**Appendix A**

**Individual contribution to the project**

**154090C – Rajapaksha R.P.M.P**

First, I studied about similar approaches to our system and highlighted the similarities and differences. When creating the sample prototype, I added CSS codes and Java Script codes to its front end. I added snow effect to the prototype. I referred tutorials and watched YouTube in order to find about bootstrap technology. I drew 4 sequence diagrams for separate processes. For that, I selected Star UML as the easiest tool to draw sequence diagrams after referring many UML diagram tools.

I watched videos to learn about the features of sequence diagrams. I designed a feedback form for non-undergraduates. I designed the front end by using a template. I learnt how to edit a template according to our purpose by watching YouTube tutorials. I added CSS codes to the front end. I designed the front end of sign up forms. I learnt how to add a google map to a website with the help of Lahiru. Moreover, I learnt how to make an excellent project report.

I developed the mobile application together with Lahiru. Before implementing, I watched lot of android tutorials and referred android books to gather a general knowledge on android. I designed the user registration and login forms and validated them. I added password encryption feature to passwords. I added sessions to link to pages in android.

I developed the file uploading module. In the file uploading module, I added the ability to upload files, videos and photos to the system.

By doing this project, I learnt how to make a scientific document according to guidelines and I learnt standard methods for academic writing. Together with my group members, I will distribute the feedback forms to users and collect their feedbacks.

**154075K - Pathirana I.M.P**

I designed the website of the system. I studied about similar systems and their characteristics and weaknesses of W3 schools and GitHub. In the sample prototype When finding applicable technologies, I searched about asp.net and visual studio. I designed four activity diagrams for each process and use case diagram after referring TutorialsPoint.

I learnt how to use draw.io online tool to design activity and use case diagrams. I designed the back end. I connected the front-end forms to the back end using C# language. For that, I learnt C# language using tutorials. I designed the feedback form of graduates. I searched about global unique identifier algorithms to uniquely identify users and apply those algorithms to the system.

I developed the event-organizing module. User can make an event by entering event details. I designed a form to create an event and validated it. Another feature I added was showing the existing events. I added a live google map to show upcoming events. When user goes to an event place in the google map it shows the event name and particular URL. To make this module I watched YouTube videos and followed many c# codes.

I developed the password reset module. When a user has forgotten his/her password he can reset the password by sending an email to admin. The Admin gives permission to reset the password. I made this module after watching asp.net tutorials and referring java point for c# language.

Users can upload problems and other users can suggest solutions to solve these problems. Users can provide their solutions as replies. To make this module I watched asp.net videos, referred articles and other related websites.

I developed the file uploading module to upload files in any size.I watched YouTube asp.net videos and other articles. I learnt how to make a proper scientific document and I distributed feedback forms with other group members and gathered data

**154107M - Samaranayake S.N**

Our first task was to find similar approaches to our system. By referring internet, I found characteristics and weaknesses of Academia.edu and Facebook groups. When designing the sample prototype, I built the some parts of the database using MS SQL. For that, I referred TutorialsPoint and JavaPoint web sites to learn how to write quarries in a database. I drew the top-level architecture diagram of the system. I was responsible for designing the EER diagram.

I studied about EER diagrams by watching YouTube tutorials and other related websites. After referring suitable tools to draw an EER I found draw.io online tool as the easiest method. My next task was to map the EER diagram to relational model. When normalizing the relational model, I got guidance from lecturers, I followed my past lecture notes and YouTube videos as this is the basis of database creation. I studied how to create the database using Microsoft SQL server management studio and how to add constraints to a database. Furthermore, I learnt how to make a project interim report according standard formats.

I designed the whole database using Microsoft SQL in Microsoft SQL server. I wrote Ms SQL for tables, stored procedures, and added relationships between tables. I learnt how to update the database.

I developed the group-handling module. I designed a web form to create a group and validated it. I developed the group searching process using asp.net and c#. I created the blog for lecturers where lecturers can upload their articles. I watched lot of asp.net and c# codes related to creating a blog. I did the password encryption in each password. I validated the web forms using asp .net validating controls. I learnt how to add sessions to link to web pages using asp.net.

Through this project, I learnt how to make a project report according to guidelines in an academic manner. With my other group members, I distributed feedback forms and collected data to analyze.

**154198N - Munasinghe L.T.**

When drawing UML diagrams I wanted to draw a level 0 context diagram and a level 1 context diagram. I searched for tools which can be used to draw context diagrams. Then I selected draw.io online tool as the easiest tool. I studied how to draw a correct context diagram by using tutorials and watching YouTube videos. Our group members decided to design a sample prototype to be familiar with technologies. When creating that sample, I referred more about how to design a HTML form.

I learnt about JavaScript by referring W3 Schools, TutorialsPoint and JavaPoint to implement the sample. When coming in to our actual system I studied how to design the front end by editing a template and how to add external JavaScript and CSS. I designed the login form and registration form. I learnt how to add a google map to a web page by studying more about related tags.

After the interim presentation, I started watching videos on android to get a general knowledge on android. I developed the android backend using PHP. To do that I watched lot of PHP tutorials.

I developed the API to connect the mobile app and web app together. I watched many tutorials on API and learnt how to retrieve data from database to API and then to mobile app to or mobile app.

I developed the group creation process in android. A user can create a group or join to an existing group. To join a group user asks permission to from the group admin. After accepting the request, users can join to a group. I develop the join to group process in the web application. I learnt asp.net page navigation methods to do this module.

I learnt how to make a scientific document according to proper formats I will distribute feedback forms with my other group members and will analyze the collected data.

**154199T – Madhusanka E.R.H**

When finding similar approaches, I found Courserra and Moodle from referring internet. Then I compared their characteristics and weaknesses with our proposed solution. Our group built a sample prototype. In that website, I designed the front end using HTML. For that, I followed tutorials in Java Point and W3 Schools. I designed the module diagram of the system. I watched YouTube tutorials to learn about HTML tags. I designed the form of group registration.

I referred tutorials to learn how to draw a class diagram. I watched videos to learn how to use Star UML tools in order to draw a class diagram correctly. I referred internet and watched YouTube tutorials about flowcharts. I wrote the content in the front end. I studied how to work with Microsoft SQL server management studio in order to create database tables. I designed a feedback form for school students. I gave my fullest support to make the interim report.

After the interim stage submissions, I added CSS to whole system to increase the front-end view. To add CSS I watched lot of video tutorials and followed lot of written tutorials. There was a need to send a feedback email provided by the user to an admin. I sent one instance to a database and sent an email to group admin. To do this module I watched YouTube videos related to email sending through asp.net and how to write C# codes related to this module. I studied how to use google authentication to send mails.

I designed the MCQ question-uploading module. First, I watched how to make a MCQ paper using asp.net. I watched YouTube videos, related to online examination system projects. When I got errors I referred stack overflow site the most. I followed java-point and tutorial point to find c# codes. To connect to the database I referred some database related articles.

Together with other group members, I distributed feedback forms, gathered feedbacks from the users, and helped to analyze collected data. I supported to make the final report and through this, I learnt how to make a scientific document.

