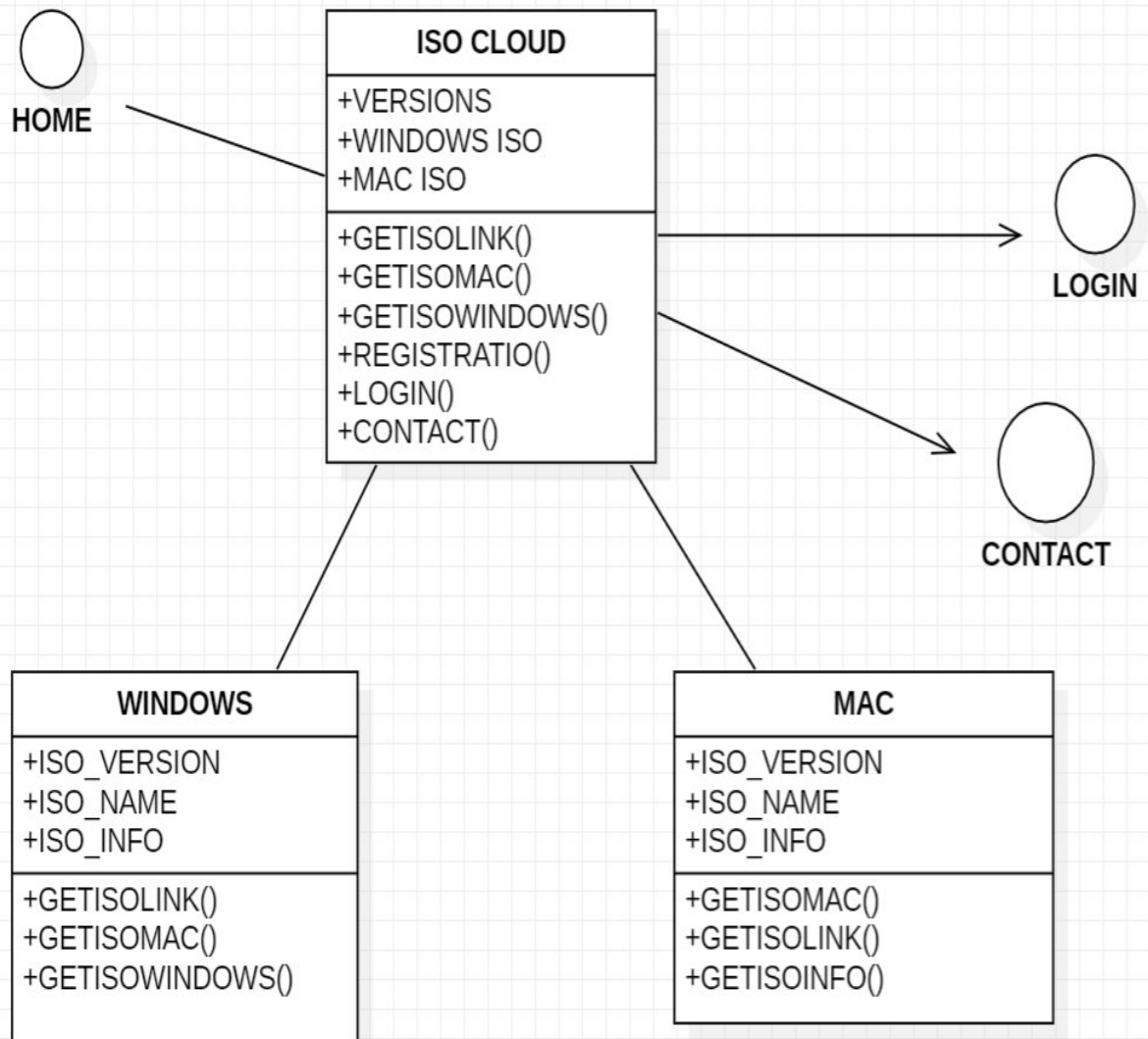
Name	Null?	Type

FNAME		VARCHAR2(200)
LNAME		VARCHAR2(200)
GENDER		VARCHAR2(200)
AGE		VARCHAR2(200)
PASSWORD		VARCHAR2(200)
EMAIL		VARCHAR2(200)
DT		VARCHAR2(200)
NUM		VARCHAR2(200)

