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| UNIVERSITY OF MISSOURI KANSAS CITY |
| e-Education |
| FIRST INCREMENT REPORT |
| **Venkata vamsi siva krishna vura**  **Sandeep Keshetti**  **Venkatesh Kadiyala** |
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| **10/4/2013** |

**Introduction**

Computer-Based Trainings (CBTs) will be a good solution to printed learning materials since rich media, including images, videos, messages or animations, can easily be used to enhance the learning. Another advantage of computer based training is that they can be easily distributed to a large number of people at a relatively low cost once the initial development is completed. Typically the creation of good CBTs requires large number of resources.

**Functional Requirements**

**Working with Remote Instruments**

Through a browser interface, makes it possible for students around the world can use this application. This application build in web based 3-tier architecture. The data of the user can be stored in remote database.

**User**

Here user is end user of the application. He can use this application remotely that means from anywhere he can use this application. He can login into his own space after registration. He can learn the content with the help of audio. After he can check his performance by online tests.

**Non-functional Requirements**

The Online Learning system shall be multi-tier, web based solution (have web based front-end for users and for system administrative functions), with the centralized database.

The application will be architected and designed using the principles of Service Oriented Architecture (SOA) The System will be compatible with all leading web browsers especially with Microsoft Internet explorer and/or Mozilla Firefox etc.,

The learning system that is going to create is very simple it has so many drop box menus, scrolling tabs and selection buttons more than that it is also more useful to illiterate because they can easily use such type of tools.

**Technologically and Architectural requirements**

**Hardware Requirements**

* System : Intel core 2 Duo
* Hard Disk : 40 GB.
* Ram : 512 Mb.

**Software Requirements:**

* Operating system : Windows XP.
* Coding Language : JAVA
* Data Base : MySQL
* Server : Tomcat 6.0

**Source Code Used for backend mySQL database connection**

package databaseconnection;

import java.sql.\*;

public class databasecon

{

static Connection con;

public static Connection getconnection()

{

try

{

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

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

}

catch(Exception e)

{

System.out.println(" database error:"+e);

}

return con;

}

}

**Source code for login page**

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

<% String pass=null,uid=null;

String a = request.getParameter("uid");

String b= request.getParameter("pass");

String name=null,u=null;

try

{

Connection con1 = databasecon.getconnection();

Statement st1 = con1.createStatement();

String sss1 = "select \* from register where un='"+a+"' && pwd='"+b+"'";

ResultSet rs1=st1.executeQuery(sss1);

if(rs1.next())

{

u=rs1.getString("un");

name=rs1.getString("name");

session.setAttribute("name",name);

session.setAttribute("u",u);

response.sendRedirect("user\_home.jsp");

}

else

{

response.sendRedirect("index.jsp?message=fail");

}

}

catch(Exception e1)

{

out.println(e1.getMessage());

}

**Source code for register page**

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

<%! String name, lname, addr, city, state, zip, tele, email, un, pwd;

int i=0;

%>

<%

try{

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

Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/online","root","root");

Statement st=con.createStatement();

ResultSet rs=st.executeQuery("select max(id) from register");

if(rs.next())

{

i=rs.getInt(1);

++i;

}

}

catch(Exception e){

System.out.println("Exception Occured");}

name=request.getParameter("name");

lname=request.getParameter("lname");

addr=request.getParameter("addr");

city=request.getParameter("city");

state=request.getParameter("state");

zip=request.getParameter("zip");

tele=request.getParameter("tele");

email=request.getParameter("email");

pwd=request.getParameter("pwd");

System.out.println(pwd);

%>

<%

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

Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/online","root","root");

Statement st=con.createStatement();

un="user110"+i;

int q= st.executeUpdate("insert into register values('"+i+"','"+name+"','"+lname+"','"+addr+"','"+city+"','"+state+"','"+zip+"','"+tele+"','"+email+"', '"+un+"', '"+pwd+"')");

if(q>0)

{

response.sendRedirect("register.jsp?id="+un+"");

//response.sendRedirect("register.jsp?message=succ");

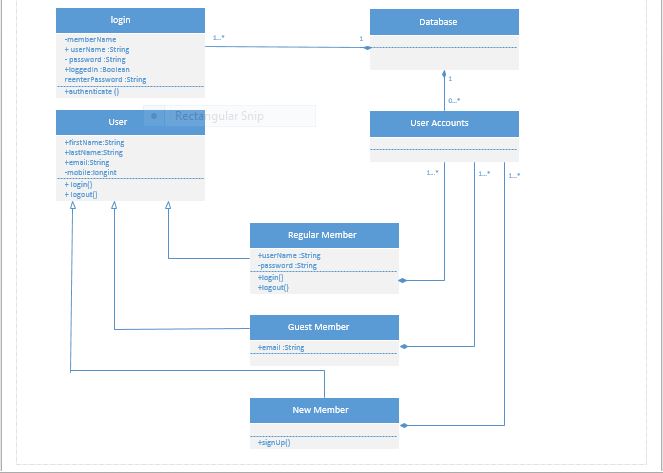
}

else

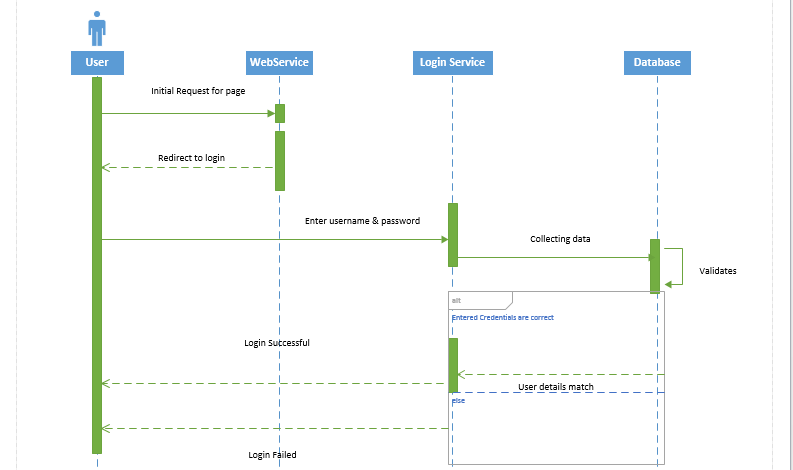
response.sendRedirect("register.jsp?message=fail");

%>

**Class Diagram for LOGIN page**

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**Sequence Diagram for LOGIN Page**

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**SERVICE DESCRIPTION:**

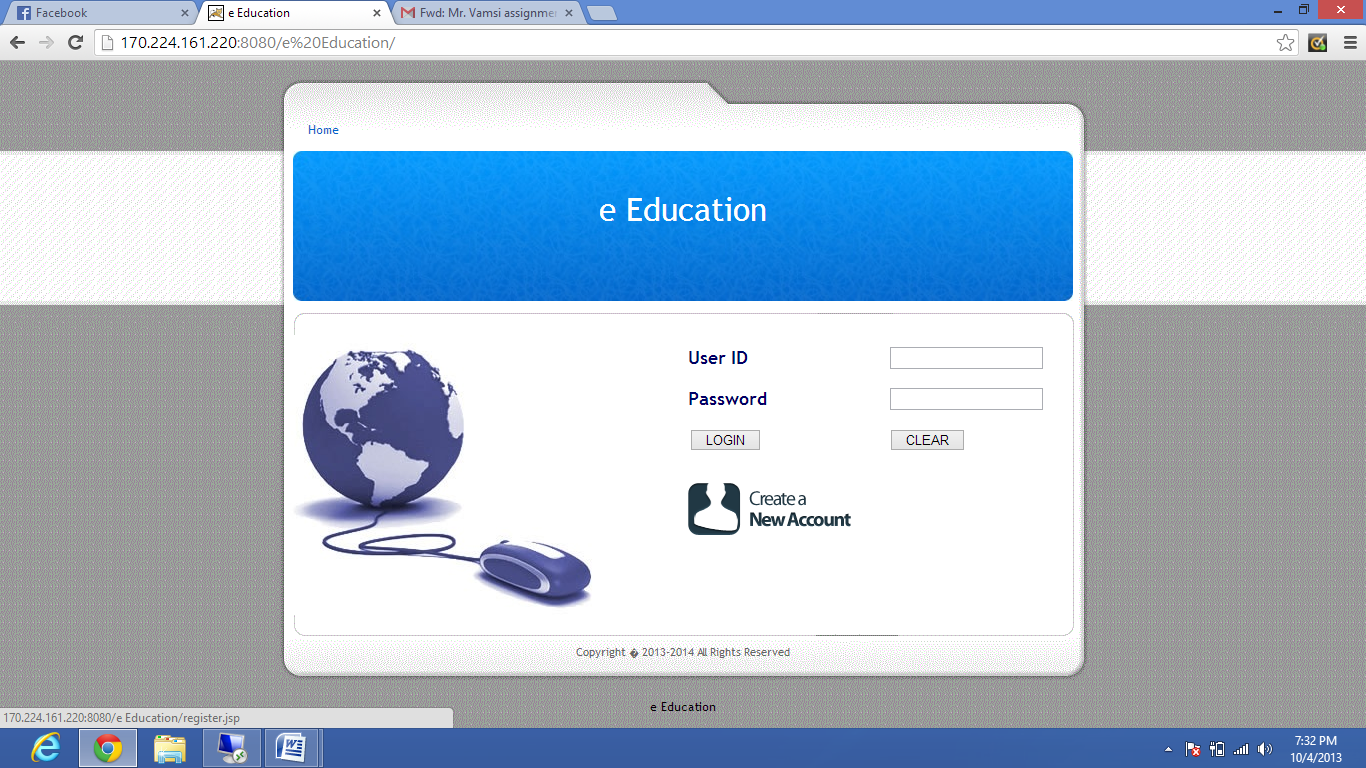
Computer based tests presents an innovative idea in the field of learning and provides a great way to gaining the knowledge. By using the online services by the wide range of electronic learning solutions such as Web-based courseware, online alphabets learning, and online words speaking using audio and visually. Illiteracy people easily learn the how to read and writes. It is helps to decrease the illiteracy.