**Appendix B**

**Source code**

Index.aspx

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="index.aspx.cs" Inherits="Study\_Groups\_interim.index" %>

<!DOCTYPE html>

<html lang="en">

<head runat="server">

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0,maximum-scale=1">

<title>Study Group</title>

<link href="http://fonts.googleapis.com/css?family=Roboto:300,400,700|" rel="stylesheet" type="text/css">

<link href="fonts/font-awesome.min.css" rel="stylesheet" type="text/css">

<link rel="stylesheet" href="style.css">

</head>

<body>

<form id="form2" runat="server">

<div class="site-content">

<header class="site-header collapsed-nav" data-bg-image="">

<div class="container">

<div class="header-bar">

<a href="index.aspx" class="branding">

<div class="System-type">

<h1 class="site-title">Study Group</h1>

<small class="site-description">Stay Motivated and Study Hard</small>

</div>

</a>

<nav class="main-navigation">

<button class="menu-toggle"><i class="fa fa-bars"></i></button>

<ul class="menu">

<li class="home menu-item current-menu-item"><a href="index.aspx"><img src="images/home-icon.png" alt="Home"></a></li>

<li class="menu-item"><a href="aboutus.aspx">About</a></li>

<li class="menu-item"><a href="services.aspx">Services</a></li>

<!-- <li class="menu-item"><a href="signup.html">Sign Up</a></li>-->

<li class="menu-item"><a href="lgin.aspx">Sign In</a></li>

<li class="menu-item"><a href="contactus.aspx">Contact</a></li>

</ul>

</nav>

<div class="mobile-navigation"></div>

</div>

</div>

</header>

<div class="hero">

<ul class="slides">

<li data-bg-image="images/picture3.jpg">

<div class="container">

<div class="slide-content">

<strong><h2 class="slide-title" style ="color:blue" >MAKE YOUR DREAMS HAPPEN </h2> </strong>

<p>

“Live as if you were to die tomorrow. Learn as if you were to live forever.”

<br />― Mahatma Gandhi

</p>

<a href="Studentregistation.aspx" class="button">Join Now</a>

</div>

</div>

</li>

<li data-bg-image="images/home.jpg">

<div class="container">

<div class="slide-content">

<font color="black">

<strong> <h2 class="slide-title"><b>MASTER YOUR FUTURE </b> </h2> </strong>

<br />

<p>

<b>

“Educating the mind without educating the heart is no education at all.”

<br />― Aristotle

</b>

</p>

</font>

<a href="Studentregistation.aspx" class="button">Join Now</a>

</div>

</div>

</li>

<li data-bg-image="images/computer.jpg">

<div class="container">

<div class="slide-content">

<font color="black">

<h2 class="slide-title">STAY INSPIRED</h2>

<p>

“Study without desire spoils the memory, and it retains nothing that it takes in.”

<br /> ― Leonardo da Vinci

</p>

</font>

<a href="Studentregistation.aspx" class="button">Join Now</a>

</div>

</div>

</li>

</ul>

</div>

<main class="main-content">

<div class="fullwidth-block">

<div class="container">

<div class="row">

<div class="col-sm-3">

<div class="feature">

<img src="images/file.png" width="30%" alt="" class="feature-image" >

<h2 class="feature-title">Upload your Files</h2>

<p> Upload your Files to Share knowledge together</p><br /><br /><br />

<a href="fileupload.aspx" class="button">Learn more</a>

</div>

</div>

<div class="col-sm-3">

<div class="feature">

<img src="images/question2.png" width="20%" alt="" class="feature-image">

<h2 class="feature-title">Upload Question papers </h2>

<p>Upload your question papers and let others evaluate themselves.</p><br />

<a href="groupcreation.html" class="button">Learn more</a>

</div>

</div>

<div class="col-sm-3">

<div class="feature">

<img src="images/group1.png" width="40%" alt="" class="feature-image">

<h2 class="feature-title">Handle your groups </h2>

<p>Get things done and stay in touch with the people you want.</p><br />

<a href="groupselecting.aspx" class="button">Learn more</a>

</div>

</div>

<div class=" col-sm-3">

<div class="feature">

<img src="images/Event1.png" width="35%" alt="" class="feature-image">

<h2 class="feature-title">Organize your events</h2>

<p>Create your own event and let others know<p> <br />

</p>

<a href="Events.aspx" class="button">Learn more</a>

</div>

</div>

</div> <!-- .row -->

</div> <!-- .container -->

</div> <!-- .fullwidth-block -->

<div class="fullwidth-block" data-bg-color="#edf2f4">

<div class="container">

<h2 class="section-title"> For Whom ? </h2>

<div class="row">

<div class="col-md-3">

<div class="post">

<figure class="featured-image"><img src="images/undergraduates.jpg" alt=""></figure>

<h2 class="entry-title"><a href="">Undergraduates</a></h2>

</div>

</div>

<div class="col-md-3">

<div class="post">

<figure class="featured-image"><img src="images/postgraduate.jpg" alt=""></figure>

<h2 class="entry-title"><a href="">Postgraduates</a></h2>

</div>

</div>

<div class="col-md-3">

<div class="post">

<figure class="featured-image"><img src="images/school students.jpg" alt=""></figure>

<h2 class="entry-title"><a href="">School Students</a></h2>

</div>

</div>

<div class="col-md-3">

<div class="post">

<figure class="featured-image"><img src="images/lect.jpg" alt=""></figure> <!-- IT notes-->

<h2 class="entry-title"><a href=""> Lecturers

</a></h2>

</div>

</div>

</div> <!-- .row -->

</div> <!-- .container -->

</div> <!-- .fullwidth-block -->

<div class="fullwidth-block">

<div class="container">

<div class="row">

<h4 class="section-title">Our mission</h4>

<p>

<justify>

Our mission is to develop active and creative minds by providing an educational atmosphere to all knowledge seekers.

</justify>

</p>

<h3 class="section-title"> Our vision </h3>

To support in becoming an expert in kind of educational excellence and community involvement that creates outstanding citizens and life-long learners

</div>

</div>

</div>

</main> <!-- .main-content close -->

</div>

<script src="js/jquery-1.11.1.min.js"></script>

<script src="js/plugins.js"></script>

<script src="js/app.js"></script>

</form>

</body>

</html>

Registation

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="lecregistationaspx.aspx.cs" Inherits="Study\_Groups\_interim.lecregistationaspx" %>

<!DOCTYPE html>

<html >

<head runat="server">

<meta charset="UTF-8">

<title>Sign Up Form</title>

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/normalize/5.0.0/normalize.min.css">

<link rel='stylesheet prefetch' href='http://maxcdn.bootstrapcdn.com/font-awesome/4.3.0/css/font-awesome.min.css'>

<link rel="stylesheet" href="css/formstyle.css">

<style type="text/css">

.auto-style1 {

width: 446px;

height: 17px;

position: absolute;

left: 1px;

top: 65px;

}

.auto-style2 {

width: 81px;

height: 17px;

position: absolute;

left: 1px;

top: 65px;

}

</style>

</head>

<body>

<form id="form2" runat="server">

<div class="container">

<form>

<div class="row">

<h4>Lecturer Regisation</h4>

<div class="input-group input-group-icon">

<asp:TextBox ID="TextBoxFirstName" runat="server" placeholder="First Name" ></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidatorTextBoxFirstName" runat="server" ErrorMessage="First Name is required" ControlToValidate="TextBoxFirstName"></asp:RequiredFieldValidator>