USE CASE DIAGRAMS :-



CLASS DIAGRAMS :-



IMPLEMENTATION: FRONT END IMPLEMENTATION CODES

1.HOME PAGE CODE:

```
<!DOCTYPE html>
<html style="font-size: 16px;">
  <head>
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <meta charset="utf-8">
    <meta name="keywords" content="Coming Soon">
    <meta name="description" content="">
    <title>Home</title>
    <link rel="stylesheet" href="nicepage.css" media="screen">
<link rel="stylesheet" href="Home.css" media="screen">
    <script class="u-script" type="text/javascript" src="jquery.js"
defer=""></script>
    <script class="u-script" type="text/javascript" src="nicepage.js"
defer=""></script>
    <meta name="generator" content="Nicepage 4.12.5,
nicepage.com">
    <link id="u-theme-google-font" rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Roboto:100,100i,30
0,300i,400,400i,500,500i,700,700i,900,900i|Open+Sans:300,300i,4
00,400i,500,500i,600,600i,700,700i,800,800i">

    <script type="application/ld+json">{
      "@context": "http://schema.org",
      "@type": "Organization",
      "name": "",
      "logo": "images/864010509-01.png"
    }</script>
    <meta name="theme-color" content="#478ac9">
    <meta property="og:title" content="Home">
```

```

    <meta property="og:type" content="website">
  </head>
  <body data-home-page="Home.html" data-home-page-
title="Home" class="u-body u-xl-mode"><header class="u-clearfix
u-header u-header" id="sec-969f"><div class="u-clearfix u-sheet u-
sheet-1">
    <a href="http://localhost:8081/home/webpage.html" data-
page-id="864010509" class="u-image u-logo u-image-1" data-
image-width="1000" data-image-height="1000" title="Home">
    
    </a>
    <h3 class="u-headline u-text u-text-default u-text-grey-90 u-
text-1">
    <a href="http://localhost:8081/home/webpage.html"><span
class="u-icon"></span>&nbsp;<b><i>ISO CLOUD</i></b>&nbsp;</a>
    </h3>
    <nav class="u-menu u-menu-dropdown u-offcanvas u-menu-
1">
    <div class="menu-collapse" style="font-size: 1rem; letter-
spacing: 0px;">
    <a class="u-button-style u-custom-left-right-menu-spacing
u-custom-padding-bottom u-custom-top-bottom-menu-spacing u-
nav-link u-text-active-palette-1-base u-text-hover-palette-2-base"
href="#">
    <svg class="u-svg-link" viewBox="0 0 24 24"><use
xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="#menu-
hamburger"></use></svg>
    <svg class="u-svg-content" version="1.1" id="menu-
hamburger" viewBox="0 0 16 16" x="0px" y="0px"
xmlns:xlink="http://www.w3.org/1999/xlink"
xmlns="http://www.w3.org/2000/svg"><g><rect y="1" width="16"
height="2"></rect><rect y="7" width="16" height="2"></rect><rect
y="13" width="16" height="2"></rect>