The manual system is costly and time consuming. Information is not available in methodical manner. Sometimes system doesn’t provide the updated information. It generates more hassle for the learner. Searching for the desired content is quite complex. Information is in distorted manner. Higher degree distortion creates confusion in mind.

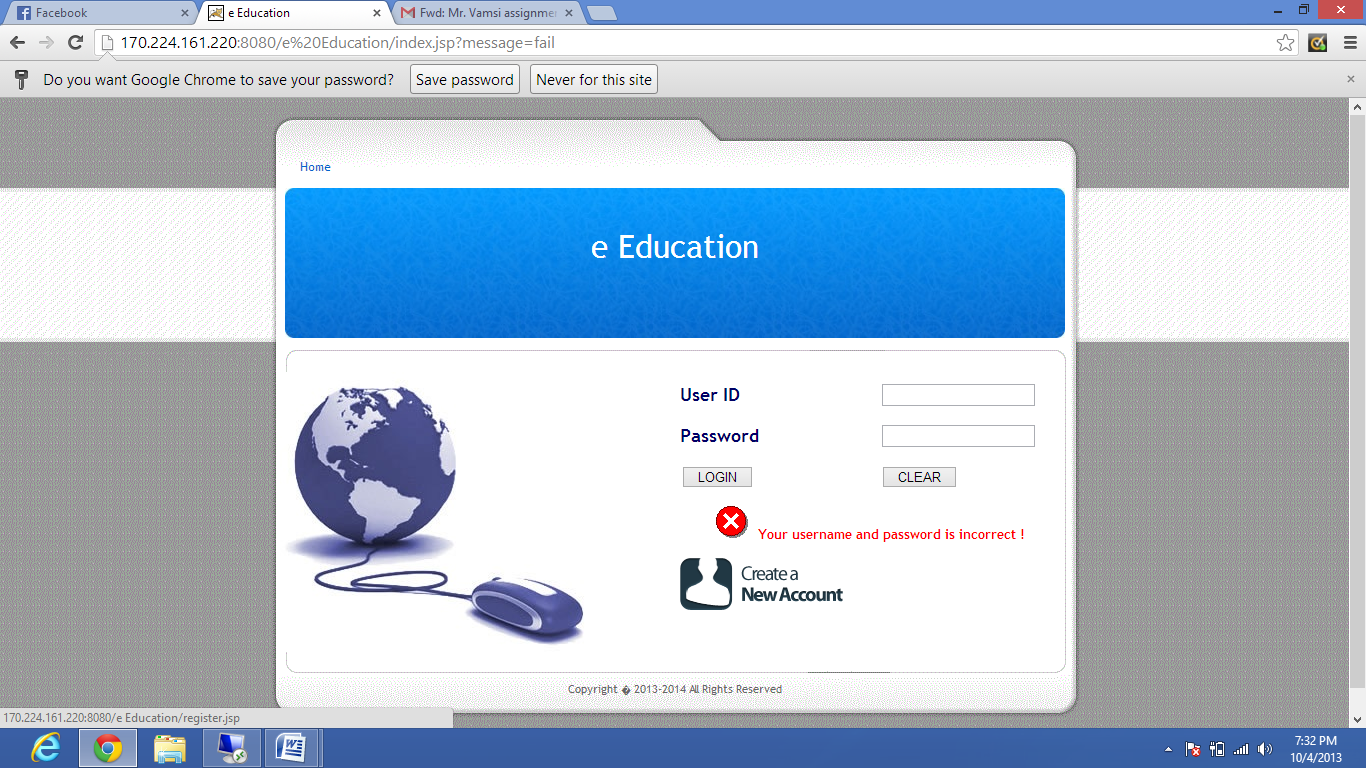
**Implementation**

We installed mySQL database server and tomcat 6.0. The source code is written in java language.