<div class="input-icon"><i class="fa fa-user"></i></div>

</div>

<div class="input-group input-group-icon">

<asp:TextBox ID="TextBoxLastName" runat="server" placeholder="Last Name" ></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidatorTextBoxLastName" runat="server" ErrorMessage="Last Name is required" ControlToValidate="TextBoxLastName"></asp:RequiredFieldValidator>

<div class="input-icon"><i class="fa fa-user"></i></div>

</div>

<div class="input-group input-group-icon">

<asp:TextBox ID="TextBoxemail" runat="server" placeholder="Email Adress" ></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidatorTextBoxemail" runat="server" ErrorMessage="Email is required" ControlToValidate="TextBoxemail" ></asp:RequiredFieldValidator>

<asp:RegularExpressionValidator ID="RegularExpressionValidatorTextBoxemail" runat="server" ErrorMessage="Invalid Email" ControlToValidate="TextBoxemail" CssClass="auto-style2" ValidationExpression="\w+([-+.']\w+)\*@\w+([-.]\w+)\*\.\w+([-.]\w+)\*"></asp:RegularExpressionValidator>

<div class="input-icon"><i class="fa fa-envelope"></i></div>

</div>

<div class="input-group input-group-icon">

<asp:TextBox ID="TextBoxLocation" runat="server" placeholder="Your Location" ></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidatorTextBoxLocation" runat="server" ErrorMessage="Location is required" ControlToValidate="TextBoxLocation"></asp:RequiredFieldValidator>

<div class="input-icon"><i class="fa fa-globe"></i></div>

</div>

<div class="input-group input-group-icon">

<asp:TextBox ID="TextBoxSubject" runat="server" placeholder="Subject" ></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidatorTextBoxSubject" runat="server" ErrorMessage="Subject is required" ControlToValidate="TextBoxSubject"></asp:RequiredFieldValidator>

<div class="input-icon"><i class="fa fa-mortar-board"></i></div>

</div>

<div class="input-group input-group-icon">

<asp:TextBox ID="TextBoxUniversity" runat="server" placeholder="University" ></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidatorTextBoxUniversity" runat="server" ErrorMessage="University is required" ControlToValidate="TextBoxUniversity"></asp:RequiredFieldValidator>

<div class="input-icon"><i class="fa fa-university"></i></div>

</div>

<div class="input-group input-group-icon">

<asp:TextBox ID="TextBoxNIC" runat="server" placeholder="Your NIC Number" ></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidatorTextBoxNIC" runat="server" ErrorMessage="NIC is required" ControlToValidate="TextBoxNIC"></asp:RequiredFieldValidator>

<div class="input-icon"><i class="fa fa-info-circle"></i></div>

</div>

<div class="input-group input-group-icon">

<asp:TextBox ID="TextBoxPassword" runat="server" placeholder="Password" TextMode="Password"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidatorTextBoxPassword" runat="server" ErrorMessage="Password is required" ControlToValidate="TextBoxPassword"></asp:RequiredFieldValidator>

<div class="input-icon"><i class="fa fa-key"></i></div>

</div>

<div class="input-group input-group-icon">

<asp:TextBox ID="TextBoxConfirmPassword" runat="server" placeholder="Confirm Password" TextMode="Password"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidatorTextBoxConfirmPassword" runat="server" ErrorMessage="Retype your password" ControlToValidate="TextBoxConfirmPassword"></asp:RequiredFieldValidator>

<asp:CompareValidator ID="CompareValidatorPasswords" runat="server" ErrorMessage="Password and confirm password should match" ControlToCompare="TextBoxPassword" ControlToValidate="TextBoxConfirmPassword" CssClass="auto-style1"></asp:CompareValidator>

<div class="input-icon"><i class="fa fa-unlock-alt"></i></div>

</div>

<asp:Button ID="ButtonRegister" runat="server" Text="Register" OnClick="ButtonRegister\_Click" />

<br /> <br />

<a href="Studentregistation.aspx">Student sign up</a>&nbsp;&nbsp; <a href="lgin.aspx">already have an account</a>

</div>

<div class="row">

<h4>&nbsp;<input type="checkbox" id="terms"/>

<label for="terms">I accept the terms and conditions of study groups for signing up to this service, and hereby confirm I have read the privacy policy.</label>

</div>

</div>

</form>

</div>

<script src='http://cdnjs.cloudflare.com/ajax/libs/jquery/2.1.3/jquery.min.js'></script>

<script src="js/formindex.js"></script>

</form>

</body>

</html>

Registationaspx.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using System.Data.SqlClient;

using System.Configuration;

namespace Study\_Groups\_interim

{

public partial class lecregistationaspx : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

//pwd encryption

private String Encryptpassword(String pass)

{

byte[] bytes = System.Text.Encoding.Unicode.GetBytes(pass);

string Encryptpassword = Convert.ToBase64String(bytes);

return Encryptpassword;

}

protected void ButtonRegister\_Click(object sender, EventArgs e)

{

// Response.Redirect("index.aspx");

try

{

string encpwd = Encryptpassword(TextBoxPassword.Text);

//algorithum for globle user identifier

Guid newGUID = Guid.NewGuid();

SqlConnection con = new SqlConnection(ConfigurationManager.ConnectionStrings["Study GroupsConnectionString"].ConnectionString);

con.Open();

String userinsertquary = "insert into Users (UserId,FirstName,LastName,email,Location,NIC,Password) values (@UID,@FName,@LName,@eml,@loca,@ni,@pwd)";

SqlCommand com = new SqlCommand(userinsertquary, con);

com.Parameters.AddWithValue("@UID", newGUID.ToString());

com.Parameters.AddWithValue("@FName", TextBoxFirstName.Text);

com.Parameters.AddWithValue("@LName", TextBoxLastName.Text);

com.Parameters.AddWithValue("@eml", TextBoxemail.Text);

com.Parameters.AddWithValue("@loca", TextBoxLocation.Text);

com.Parameters.AddWithValue("@ni", TextBoxNIC.Text);

com.Parameters.AddWithValue("@pwd", encpwd);

com.ExecuteNonQuery();

Response.Write("Successfully registered");

// lecturerslata

String lectureinsertquary = "insert into Lecturer (UserId,Subject,UniversityName) values (@UID,@subject,@university)";

SqlCommand com2 = new SqlCommand(lectureinsertquary, con);

com2.Parameters.AddWithValue("@UID", newGUID.ToString());

com2.Parameters.AddWithValue("@subject", TextBoxSubject.Text);

com2.Parameters.AddWithValue("@university", TextBoxUniversity.Text);

com2.ExecuteNonQuery();

con.Close();

Response.Redirect("Manager.aspx");

}

catch (Exception ex)

{

Response.Write("There is an error while entering " + ex.ToString());

}

}

}

}

Lginaspx

nn

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="lgin.aspx.cs" Inherits="Study\_Groups\_interim.lgin" %>

<!DOCTYPE html>

<html >

<head runat="server">

<meta charset="UTF-8">

<title>Sign Up Form</title>

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/normalize/5.0.0/normalize.min.css">