```

```

</g></svg>
    </a>
  </div>
  <div class="u-custom-menu u-nav-container">
    <ul class="u-nav u-unstyled u-nav-1"><li class="u-nav-
item"><a class="u-button-style u-nav-link u-text-active-palette-1-
base u-text-hover-palette-2-base"
href="http://localhost:8081/home/webpage.html" style="padding:
10px 20px;">Home</a>
</li><li class="u-nav-item"><a class="u-button-style u-nav-link u-
text-active-palette-1-base u-text-hover-palette-2-base"
href="http://localhost:8081/home/login/login.html" style="padding:
10px 20px;">LOGIN</a>
</li><li class="u-nav-item"><a class="u-button-style u-nav-link u-
text-active-palette-1-base u-text-hover-palette-2-base"
href="http://localhost:8081/home/about/aboutform.html"
style="padding: 10px 20px;">About</a>
</li><li class="u-nav-item"><a class="u-button-style u-nav-link u-
text-active-palette-1-base u-text-hover-palette-2-base"
href="http://localhost:8081/home/contact/contactform.html"
style="padding: 10px 20px;">Contact</a>
</li></ul>
  </div>
  <div class="u-custom-menu u-nav-container-collapse">
    <div class="u-black u-container-style u-inner-container-
layout u-opacity u-opacity-95 u-sidenav">
      <div class="u-inner-container-layout u-sidenav-overflow">
        <div class="u-menu-close"></div>
        <ul class="u-align-center u-nav u-popupmenu-items u-
unstyled u-nav-2"><li class="u-nav-item"><a class="u-button-style
u-nav-link"
href="http://localhost:8081/home/webpage.html">Home</a>
</li><li class="u-nav-item"><a class="u-button-style u-nav-link"
href="http://localhost:8081/home/about/aboutform.html">About</a>

```

```

</li><li class="u-nav-item"><a class="u-button-style u-nav-link"
href="http://localhost:8081/home/contact/contactform.html"> Contac
t</a>
</li></ul>
    </div>
</div>
    <div class="u-black u-menu-overlay u-opacity u-opacity-
70"></div>
</div>
</nav>
</div></header>
<section class="u-clearfix u-section-1" id="sec-5aa8">
    <div class="u-clearfix u-sheet u-sheet-1">
        <div class="u-clearfix u-gutter-16 u-layout-wrap u-layout-
wrap-1">
            <div class="u-layout">
                <div class="u-layout-col">
                    <div class="u-size-30">
                        <div class="u-layout-row">
                            <div class="u-container-style u-image u-layout-cell u-
left-cell u-size-30 u-image-1" src="" data-image-width="1280" data-
image-height="853">
                                <div class="u-container-layout u-valign-middle u-
container-layout-1"></div>
                            </div>
                            <div class="u-align-left u-container-style u-layout-cell u-
right-cell u-size-30 u-layout-cell-2">
                                <div class="u-container-layout u-valign-middle u-
container-layout-2">
                                    <h2 class="u-text u-text-1">WINDOWS</h2>
                                    <a href="http://localhost:8081/home/win/win.html"
class="u-btn u-btn-rectangle u-button-style u-file-link u-palette-1-
base u-btn-1" target="E:\FD\win.html">WINDOWS</a>
                                </div>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>


```

```
</div>
</div>
<div class="u-size-30">
  <div class="u-layout-row">
    <div class="u-align-left u-container-style u-layout-cell u-
left-cell u-size-30 u-layout-cell-3">
      <div class="u-container-layout u-valign-middle u-
container-layout-2">
        <h2 class="u-text u-text-1">MAC OS&nbsp;</h2>
        <a href="http://localhost:8081/home/mac/mac.html"
class="u-btn u-btn-rectangle u-button-style u-file-link u-palette-1-
base u-btn-1" target="E:\FD\win.html">MAC OS</a>
      </div>
    </div>
    <div class="u-container-style u-image u-layout-cell u-
right-cell u-size-30 u-image-2" src="" data-image-width="150" data-
image-height="99">
      <div class="u-container-layout u-valign-middle u-
container-layout-4"></div>
    </div>
  </div>
</div>
</div>
</div>
</div>
</div>
</div>
</section>
```

```

<footer class="u-align-center u-clearfix u-footer u-grey-80 u-
footer" id="sec-a86c"><div class="u-align-left u-clearfix u-sheet u-
sheet-1"></div></footer>
<section class="u-backlink u-clearfix u-grey-80">
  <p class="u-text">
    <span><h1><b><i>----- SAGAR CREATIONS ---
-----</i></b></h1></span>
  </p>
</section>
</body>
</html>

```

**For more information about all my codes
visit GitHub 
(github.com/kotasagar/FD)**

BACKEND IMPLEMENTATION CODES:

1.REGISTER PAGE BACKEND CODE

> register.jsp

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

```
        <%  
            String  
fname=request.getParameter("fname");  
            String  
email=request.getParameter("email");  
            String  
lname=request.getParameter("lname");  
            String  
num=request.getParameter("number");  
            String  
password=request.getParameter("password  
");  
            String  
gender=request.getParameter("gender");  
            String  
age=request.getParameter("age");  
            String dt=request.getParameter("dt");
```

```
try  
{
```

```
Class.forName("oracle.jdbc.driver.OracleDriver");
```

```
Connection con =  
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","0000");
```

```
String qry ="insert into userdetails  
values(?,?,?,?,?,?,?,?)";
```

```
PreparedStatement pstmt =  
con.prepareStatement(qry);
```

```
pstmt.setString(1,fname);
```

```
pstmt.setString(6,email);
```

```
pstmt.setString(2,lname);
```

```
pstmt.setString(8,num);
```

```
pstmt.setString(5,password);
```

```
pstmt.setString(3,gender);
```

```
pstmt.setString(4,age);
```

```
pstmt.setString(7,dt);
```

```
int r= pstmt.executeUpdate();
```



```
        out.println(r + " user registered  
sucessfully :)");
```

```
        response.sendRedirect("http://localhost:8  
081/home/login/login.html");
```

```
%>
```

```
<br><br><br>
```

```
<a href="">*** CLICK HERE TO DISPLAY  
REGISTRATION DETAILS ***</a>
```

```
<%
```

```
    }
```

```
    catch(Exception e)
```

```
    {
```

```
        out.print(e);
```

```
    }
```

```
%>
```