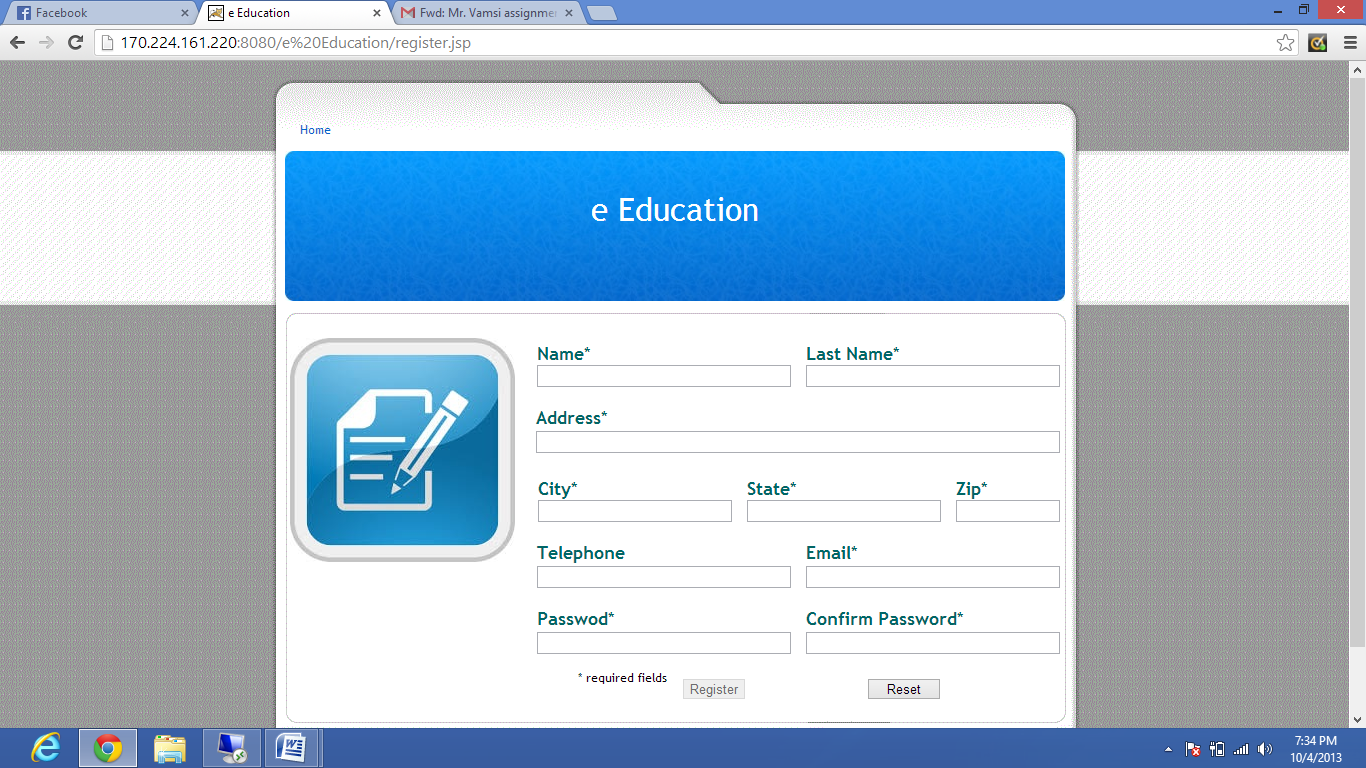
**LOGIN PAGE:**



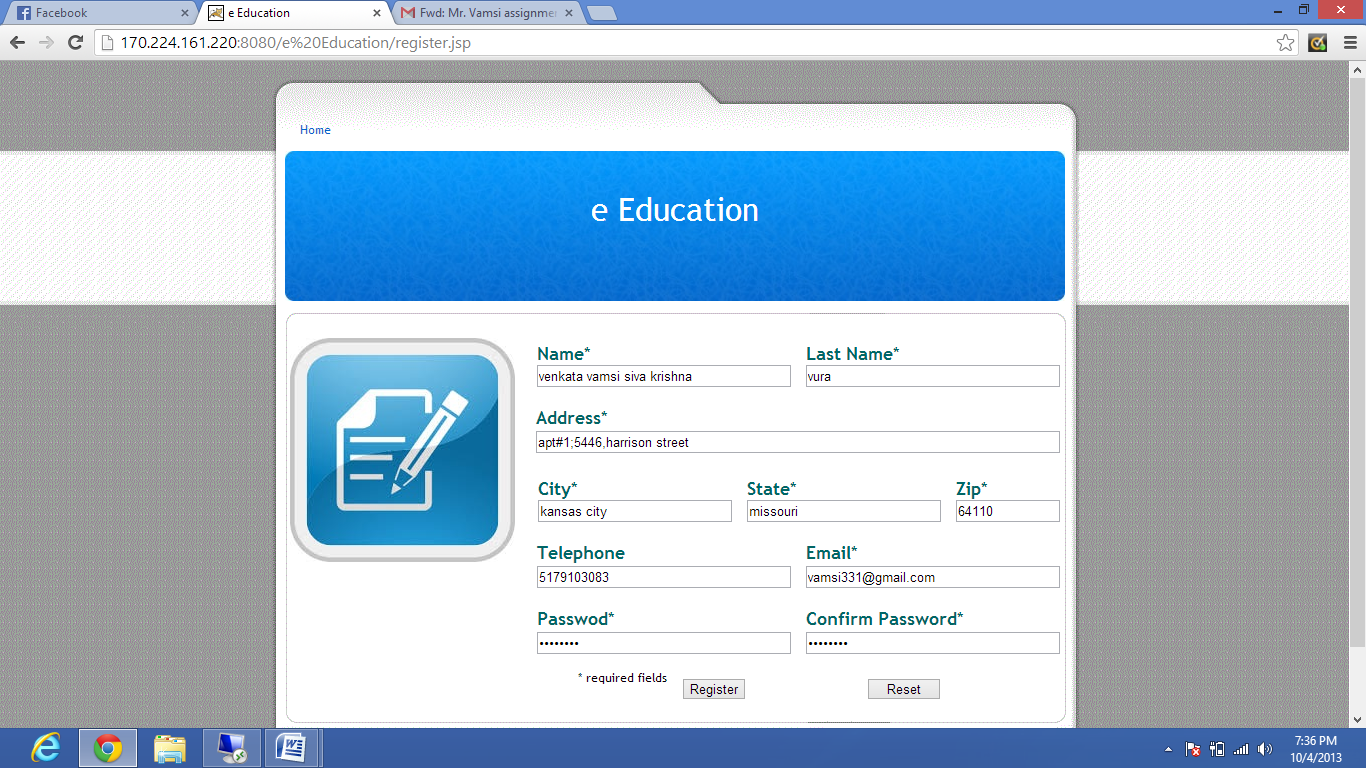
With invalid username and password:



**Creating the new account:**

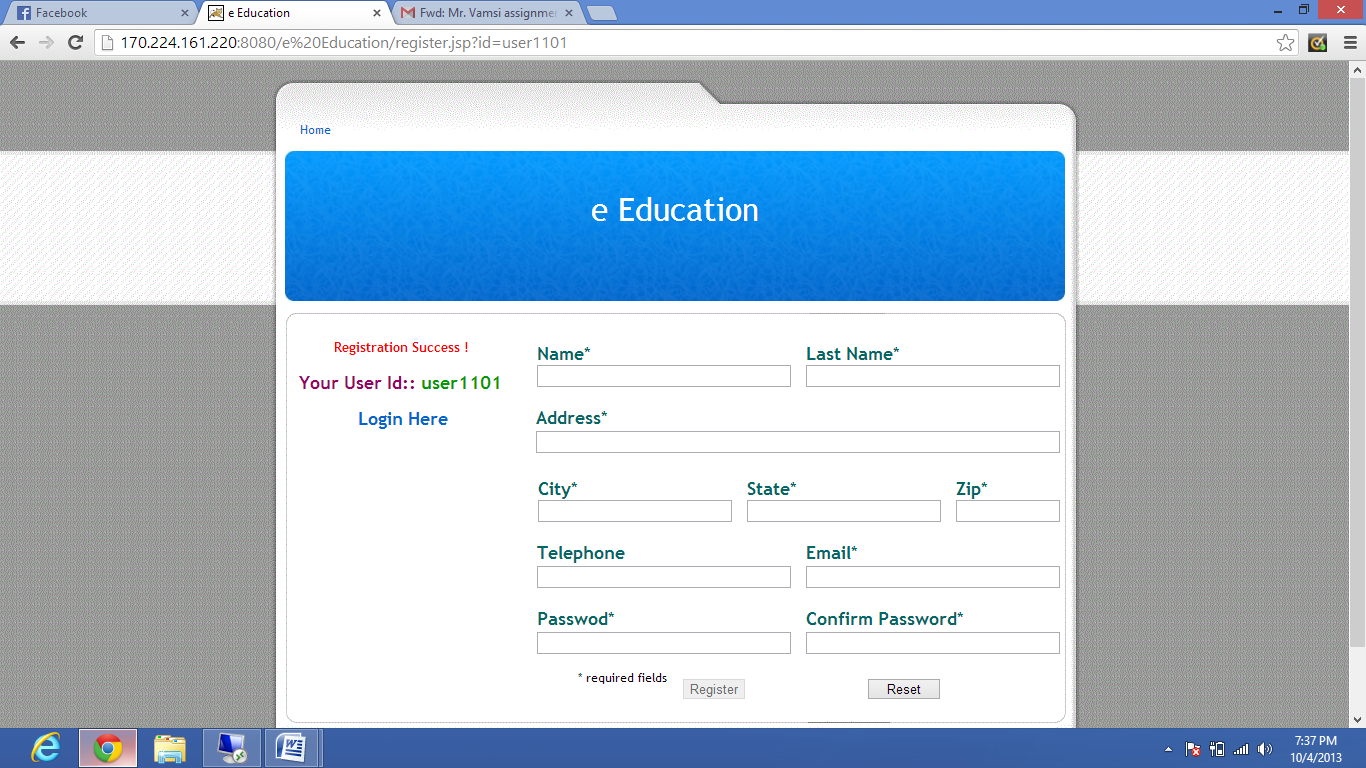


After the entering the details for registration:

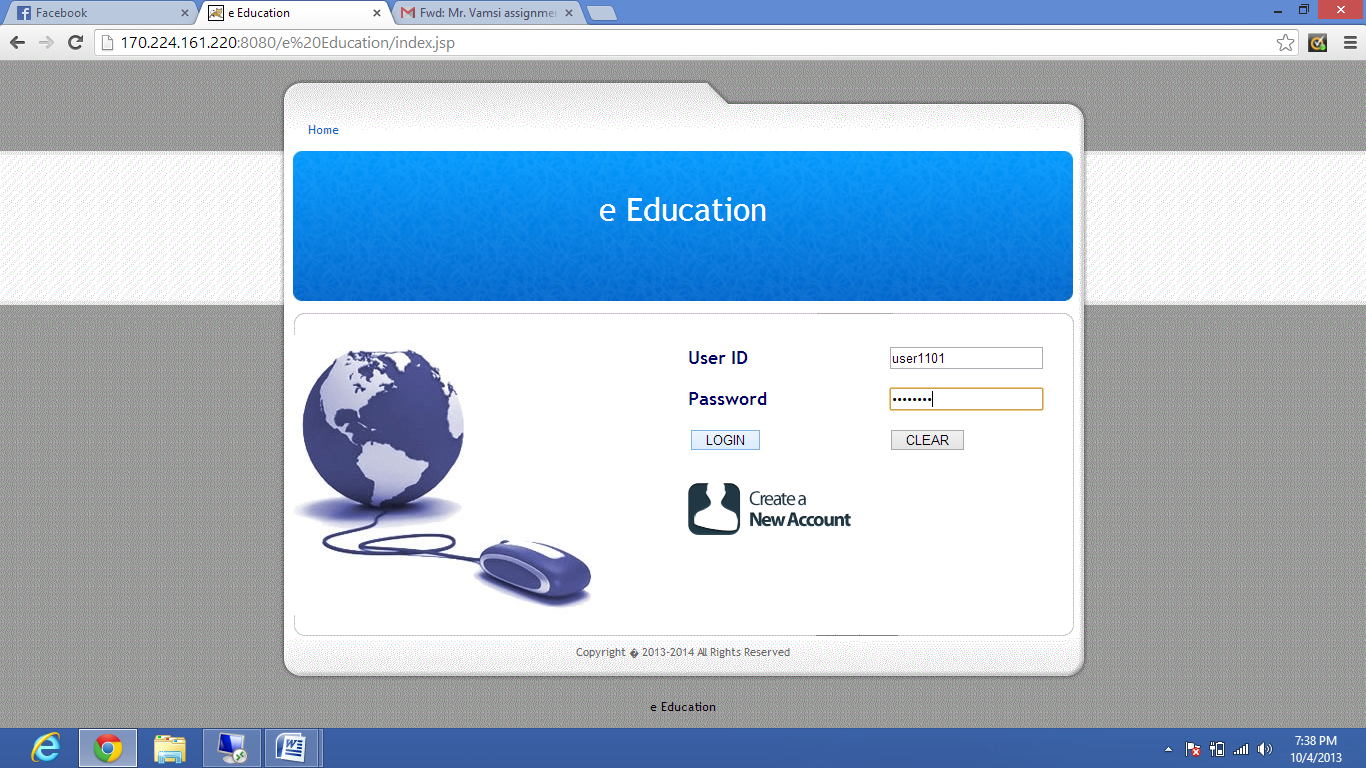


Register is success:

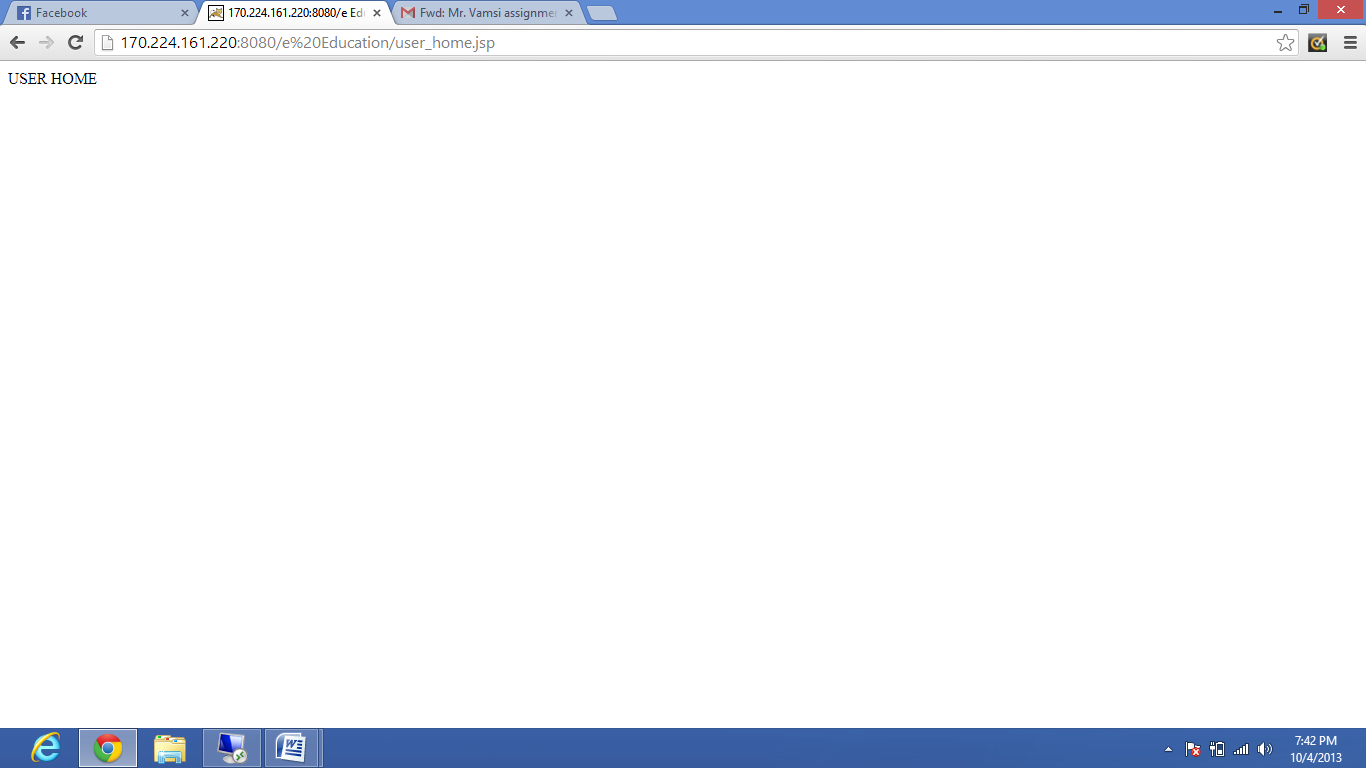
user ID is : user1101



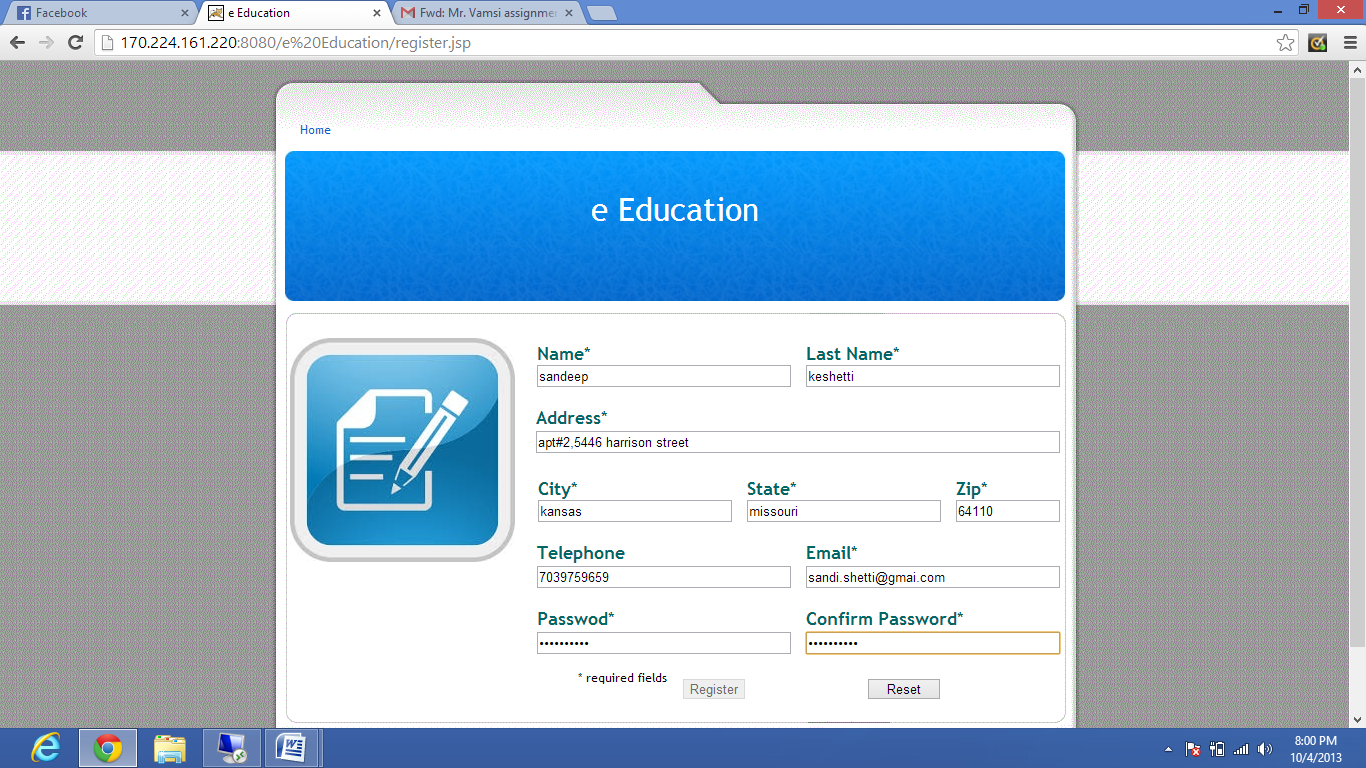
After registration login with user1101:



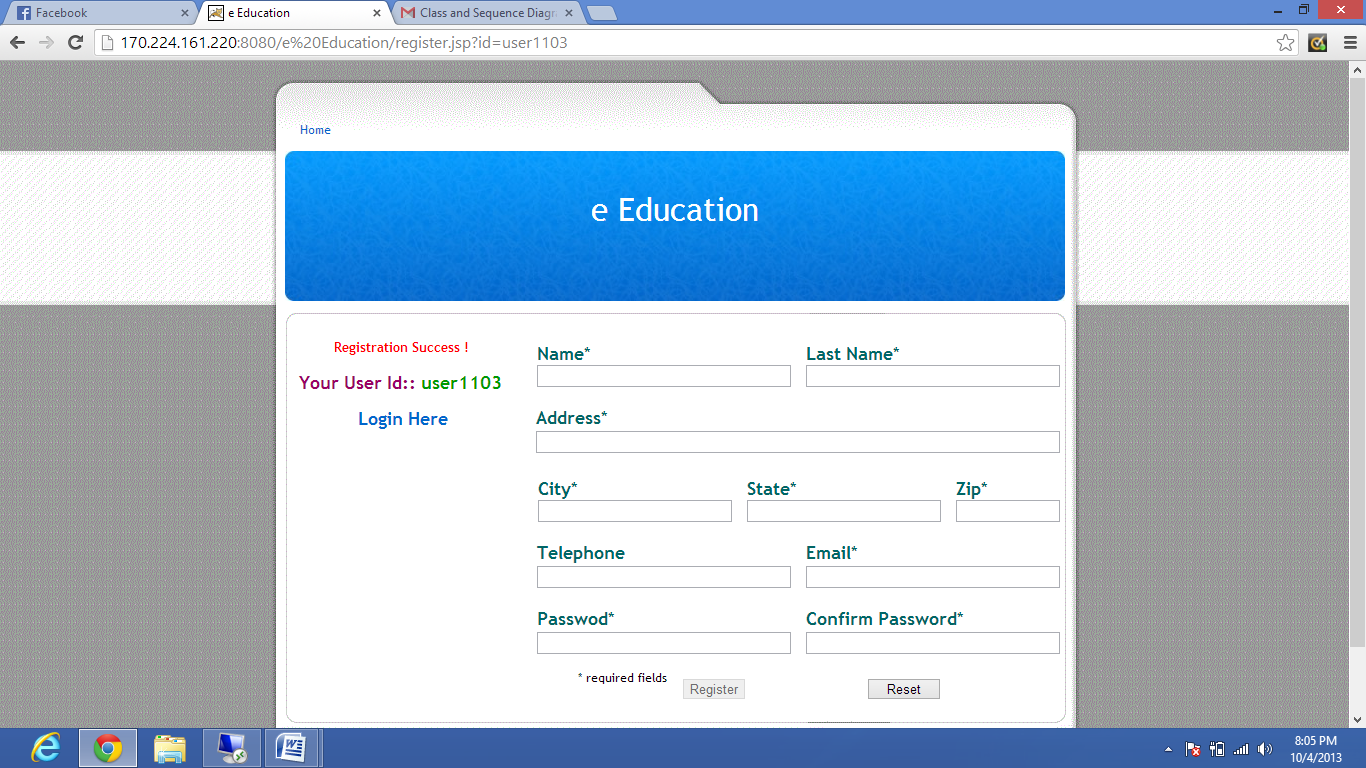
After login using user1101 the home page is:



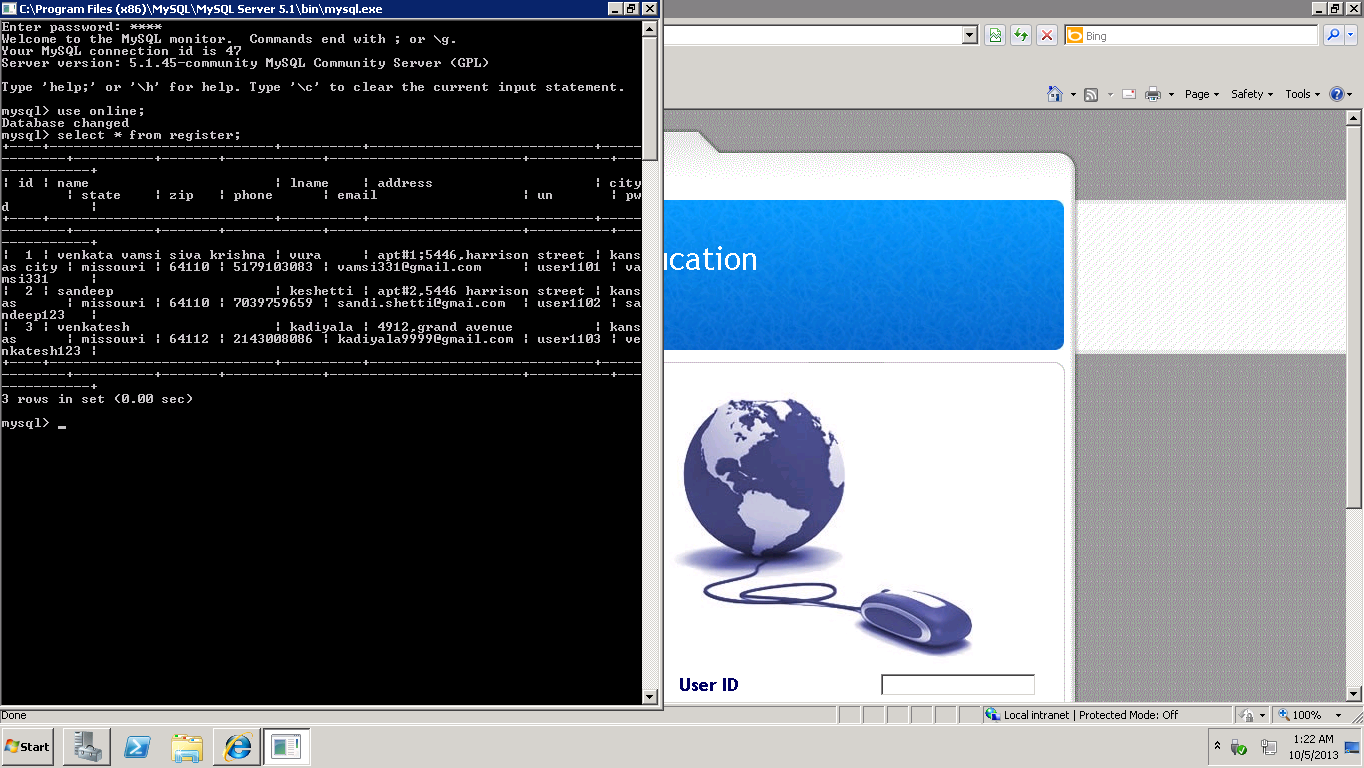
Another user:



Successful another user registration:

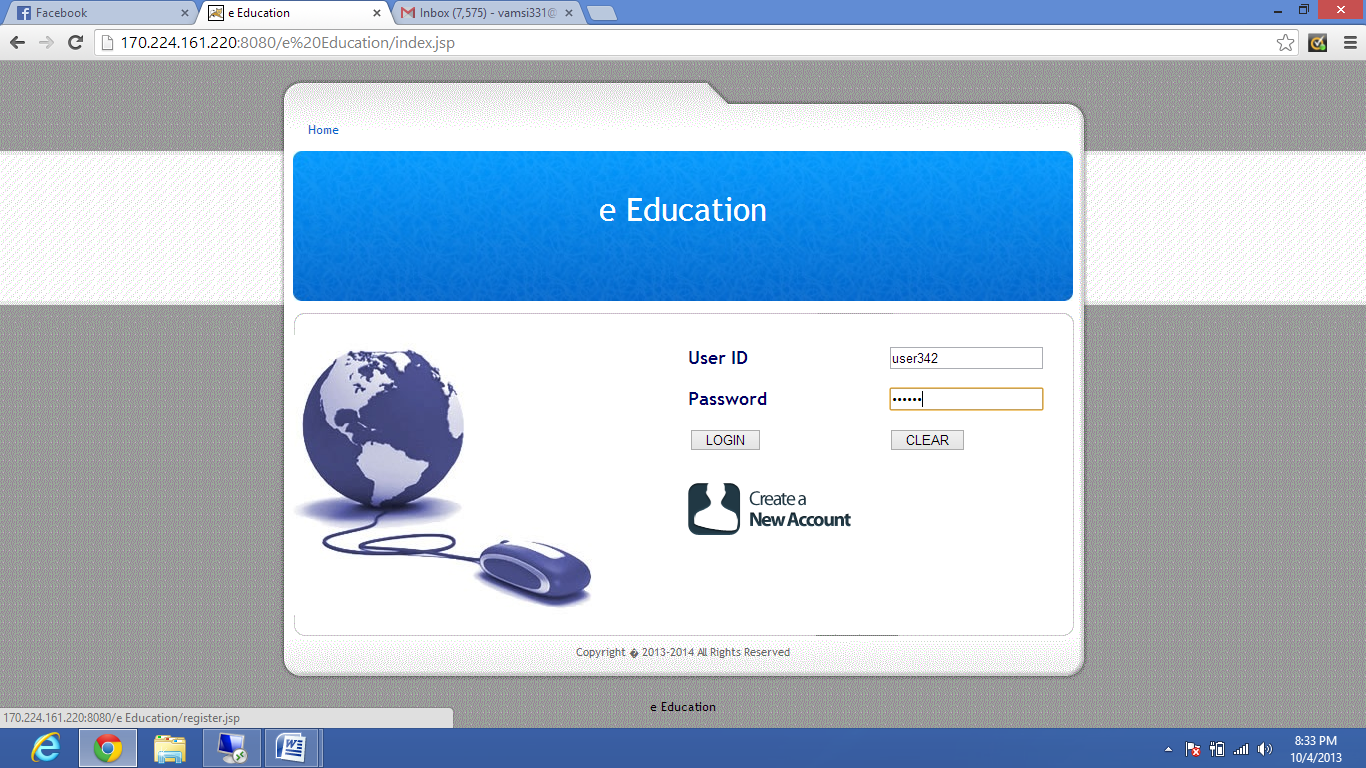


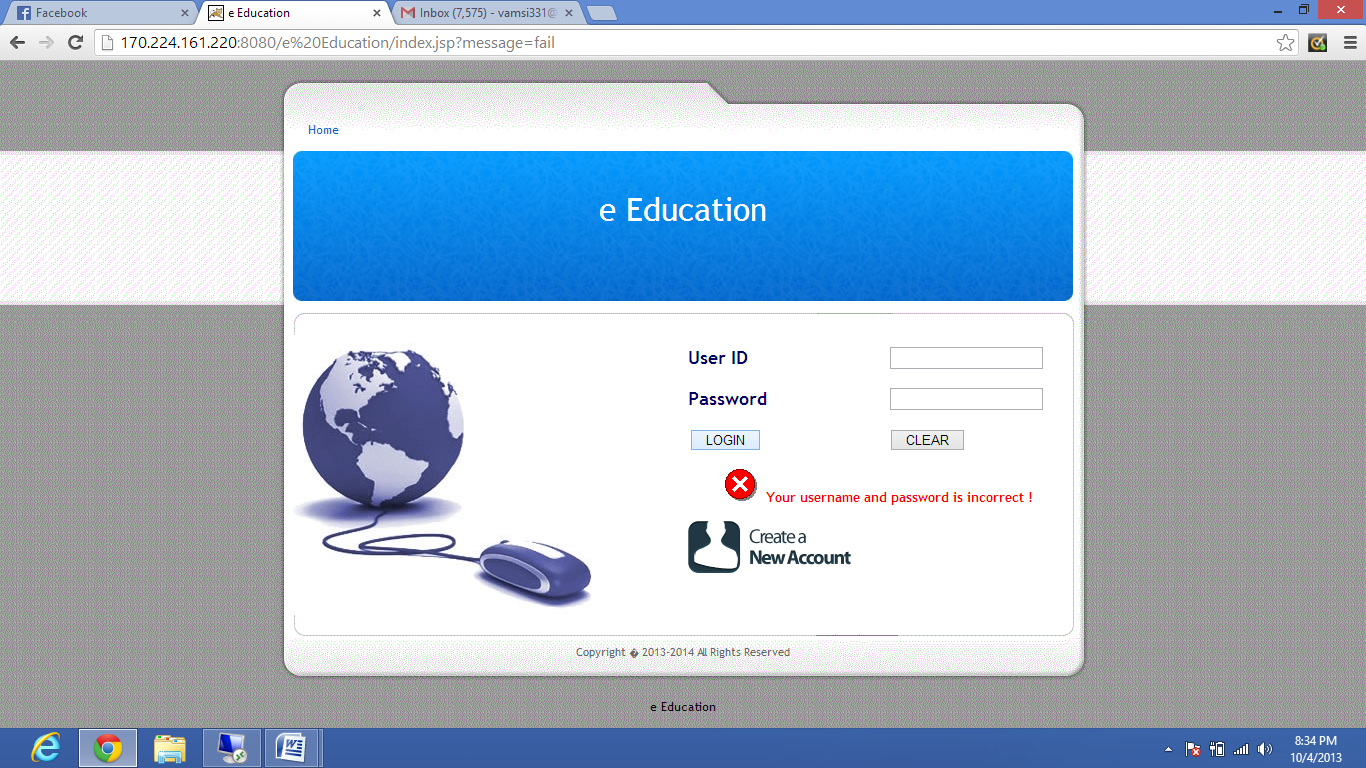
**Data stored in the database mySQL:**



**Testing:**

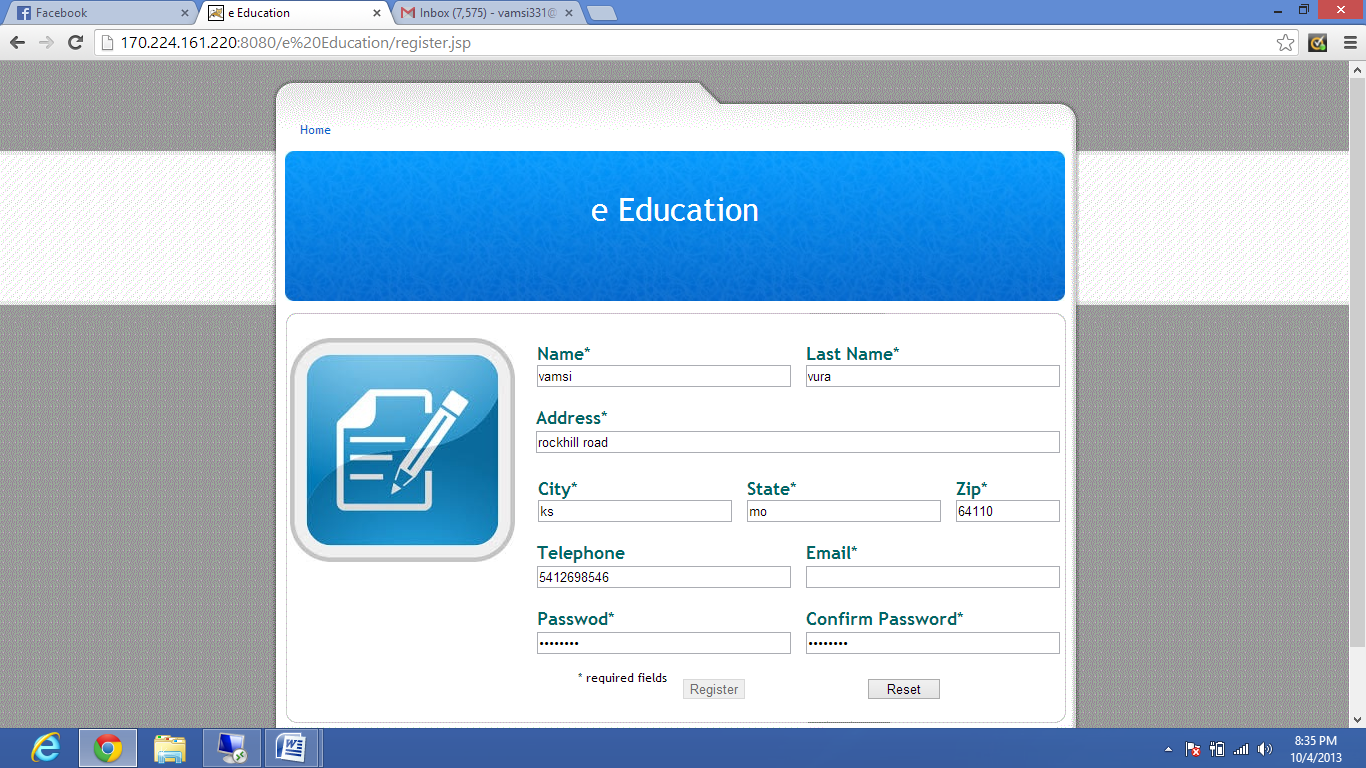
Vaildation 1: Unknow username and password gives the message " your username and password is incorrect"(in next screen shot)