<link rel='stylesheet prefetch' href='http://maxcdn.bootstrapcdn.com/font-awesome/4.3.0/css/font-awesome.min.css'>

<link rel="stylesheet" href="css/formstyle.css">

</head>

<body>

<form id="form2" runat="server">

<div class="container">

<form>

<div class="row">

<h4>Login</h4>

<div class="input-group input-group-icon">

<asp:TextBox ID="TextBoxemail" runat="server" placeholder="Email Adress"></asp:TextBox>

<div class="input-icon"><i class="fa fa-envelope"></i></div>

</div>

<div class="input-group input-group-icon">

<asp:TextBox ID="TextBoxPassword" runat="server" placeholder="Password" TextMode="Password"></asp:TextBox>

<div class="input-icon"><i class="fa fa-key"></i></div>

</div>

<asp:Button ID="Buttonlogin" runat="server" Text="Login" OnClick="Buttonlogin\_Click1" />

<br /> <br />

<input id="Reset1" type="reset" value="reset" />

<br /> <br />

<a href="lecregistation.aspx">lecturer sign up</a>&nbsp;&nbsp;&nbsp;&nbsp;

<a href="Studentregistation.aspx">Student sign up</a> &nbsp;&nbsp;&nbsp;&nbsp;

<a href="Studentregistation.aspx">Forgot Password</a>

</div>

<div class="row">

</div>

</form>

</div>

<script src='http://cdnjs.cloudflare.com/ajax/libs/jquery/2.1.3/jquery.min.js'></script>

<script src="js/formindex.js"></script>

</form>

</body>

</html>

Lginaspx.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using System.Data.SqlClient;

using System.Configuration;

namespace Study\_Groups\_interim

{

public partial class lgin : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

//pwd dec

private string DecryptPassword(string Encryptedpass)

{

byte[] bytes = Convert.FromBase64String(Encryptedpass);

String Decryptpassword = System.Text.Encoding.Unicode.GetString(bytes);

return Decryptpassword;

}

protected void Buttonlogin\_Click(object sender, EventArgs e)

{

}

protected void Buttonlogin\_Click1(object sender, EventArgs e)

{

SqlConnection con = new SqlConnection(ConfigurationManager.ConnectionStrings["Study GroupsConnectionString"].ConnectionString);

con.Open();

String checkuser = "SELECT count(\*) FROM Users where email ='" + TextBoxemail.Text + "'";

SqlCommand com = new SqlCommand(checkuser, con);

int temp = Convert.ToInt32(com.ExecuteScalar().ToString());

if (temp == 1)

{

String checkpassword = "SELECT Password from Users where email ='" + TextBoxemail.Text + "'";

SqlCommand passcom = new SqlCommand(checkpassword, con);

String Password = passcom.ExecuteScalar().ToString().Replace(" ", "");

String decpwd = DecryptPassword(Password);

//Labeldec.Text = DecryptPassword(TextBox2.Text);

if (decpwd == TextBoxPassword.Text)

{

Session["New"] = TextBoxemail.Text;

Response.Write("Password is correct");

Response.Redirect("groupselecting.aspx");

}

else

{

Response.Write("Password is not correct");

}

con.Close();

//Response.Write("User alrady exsits");

}

//end of the session

// com.ExecuteNonQuery();

}

}

}

Eventsaspx

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Events.aspx.cs" Inherits="Study\_Groups\_interim.Events" %>

<%@ Register assembly="GMaps" namespace="Subgurim.Controles" tagprefix="cc1" %>

<!DOCTYPE html>

<html>

<head runat="server">

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0,maximum-scale=1">

<title>File Uploading</title>

<link href="http://fonts.googleapis.com/css?family=Roboto:300,400,700|" rel="stylesheet" type="text/css">

<link href="fonts/font-awesome.min.css" rel="stylesheet" type="text/css">

<link rel="stylesheet" href="style.css">

<style type="text/css">

.auto-style2 {

left: 3px;

top: 26px;

}

</style>

</head>

<body>

<form id="form2" runat="server">

<header class="site-header collapsed-nav" data-bg-image="">

<div class="container">

<div class="header-bar">

<a href="index.aspx" class="branding">

<div class="System-type">

<h1 class="site-title">Study Group</h1>

<small class="site-description">Stay Motivated and Study Hard</small>

</div>

</a>

<nav class="main-navigation">

<button class="menu-toggle"><i class="fa fa-bars"></i></button>

<ul class="menu">

<li class="home menu-item current-menu-item"><a href="index.aspx"><img src="images/home-icon.png" alt="Home"></a></li>

<li class="menu-item"><a href="aboutus.aspx">About</a></li>

<li class="menu-item"><a href="videos.aspx">Videos</a></li>

<li class="menu-item"><a href="lgin.aspx">Sign In</a></li>

<li class="menu-item"><a href="contactus.aspx">Contact</a></li>

</ul>

</nav>

<div class="mobile-navigation"></div>

</div>

</div>

</header>

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

<div class="container" >

<div class="row">

<div class="auto-style2">

<div class="feature">

<center> <h2>

<b> Upcomming events

<asp:Button ID="Button1" runat="server" CssClass="pull-right" OnClick="Button1\_Click" Text="Add Event" />

</b> </h2></center>

<p>

<justify>

<asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False" CellPadding="4" DataSourceID="SqlDataSource1" ForeColor="#333333" GridLines="None">

<AlternatingRowStyle BackColor="White" />

<Columns>

<asp:BoundField DataField="EventName" HeaderText="EventName" SortExpression="EventName" />

<asp:BoundField DataField="EventLocation" HeaderText="EventLocation" SortExpression="EventLocation" />

<asp:BoundField DataField="EventDate" HeaderText="EventDate" SortExpression="EventDate" />

<asp:BoundField DataField="EventTime" HeaderText="EventTime" SortExpression="EventTime" />

<asp:BoundField DataField="EventCatogary" HeaderText="EventCatogary" SortExpression="EventCatogary" />

<asp:BoundField DataField="EventDescription" HeaderText="EventDescription" SortExpression="EventDescription" />

<asp:BoundField DataField="OrganizerEmail" HeaderText="OrganizerEmail" SortExpression="OrganizerEmail" />

</Columns>

<EditRowStyle BackColor="#2461BF" />

<FooterStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<HeaderStyle BackColor="#507CD1" Font-Bold="True" ForeColor="White" />

<PagerStyle BackColor="#2461BF" ForeColor="White" HorizontalAlign="Center" />

<RowStyle BackColor="#EFF3FB" />

<SelectedRowStyle BackColor="#D1DDF1" Font-Bold="True" ForeColor="#333333" />

<SortedAscendingCellStyle BackColor="#F5F7FB" />

<SortedAscendingHeaderStyle BackColor="#6D95E1" />

<SortedDescendingCellStyle BackColor="#E9EBEF" />

<SortedDescendingHeaderStyle BackColor="#4870BE" />

</asp:GridView>

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$ ConnectionStrings:Study GroupsConnectionString9 %>" SelectCommand="SELECT [EventName], [EventLocation], [EventDate], [EventTime], [EventCatogary], [EventDescription], [OrganizerEmail] FROM [HotelMaster]"></asp:SqlDataSource>