login.jsp

```
<%@ page import="java.sql.*"%>
<%@ page
import="javax.servlet.http.*,java.lang.*"%>
<%
    String
username=request.getParameter("username");
    String
password=request.getParameter("password");

    try{
        Statement statement = null;
        ResultSet resultSet = null;

        Class.forName("oracle.jdbc.driver.OracleDriver");
        Connection con =
        DriverManager.getConnection("jdbc:oracle:thin:@loc
alhost:1521:xe","system","0000");
        statement = con.createStatement();
        String qry ="select email,password from userdetails
where email='"+username+"'";
        resultSet = statement.executeQuery(qry);
        String db_mail = "";
        String db_pwd = "";
        while(resultSet.next()){
```

```

        db_mail = resultSet.getString("email");
        db_pwd = resultSet.getString("password");
    }

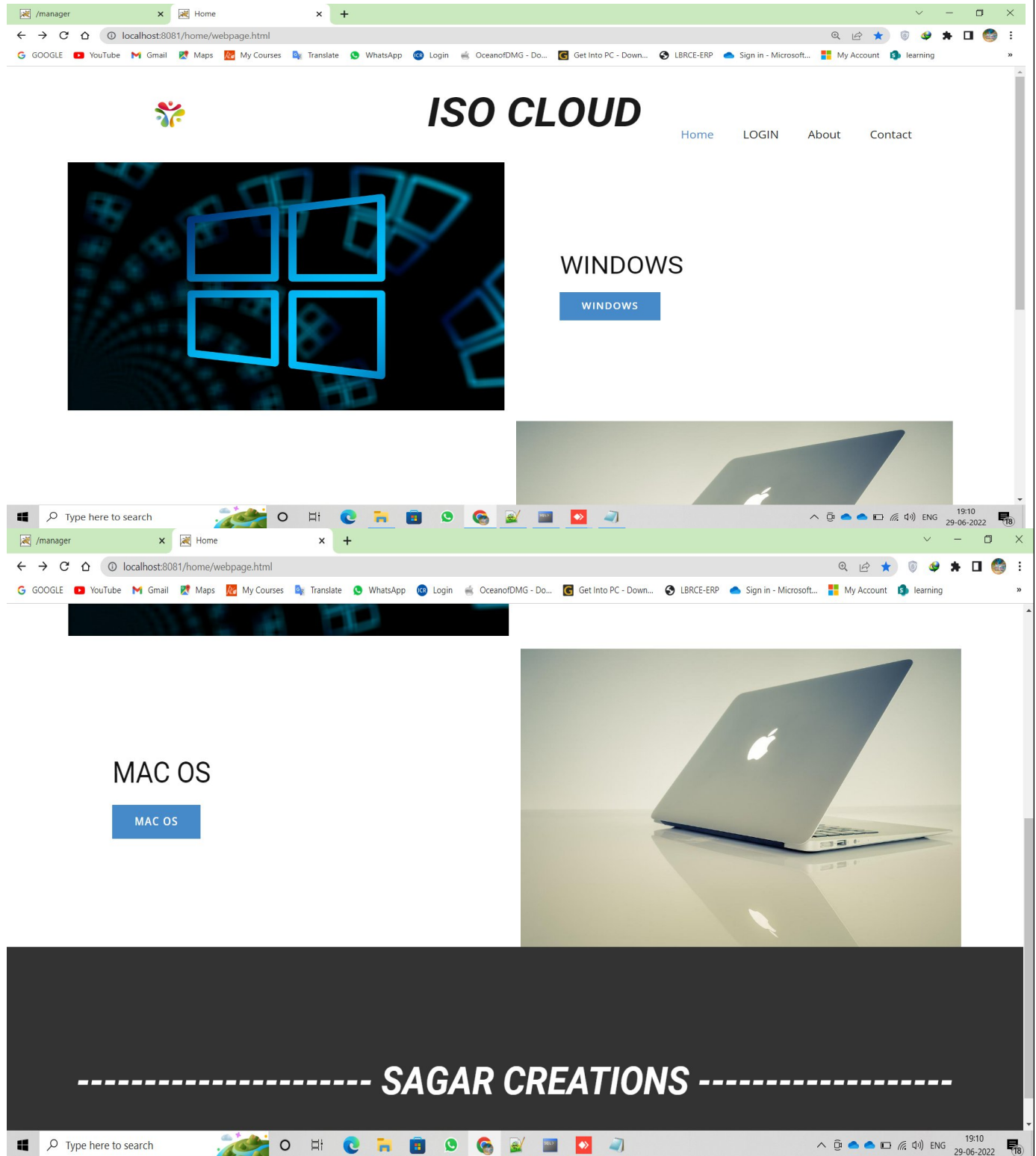
    if(username.equals(db_mail)&&password.equals(db_pwd)){

        response.sendRedirect("http://localhost:8081/home/success-login.jsp");
    }
    else{

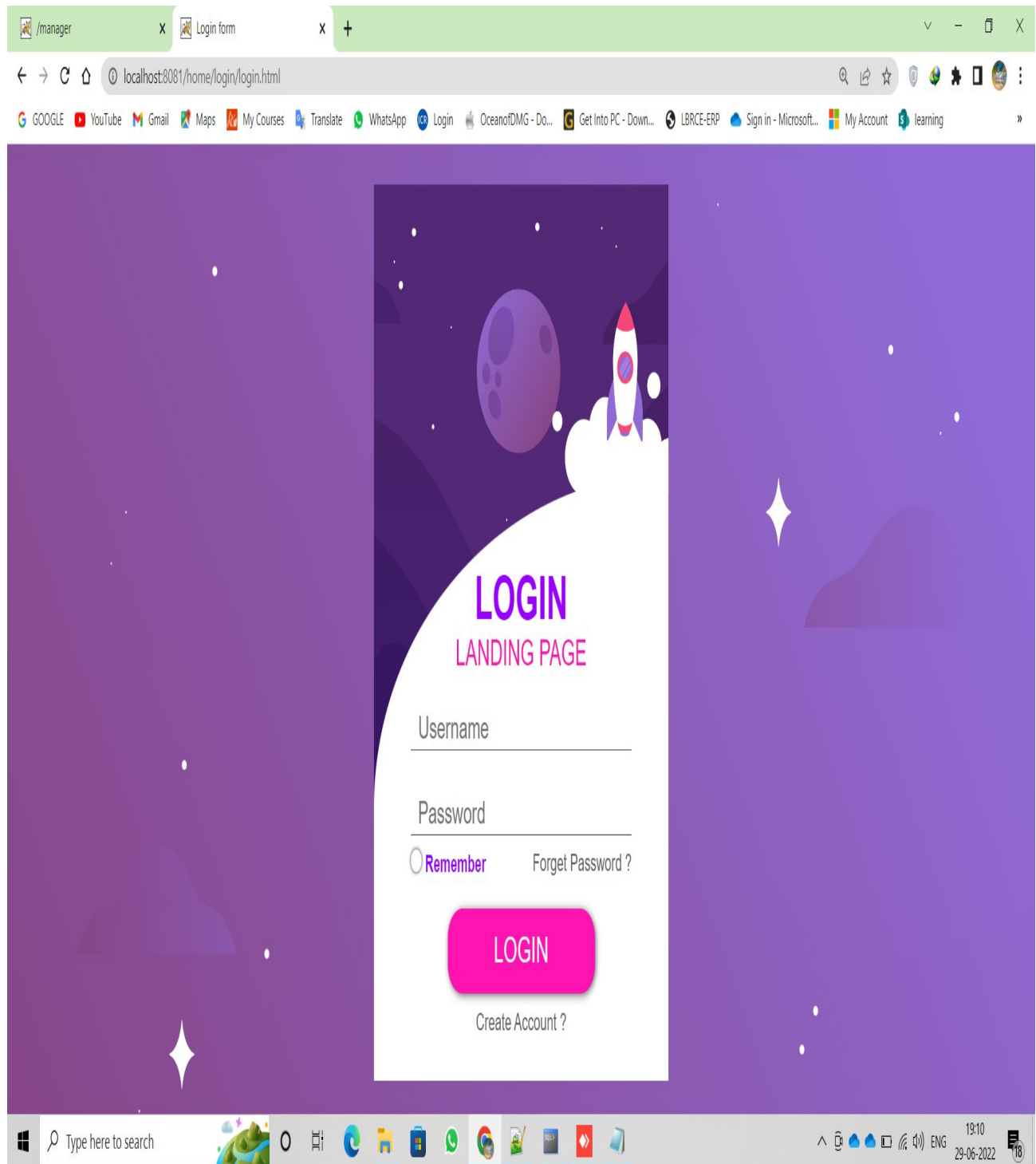
        response.sendRedirect("http://localhost:8081/home/Registration/dist/reg.html");
    }
}
catch(Exception e)
{
    out.println(e);
}
%>