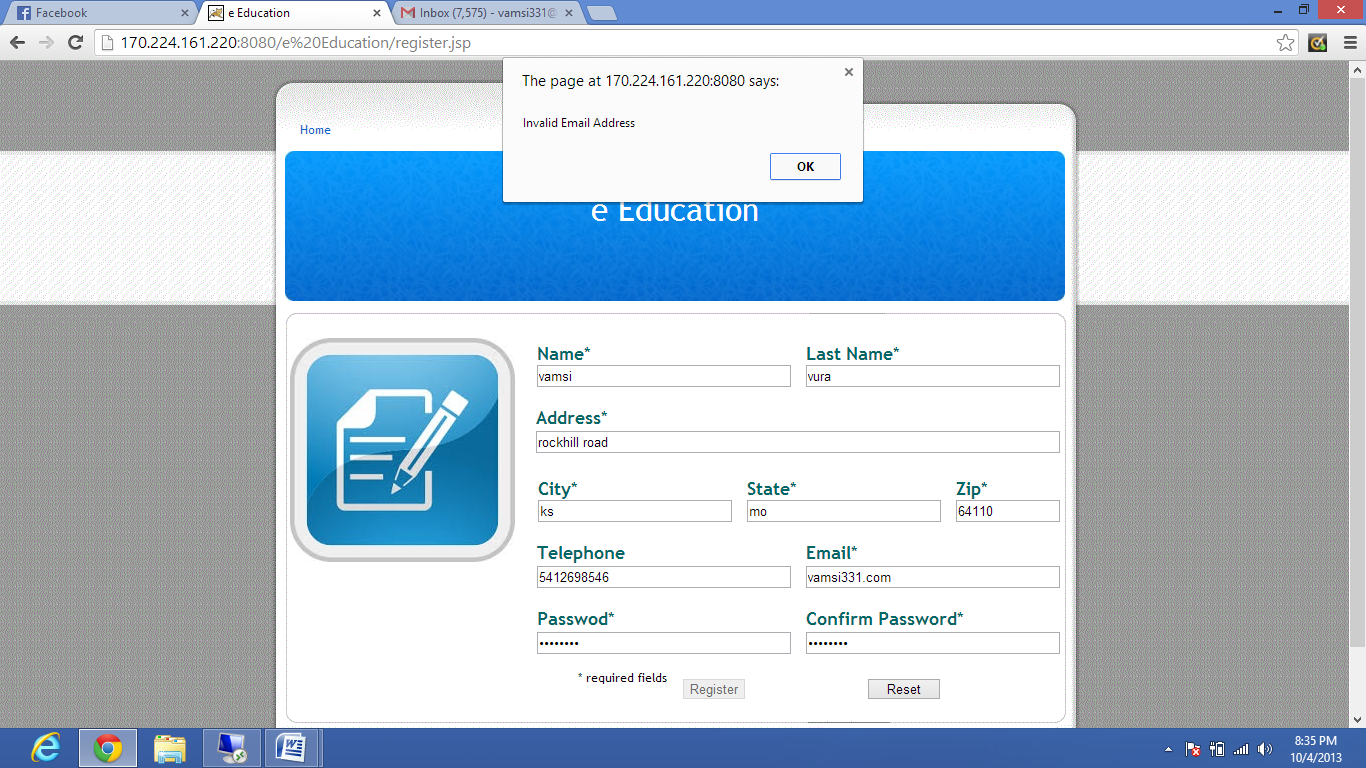
Validation 2:

Until all the essential fields are complete the register button will not enabled



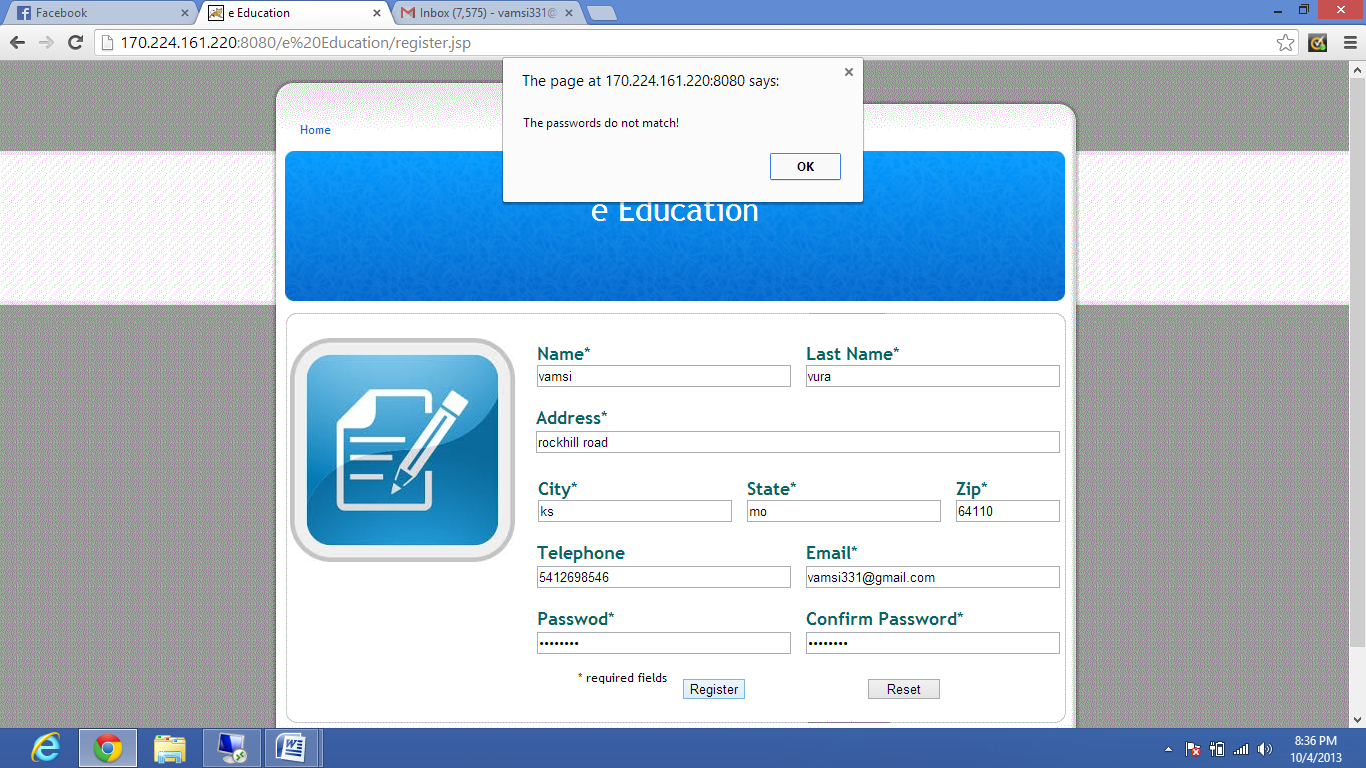
Validation 3:

User email ID should be in standard email format otherwise it shows "Invalid email address"



Validation 4:

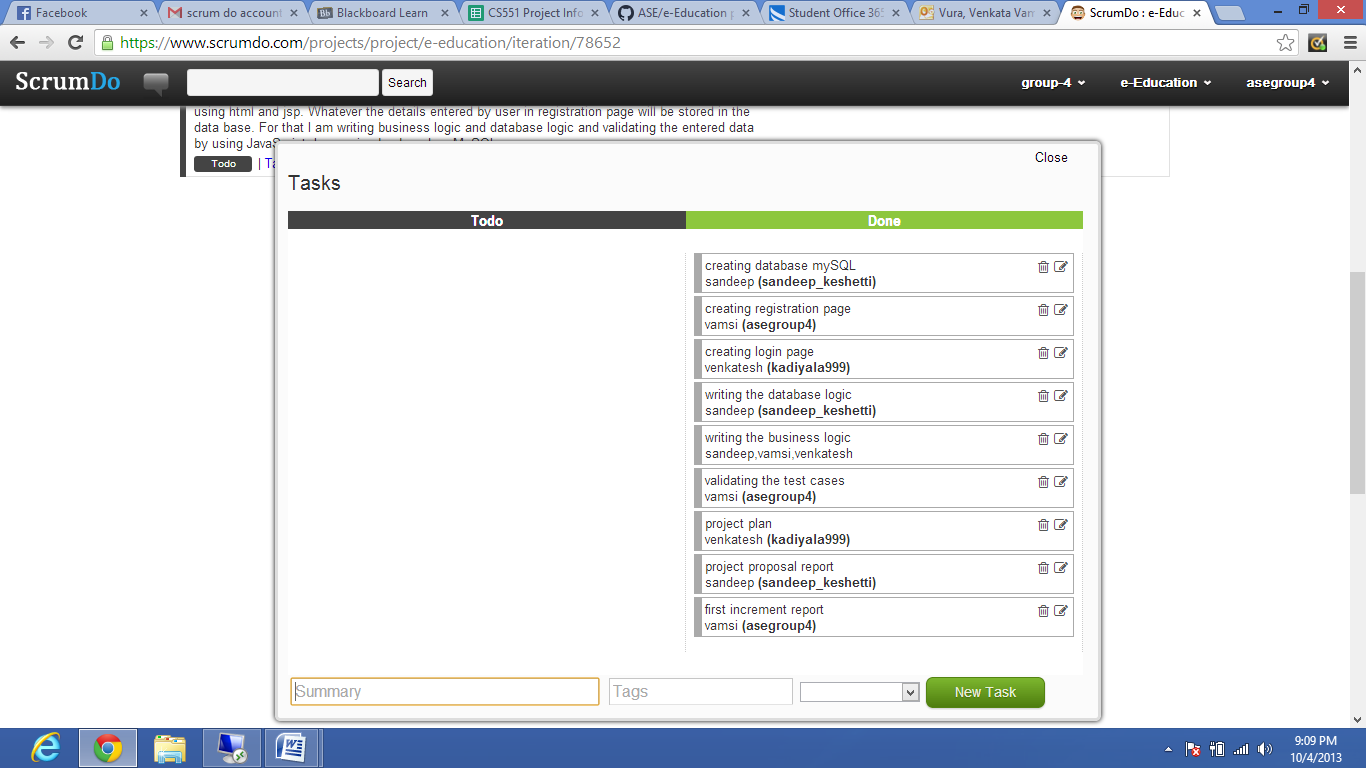
If user enters the password and confirm password different it will show passwords do not match