</p>

<cc1:GMap ID="GMap1" runat="server" Width="1050px" hight="700px"/>

<p>

</justify>

</p>

</div>

</div>

</div> <!-- .row -->

<script src="https://maps.googleapis.com/maps/api/js?key=AIzaSyBJc7YwYW1rX1H8pUJSB\_A3a\_Y6Tj4Nt9w&callback=initMap"

async defer></script>

</div>

</form>

</body>

</html>

Eventsaspx.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using Subgurim.Controles;

using Subgurim.Controles.GoogleChartIconMaker;

using System;

using System.Collections.Generic;

using System.Drawing;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace Study\_Groups\_interim

{

public partial class Events : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

if (!IsPostBack)

{

// Here I used Faculty of information technology university of moratuwa Location as Main Location and Lat Long is : 6.797032, 79.901949

GLatLng mainLocation = new GLatLng(6.797032, 79.901949);

GMap1.setCenter(mainLocation, 15);

XPinLetter xpinLetter = new XPinLetter(PinShapes.pin\_star, "H", Color.Blue, Color.White, Color.Chocolate);

GMap1.Add(new GMarker(mainLocation, new GMarkerOptions(new GIcon(xpinLetter.ToString(), xpinLetter.Shadow()))));

List<HotelMaster> hotels = new List<HotelMaster>();

using (Study\_GroupsEntities1 dc = new Study\_GroupsEntities1())

{

hotels = dc.HotelMasters.Where(a => a.EventLocation.Equals("Moratuwa")).ToList();

}

PinIcon p;

GMarker gm;

GInfoWindow win;

foreach (var i in hotels)

{

p = new PinIcon(PinIcons.home, Color.Cyan);

gm = new GMarker(new GLatLng(Convert.ToDouble(i.LocLat), Convert.ToDouble(i.LocLong)),

new GMarkerOptions(new GIcon(p.ToString(), p.Shadow())));

win = new GInfoWindow(gm, i.EventName + " <a href='" + i.ReadMoreUrl + "'>Read more...</a>", false, GListener.Event.mouseover);

GMap1.Add(win);

}

}

}

protected void Button1\_Click(object sender, EventArgs e)

{

Response.Redirect("AddEvent.aspx");

}

}

}

FileUploaderaspx.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using System.Data;

using System.Data.SqlClient;

using System.Configuration;

using System.IO;

namespace Study\_Groups\_interim

{

public partial class NewFileUploader : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void ButtonUpload\_Click(object sender, EventArgs e)

{

/\* //SqlConnection con = new SqlConnection(ConfigurationManager.ConnectionStrings["Study GroupsConnectionString"].ConnectionString);

// con.Open();

//String userinsertquary = "insert into Files (Fname,Fcontent,Fcatogary,Fdiscription,Ftype,Fauthor,Fauthoremail) values (@Name,@Content,@Catagary,@Description,@type,@AuName,@Email)";

// SqlCommand com = new SqlCommand(userinsertquary, con);

com.Parameters.AddWithValue("@Name", TextBoxFileName.Text);

com.Parameters.AddWithValue("@Content", FileUpload1.FileBytes);

com.Parameters.AddWithValue("@Catagary", DropDownList1.SelectedItem.ToString());

com.Parameters.AddWithValue("@Description", TextBoxDescription.Text);

com.Parameters.AddWithValue("@type", DropDownList2.SelectedItem.ToString());

com.Parameters.AddWithValue("@AuName", TextBoxAuthorName.Text);

com.Parameters.AddWithValue("@Email", TextBoxemail.Text);

com.ExecuteNonQuery();

con.Close();

Response.Write("Successfully registerd"); \*/

string filename = Path.GetFileName(FileUpload1.PostedFile.FileName);

string contentType = FileUpload1.PostedFile.ContentType;

using (Stream fs = FileUpload1.PostedFile.InputStream)

{

using (BinaryReader br = new BinaryReader(fs))

{

byte[] bytes = br.ReadBytes((Int32)fs.Length);

SqlConnection con = new SqlConnection(ConfigurationManager.ConnectionStrings["Study GroupsConnectionString"].ConnectionString);

//con.Open();

{

String userinsertquary = "insert into Uploadfile (Name,Data,ContentType,Fcatogary,Fdiscription,Ftype,Fauthor,Fauthoremail) values (@Name,@Data,@ContentType,@Catagary,@Description,@type,@AuName,@Email)";

SqlCommand com = new SqlCommand(userinsertquary, con);

{

//cmd.Connection = con;

// cmd.Parameters.AddWithValue("@Name", filename);

//cmd.Parameters.AddWithValue("@ContentType", contentType);

//cmd.Parameters.AddWithValue("@Data", bytes);

//com.Parameters.AddWithValue("@Name", TextBoxFileName.Text);

com.Parameters.AddWithValue("@Name", filename);

com.Parameters.AddWithValue("@Data", FileUpload1.FileBytes);

com.Parameters.AddWithValue("@ContentType", contentType);

com.Parameters.AddWithValue("@Catagary", DropDownList1.SelectedItem.ToString());

com.Parameters.AddWithValue("@Description", TextBoxDescription.Text);

com.Parameters.AddWithValue("@type", DropDownList2.SelectedItem.ToString());

com.Parameters.AddWithValue("@AuName", TextBoxAuthorName.Text);

com.Parameters.AddWithValue("@Email", TextBoxemail.Text);

con.Open();

com.ExecuteNonQuery();

con.Close();

Response.Write("Successfully registerd");

}

}

}

}

}

}

}

Contactusaspx

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="contactus.aspx.cs" Inherits="Study\_Groups\_interim.contactus" %>

<!DOCTYPE html>

<html lang="en">

<head runat="server">

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0,maximum-scale=1">

<title>Study Group</title>

<link href="http://fonts.googleapis.com/css?family=Roboto:300,400,700|" rel="stylesheet" type="text/css">

<link href="fonts/font-awesome.min.css" rel="stylesheet" type="text/css">

<link rel="stylesheet" href="style.css">

</head>

<body>

<form id="form2" runat="server">

<div class="site-content">

<header class="site-header collapsed-nav" data-bg-image="">

<div class="container">

<div class="header-bar">

<a href="index.aspx" class="branding">

<div class="System-type">

<h1 class="site-title">Study Group</h1>

<small class="site-description">Stay Motivated and Study Hard</small>

</div>

</a>

<nav class="main-navigation">

<button class="menu-toggle"><i class="fa fa-bars"></i></button>

<ul class="menu">

<li class="home menu-item current-menu-item"><a href="index.aspx"><img src="images/home-icon.png" alt="Home"></a></li>