```

PROJECT SCREEN SHOTS



DYNAMIC LOGIN PAGE :-



REGISTRATION FORM :-

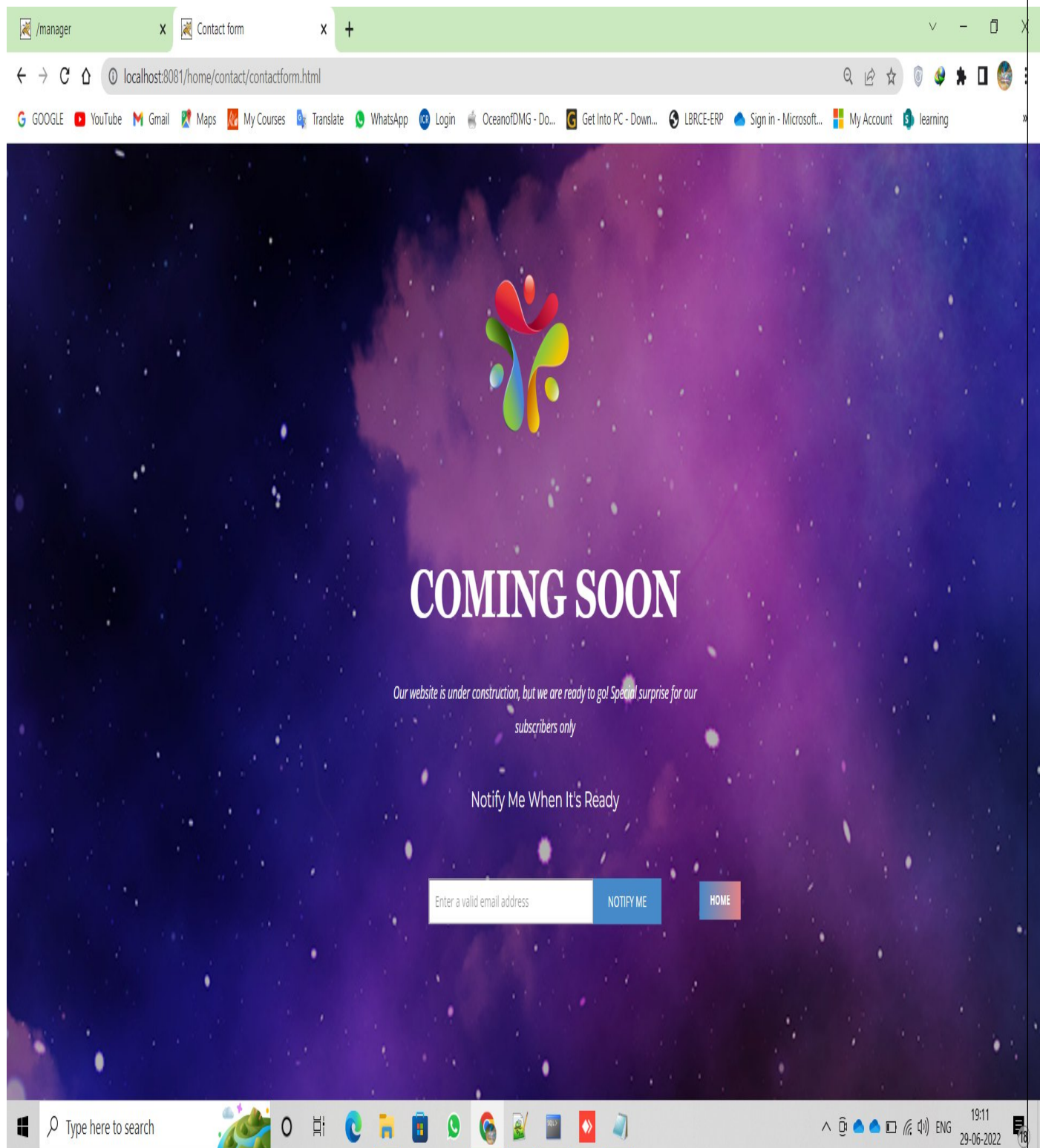
The screenshot displays a web browser window with two tabs: "/manager" and "Registration Form". The address bar shows the URL "localhost:8081/home/Registration/dist/reg.html". The browser's toolbar includes various icons for search, navigation, and extensions. Below the browser window, a Windows taskbar is visible, featuring a search bar, several application icons, and a system tray with the date and time (19:10, 29-06-2022).

The registration form is titled "Apply as a USER" and is set against a blue gradient background. It includes a "Welcome" message and a "Login" button on the left. On the right, there are two tabs: "USER" (selected) and "Hirer". The form contains the following fields:

- First Name *
- Last Name *
- Password *
- Confirm Password *
- Your Email *
- Your Phone *
- Your age *
- dd-mm-yyyy (date picker)
- ☐ Male ☐ Female

A "Register" button is located at the bottom right of the form.

CONTACT FORM :-



CONCLUSION

The main aim of this web application is to make the customers educate they can also try. This can be making them save their time, money and get free installation media to the Software Developers .

REFERENCE:

The webpage was developed by using so many networking sites and OS installing media in this web page

1. W3 SCHOOLS :

<https://www.w3schools.com/html/default.asp>

2. CODINGNEPAL:

 <https://www.codingnepalweb.com/category/html-and-css/>

3. CODEPEN:

<https://codepen.io/pen/tour/welcome/start>

4. STACK OVERFLOW:

<https://stackoverflow.com>

5. JAVATPOINT:

<https://www.javatpoint.com>