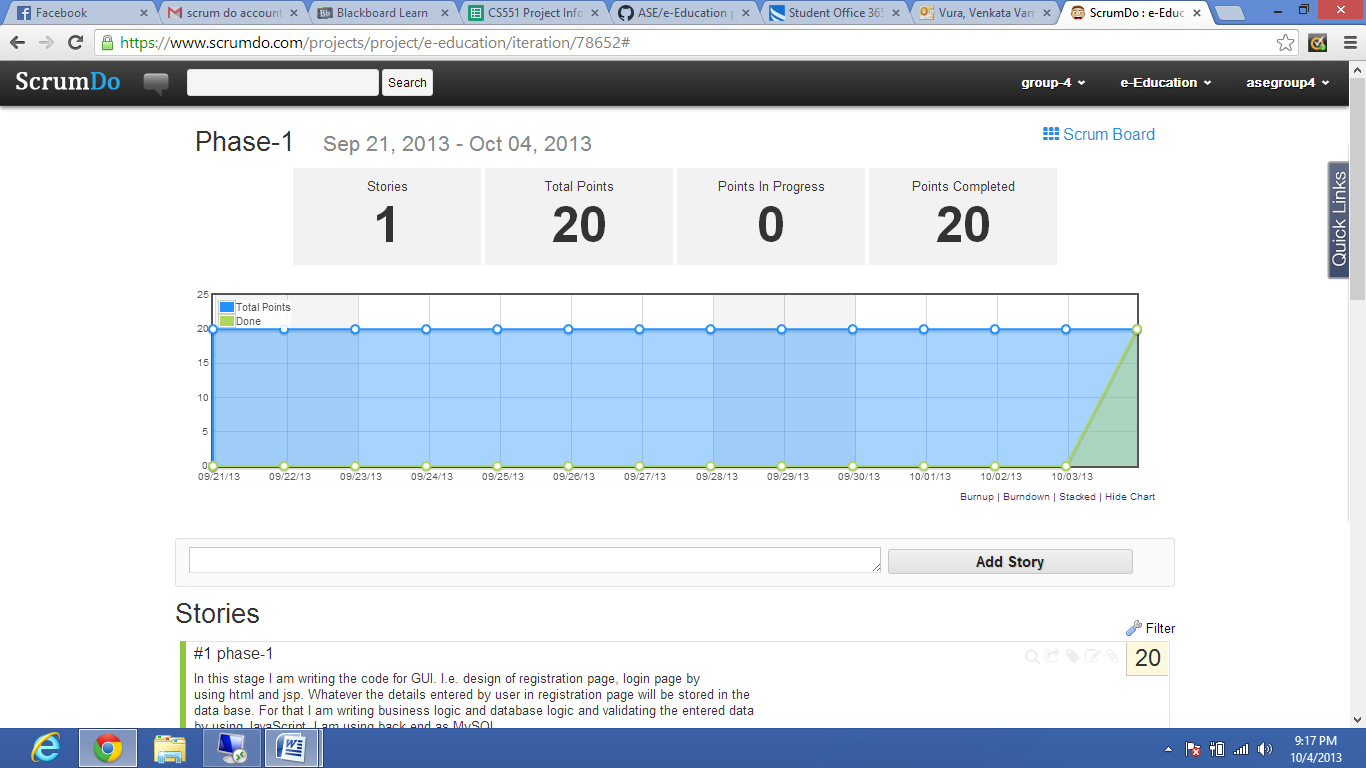
Scrum do link of Incremnt-1:

<https://www.scrumdo.com/projects/project/e-education/iteration/78652/board>

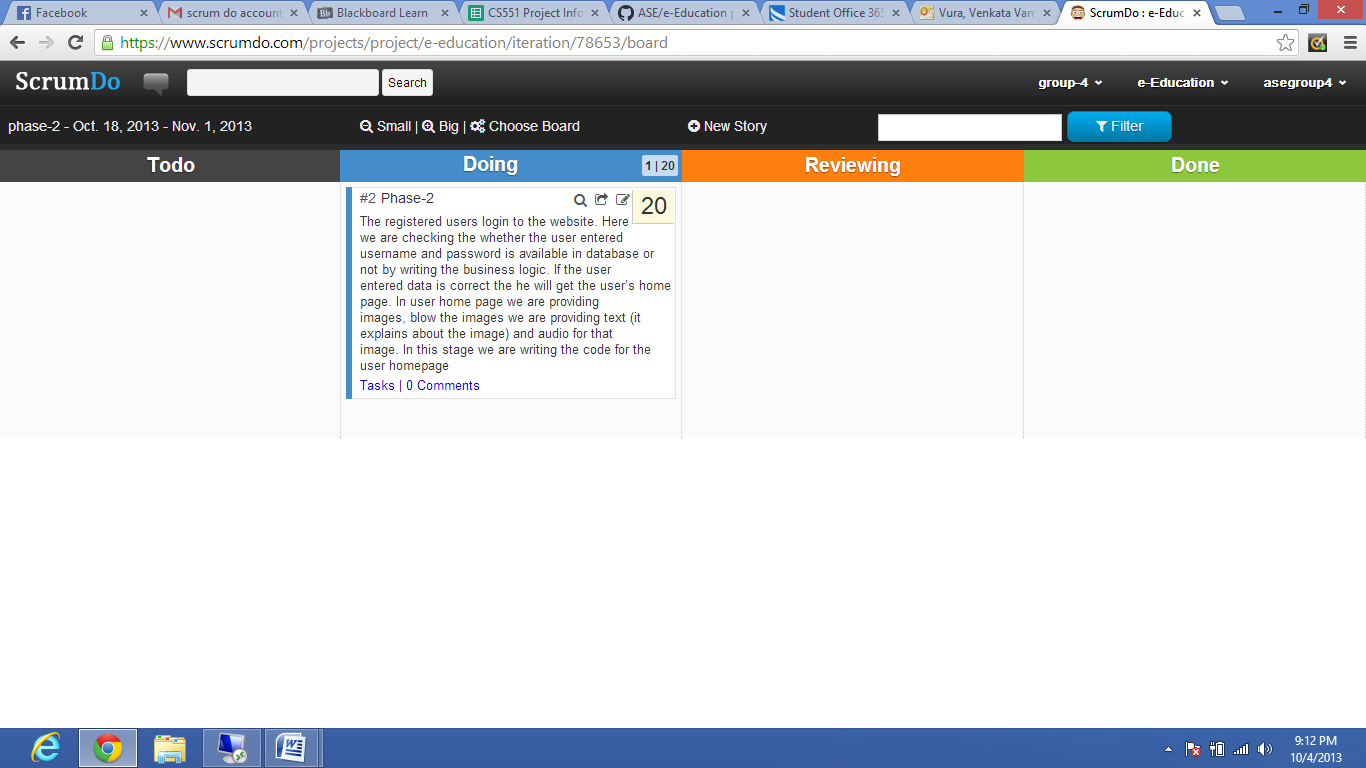
Showing the tasks doing by individual members:



Showing the story-1 is completed:



Phase-2 is in progress:



Project summary showing the stroy-1 is completed:



**Mobile application website URL to the project cloud instance:**

<http://170.224.161.220:8080/e%20Education/>

Project management:

Member : Sundeep Keshetti

Database creation;

writing the logic to connect the database to the source code;

business logic;

GUI;

project proposal report.

Member: Venkata Vamsi Siva Krishna Vura

Creating registration page;

business logic;

validating the test cases;

GUI;

project first increment report.

Member: Venkatesh Kadiyala

Creating login page;

project plan;

business logic;

GUI.

Issues:

We are trying to get a confirmation mail when the registration of user is success,

By using web services trying to get zip code.