<li class="menu-item"><a href="aboutus.aspx">About</a></li>

<li class="menu-item"><a href="services.aspx">Services</a></li>

<!-- <li class="menu-item"><a href="signup.html">Sign Up</a></li>-->

<li class="menu-item"><a href="lgin.aspx">Sign In</a></li>

<li class="menu-item"><a href="contactus.aspx">Contact</a></li>

</ul>

</nav>

<div class="mobile-navigation"></div>

</div>

</div>

</header>

<div class="page-head" data-bg-image="images/studyingpic.jpg">

<div class="container">

<h2 class="page-title">Contact</h2>

<small>You can contact us.. </small>

</div>

</div>

<main class="main-content">

<div class="fullwidth-block">

<div class="container">

<div class="row">

<div class="col-md-4">

<div class="boxed-content">

<h2 class="section-title">Address</h2>

<address>

<p>University of Moratuwa</p>

<p>Sri lanka</p>

</address>

</div>

</div>

<div class="col-md-4">

<div class="boxed-content">

<h2 class="section-title">Telephone </h2>

<p><strong>Office:</strong> 011 1234567</p>

<p><strong>Support:</strong> +94778812922</p>

</div>

</div>

<div class="col-md-4">

<div class="boxed-content">

<h2 class="section-title">Email</h2>

<p><strong>Office:</strong> indunilm76@gmail.com</p>

</div>

</div>

</div>

<div class="row contact-form">

<form action="#">

<div class="col-md-4">

<p> <asp:TextBox ID="TextBoxSenderName" runat="server" placeholder="Your name..." ></asp:TextBox></p>

<p> <asp:TextBox ID="TextBoxSenderEmail" runat="server" placeholder="Email..." ></asp:TextBox> </p>

</div>

<div class="col-md-8">

<p>

<asp:TextBox id="TextAreaMessage" TextMode="multiline" Columns="50" Rows="5" runat="server" placeholder="feedback Message" />

</p>

<p class="text-right">

<asp:Button ID="ButtonSendMessage" runat="server" Text="Send message" OnClick="ButtonSendMessage\_Click1" />

</p>

</div>

</form>

</div>

</div>

</div>

<div class="fullwidth-block" data-bg-color="#edf2f4">

<div class="container">

</div>

</div>

</main> <!-- .main-content -->

</div>

<script src="js/jquery-1.11.1.min.js"></script>

<script type="text/javascript" src="http://maps.google.com/maps/api/js?sensor=false&amp;language=en"></script>

<script src="js/plugins.js"></script>

<script src="js/app.js"></script>

</form>

</body>

</html>

Contactusaspx.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using System.Data.SqlClient;

using System.Configuration;

using System.Net;

using System.Net.Mail;

namespace Study\_Groups\_interim

{

public partial class contactus : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void ButtonSendMessage\_Click(object sender, EventArgs e)

{

}

protected void ButtonSendMessage\_Click1(object sender, EventArgs e)

{

try

{

//algorithum for globle user identifier

//Guid newGUID = Guid.NewGuid();

SqlConnection con = new SqlConnection(ConfigurationManager.ConnectionStrings["Study GroupsConnectionString3"].ConnectionString);

con.Open();

String userinsertquary = "insert into Feedbacks (FeedbackMessage,SenderName,SenderEmail) values (@FMSG,@SNM,@SNEML)";

SqlCommand com = new SqlCommand(userinsertquary, con);

com.Parameters.AddWithValue("@FMSG", TextAreaMessage.Text);

com.Parameters.AddWithValue("@SNM", TextBoxSenderName.Text);

com.Parameters.AddWithValue("@SNEML", TextBoxSenderEmail.Text);

com.ExecuteNonQuery();

Response.Write("Hariyata demma wede hari mcn");

con.Close();

//Response.Redirect("Manager.aspx");

// Send an email to me

try

{

SmtpClient client = new SmtpClient("smtp.gmail.com", 587);

client.EnableSsl = true;

client.DeliveryMethod = SmtpDeliveryMethod.Network;

client.UseDefaultCredentials = false;

client.Credentials = new NetworkCredential("indunilstudygroups@gmail.com", "Indunil56964");

MailMessage msgobj = new MailMessage();

msgobj.To.Add("indunilm76@gmail.com");

msgobj.From = new MailAddress("indunilstudygroups@gmail.com");

msgobj.Subject = TextBoxSenderName.Text;

msgobj.Body = TextAreaMessage.Text;

client.Send(msgobj);

ScriptManager.RegisterStartupScript(this, this.GetType(), "popup", "alert('message has been sent successfully');", true);

//Response.Write("message has been sent successfully");

}

catch (Exception ex)

{

Response.Write("Could not send the email" + ex.Message);

}

}

catch (Exception ex)

{

Response.Write("Error ekak insert karaddi poddak balanna " + ex.ToString());

}

}

}

PwdResetaspx

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="pwdReset.aspx.cs" Inherits="Study\_Groups\_interim.pwdReset" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Forgot Password</title>

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/normalize/5.0.0/normalize.min.css">

<link rel='stylesheet prefetch' href='http://maxcdn.bootstrapcdn.com/font-awesome/4.3.0/css/font-awesome.min.css'>

<link rel="stylesheet" href="css/formstyle.css">

</head>

<body>

<form id="form1" runat="server">

<div>

<div class="container">

<form>

<div class="row">

<h4>Reset P</h4>

<div class="input-group input-group-icon">

<asp:TextBox ID="TextBoxemail" runat="server" placeholder="Email Adress"></asp:TextBox>

<div class="input-icon"><i class="fa fa-envelope"></i></div>

</div>

</div>

<asp:Button ID="Buttonlogin" runat="server" Text="Send Reset Password Link" OnClick="Buttonlogin\_Click1" />

<br /> <br />

<input id="Reset1" type="reset" value="reset" />

<br /> <br />

<a href="lecregistation.aspx">lecturer sign up</a>&nbsp;&nbsp;&nbsp;&nbsp;

<a href="Studentregistation.aspx">Student sign up</a> &nbsp;&nbsp;&nbsp;&nbsp;

<a href="Studentregistation.aspx">Forgot Password</a>

</div>

<div class="row">

</div>

</div>

<script src='http://cdnjs.cloudflare.com/ajax/libs/jquery/2.1.3/jquery.min.js'></script>

<script src="js/formindex.js"></script>

</form>

</form>

PwdResetaspx.cs

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using System.Net;

using System.Net.Mail;

using System.Data.SqlClient;

using System.Configuration;

namespace Study\_Groups\_interim

{

public partial class pwdReset : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void Buttonlogin\_Click1(object sender, EventArgs e)

{

SqlConnection con = new SqlConnection(ConfigurationManager.ConnectionStrings["Study GroupsConnectionString"].ConnectionString);

con.Open();

String checkuser = "SELECT count(\*) FROM Users where email ='" + TextBoxemail.Text + "'";

SqlCommand com = new SqlCommand(checkuser, con);

int temp = Convert.ToInt32(com.ExecuteScalar().ToString());

if (temp != 0)

{

String getuseremail = "SELECT email from Users where email ='" + TextBoxemail.Text + "'";

SqlCommand useremail = new SqlCommand(getuseremail, con);

String usereml = useremail.ExecuteScalar().ToString().Replace(" ", "");

//Response.Write(usereml);

try

{

SmtpClient client = new SmtpClient("smtp.gmail.com", 587);

client.EnableSsl = true;

client.DeliveryMethod = SmtpDeliveryMethod.Network;

client.UseDefaultCredentials = false;

client.Credentials = new NetworkCredential("indunilstudygroups@gmail.com", "Indunil56964");

MailMessage msgobj = new MailMessage();

msgobj.To.Add(TextBoxemail.Text);

msgobj.From = new MailAddress("indunilstudygroups@gmail.com");

msgobj.Subject = " Password Reset link ";

msgobj.Body = " Use this email as user Name \n" + usereml+"\n http://localhost:52968/lecregistation.aspx";

client.Send(msgobj);

ScriptManager.RegisterStartupScript(this, this.GetType(), "popup", "alert('message has been sent successfully');", true);

//Response.Write("message has been sent successfully");

}

catch (Exception ex)

{

Response.Write("Could not send the email" + ex.Message);

}

}

}

}

}

**Database codes**

Codes for stored procedures

Insert in to User

USE [sample1]

GO

/\*\*\*\*\*\* Object: StoredProcedure [dbo].[spInsertUser] Script Date: 1/20/2018 1:02:22 PM \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

ALTER PROCEDURE [dbo].[spInsertUser]

@UserID nvarchar(50),

@NIC nvarchar(50),

@FirstName nvarchar(50),

@Lastname nvarchar(50),

@Password nvarchar(50),

@Location nvarchar(50),

@Email nvarchar(50)

AS

BEGIN

insert into [sample1].[dbo].[USER] (UserID,NIC,FirstName,Lastname,Password,Location,Email)

values(@UserID,@NIC,@FirstName,@Lastname,@Password,@Location,@Email)

END

Insert in to Student

USE [sample1]

GO

/\*\*\*\*\*\* Object: StoredProcedure [dbo].[spInsertStudent] Script Date: 1/20/2018 1:03:51 PM \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

ALTER PROCEDURE [dbo].[spInsertStudent]

@UserID nvarchar(50),

@Age nvarchar(50),

@Field nvarchar(50),

@SchoolName nvarchar(50)

AS

BEGIN

insert into [Study Groups].[dbo].[Student] (UserID,Age,Field,SchoolName)

values(@UserID,@Age,@Field,@SchoolName)

END

Insert in to lecturer

SE [sample1]

GO

/\*\*\*\*\*\* Object: StoredProcedure [dbo].[spInserlecturer] Script Date: 1/20/2018 1:05:54 PM \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

ALTER PROCEDURE [dbo].[spInserlecturer]

@UserID nvarchar(50),

@UniversityName nvarchar(50),

@Subject nvarchar(50)

AS

BEGIN

insert into [sample1].[dbo].[LECTURER] (UserID,UniversityName,Subject)

values(@UserID,@UniversityName,@Subject)

END

Dynamic search

USE [sample1]

GO

/\*\*\*\*\*\* Object: StoredProcedure [dbo].[spGetGroupField1] Script Date: 1/20/2018 1:04:19 PM \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

/\*\*\*\*\*\* Script for SelectTopNRows command from SSMS \*\*\*\*\*\*/

ALTER proc [dbo].[spGetGroupField1]

@term nvarchar(50)

as

begin

select Field

from [sample1].[dbo].[GROUP]

where Field like @term + '%'

End

Show existing groups

SE [sample1]

GO

/\*\*\*\*\*\* Object: StoredProcedure [dbo].[spGetGroupFieldAll] Script Date: 1/20/2018 1:05:12 PM \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

ALTER proc [dbo].[spGetGroupFieldAll]

as

begin

select Field

from [sample1].[dbo].[GROUP]

End

**Codes for android application**

Main Activity

package info.androidhive.loginandregistration.activity;

import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.TextView;

import java.util.HashMap;

import info.androidhive.loginandregistration.R;

import info.androidhive.loginandregistration.helper.SQLiteHandler;

import info.androidhive.loginandregistration.helper.SessionManager;

public class MainActivity extends Activity {

private SQLiteHandler db;

private SessionManager session;

@Override

public void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

TextView txtName = (TextView) findViewById(R.id.name);

TextView txtEmail = (TextView) findViewById(R.id.email);

Button btnLogout = (Button) findViewById(R.id.btnLogout);

Button btnnext = (Button) findViewById(R.id.btnNext);

// SqLite database handler

db = new SQLiteHandler(getApplicationContext());

// session manager

session = new SessionManager(getApplicationContext());

if (!session.isLoggedIn()) {

logoutUser();

}

// Fetching user details from SQLite

HashMap<String, String> user = db.getUserDetails();

String name = user.get("name");

String email = user.get("email");

// Displaying the user details on the screen

txtName.setText(name);

txtEmail.setText(email);

// Logout button click event

btnLogout.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

logoutUser();

}

});

btnnext.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

next();

}

}

/\*\*

\* Logging out the user. Will set isLoggedIn flag to false in shared

\* preferences Clears the user data from sqlite users table

\*/

public void logoutUser() {

session.setLogin(false);

db.deleteUsers();

// Launching the login activity

Intent intent = new Intent(MainActivity.this, LoginActivity.class);

startActivity(intent);

finish();

}

public void next() {

Intent intent = new Intent(MainActivity.this, HomePage.class);

startActivity(intent);

finish();}}

**Login activity**

package info.androidhive.loginandregistration.activity;

import android.app.Activity;

import android.app.ProgressDialog;

import android.content.Intent;

import android.os.Bundle;

import android.util.Log;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

import com.android.volley.Request.Method;

import com.android.volley.Response;

import com.android.volley.VolleyError;

import com.android.volley.toolbox.StringRequest;

import org.json.JSONException;

import org.json.JSONObject;

import java.util.HashMap;

import java.util.Map;

import info.androidhive.loginandregistration.R;

import info.androidhive.loginandregistration.app.AppConfig;

import info.androidhive.loginandregistration.app.AppController;

import info.androidhive.loginandregistration.helper.SQLiteHandler;

import info.androidhive.loginandregistration.helper.SessionManager;

public class LoginActivity extends Activity {

private static final String TAG = RegisterActivity.class.getSimpleName();

public Button btnLogin;

public Button btnLinkToRegister;

private EditText inputEmail;

private EditText inputPassword;

private ProgressDialog pDialog;

private SessionManager session;

private SQLiteHandler db;

@Override

public void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_login);

inputEmail = (EditText) findViewById(R.id.email);

inputPassword = (EditText) findViewById(R.id.password);

btnLogin = (Button) findViewById(R.id.btnLogin);

btnLinkToRegister = (Button) findViewById(R.id.btnLinkToRegisterScreen);

// Progress dialog

pDialog = new ProgressDialog(this);

pDialog.setCancelable(false);

// SQLite database handler

db = new SQLiteHandler(getApplicationContext());

// Session manager

session = new SessionManager(getApplicationContext());

// Check if user is already logged in or not

if (session.isLoggedIn()) {

// User is already logged in. Take him to main activity

Intent intent = new Intent(LoginActivity.this, MainActivity.class);

startActivity(intent);

finish();

}

// Login button Click Event

btnLogin.setOnClickListener(new View.OnClickListener() {

public void onClick(View view) {

String email = inputEmail.getText().toString().trim();

String password = inputPassword.getText().toString().trim();

// Check for empty data in the form

if (!email.isEmpty() && !password.isEmpty()) {

// login user

checkLogin(email, password);

} else {

// Prompt user to enter credentials

Toast.makeText(getApplicationContext(),

"Please enter the credentials!", Toast.LENGTH\_LONG)

.show();

}

}

});

// Link to Register Screen

btnLinkToRegister.setOnClickListener(new View.OnClickListener() {

public void onClick(View view) {

Intent i = new Intent(getApplicationContext(),

RegisterActivity.class);

startActivity(i);

finish();

}

});

}

// function to verify login details in mysql db

private void checkLogin(final String email, final String password) {

// Tag used to cancel the request

String tag\_string\_req = "req\_login";

pDialog.setMessage("Logging in ...");

showDialog();

StringRequest strReq = new StringRequest(Method.POST,

AppConfig.URL\_LOGIN, new Response.Listener<String>() {

@Override

public void onResponse(String response) {

Log.d(TAG, "Login Response: " + response.toString());

hideDialog();

try {

JSONObject jObj = new JSONObject(response);

boolean error = jObj.getBoolean("error");

// Check for error node in json

if (!error) {

// user successfully logged in

// Create login session

session.setLogin(true);

// Now store the user in SQLite

String uid = jObj.getString("uid");

JSONObject user = jObj.getJSONObject("user");

String name = user.getString("name");

String email = user.getString("email");

String created\_at = user.getString("created\_at");

// Inserting row in users table

db.addUser(name, name, email, name, email, uid,created\_at);

// main activity

Intent intent = new Intent(LoginActivity.this,

MainActivity.class);

startActivity(intent);

finish();

} else {

// Error in login. Get the error message

String errorMsg = jObj.getString("error\_msg");

Toast.makeText(getApplicationContext(),

errorMsg, Toast.LENGTH\_LONG).show();

}

} catch (JSONException e) {

// JSON error

e.printStackTrace();

Toast.makeText(getApplicationContext(), "Json error: " + e.getMessage(), Toast.LENGTH\_LONG).show();

}

}

}, new Response.ErrorListener()

@Override

public void onErrorResponse(VolleyError error) {

Log.e(TAG, "Login Error: " + error.getMessage());

Toast.makeText(getApplicationContext(),

error.getMessage(), Toast.LENGTH\_LONG).show();

hideDialog();

}

}) {

@Override

protected Map<String, String> getParams() {

// Posting parameters to login url

Map<String, String> params = new HashMap<String, String>();

params.put("email", email);

params.put("password", password);

return params;

}

};

// Adding request to request queue

AppController.getInstance().addToRequestQueue(strReq, tag\_string\_req);

}

private void showDialog() {

if (!pDialog.isShowing())

pDialog.show();

}

private void hideDialog() {

if (pDialog.isShowing())

pDialog.dismiss();

}

}

**Create group activity**

package info.androidhive.loginandregistration.activity;

import android.app.Activity;

import android.app.ProgressDialog;

import android.content.Intent;

import android.os.Bundle;

import android.util.Log;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

import com.android.volley.Request.Method;

import com.android.volley.Response;

import com.android.volley.VolleyError;

import com.android.volley.toolbox.StringRequest;

import org.json.JSONException;

import org.json.JSONObject;

import java.util.HashMap;

import java.util.Map;

import info.androidhive.loginandregistration.R;

import info.androidhive.loginandregistration.app.AppConfig;

import info.androidhive.loginandregistration.app.AppController;

import info.androidhive.loginandregistration.helper.SQLiteHandler;

import info.androidhive.loginandregistration.helper.SessionManager;

public class CreateGroupActivity extends Activity {

private static final String TAG = RegisterActivity.class.getSimpleName();

private Button btncreateGroup;

private Button btnBack;

private EditText inputName;

private EditText inputEmail;

private EditText inputGroupName;

private EditText inputUniversity;

private EditText inputSubject;

private EditText inputGrpPassword;

private ProgressDialog pDialog;

private SessionManager session;

private SQLiteHandler db;

@Override

public void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activitygroupcreation);

inputName = (EditText) findViewById(R.id.editGrpCreName);

inputEmail = (EditText) findViewById(R.id.editEmails);

inputGroupName = (EditText) findViewById(R.id.editTextGroupName);

inputUniversity = (EditText) findViewById(R.id.editTextUniversity);

inputSubject = (EditText) findViewById(R.id.editTextSubject);

inputGrpPassword = (EditText) findViewById(R.id.editTextGrpPW);

btncreateGroup = (Button) findViewById(R.id.buttoncreateGroup);

btnBack = (Button) findViewById(R.id.buttonBack);

// Progress dialog

pDialog = new ProgressDialog(this);

pDialog.setCancelable(false);

// Session manager

session = new SessionManager(getApplicationContext());

// SQLite database handler

db = new SQLiteHandler(getApplicationContext());

// create group Button Click event

btncreateGroup.setOnClickListener(new View.OnClickListener()

{

public void onClick(View view) {

String name = inputName.getText().toString().trim();

String email = inputEmail.getText().toString().trim();

String group\_name = inputGroupName.getText().toString().trim();

String university = inputUniversity.getText().toString().trim();

String subject = inputSubject.getText().toString().trim();

String password = inputGrpPassword.getText().toString().trim();

if (!name.isEmpty() && !email.isEmpty() && !group\_name.isEmpty() && !university.isEmpty() && !subject.isEmpty() && !password.isEmpty()) {

Group(name, email, group\_name, university, subject, password);

} else {

Toast.makeText(getApplicationContext(),

"Please enter your details!", Toast.LENGTH\_LONG)

.show();

}

}

});

// Back button click event

btnBack.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Back();

}

});

}

public void Back() {

// Launching the login activity

Intent intent = new Intent(CreateGroupActivity.this, MainActivity.class);

startActivity(intent);

finish();

}

/\*\*

\* Function to store user in MySQL database will post params(tag, name,

\* email, password) to register url

\*/

private void Group(final String name, final String email, final String group\_name, final String university, final String subject,

final String password) {

// Tag used to cancel the request

String tag\_string\_req = "req\_register";

pDialog.setMessage("Creating ...");

showDialog();

StringRequest strReq = new StringRequest(Method.POST,

AppConfig.URL\_GroupCreation , new Response.Listener<String>()

{

@Override

public void onResponse(String response) {

Log.d(TAG, "Croup Create: " + response.toString());

hideDialog();

try {

JSONObject jObj = new JSONObject(response);

boolean error = jObj.getBoolean("error");

if (!error) {

// groupsuccessfully stored in MySQL

// Now store the user in sqlite

String gid = jObj.getString("gid");

JSONObject group = jObj.getJSONObject("group");

String Name = group.getString("name");

String Email = group.getString("email");

String group\_name = group.getString("group name");

String University= group.getString("University");

String Subject = group.getString("subject");

String GroupPassword = group.getString("password");

// Inserting row in users table

db.addGroup(Name ,Email, group\_name, University,Subject,GroupPassword);

Toast.makeText(getApplicationContext(), "User successfully registered.!", Toast.LENGTH\_LONG).show();

// Launch login activity

Intent intent = new Intent(

CreateGroupActivity.this,MainActivity.class);

startActivity(intent);

finish();

} else {

// Error occurred in registration. Get the error

// message

String errorMsg = jObj.getString("error\_msg");

Toast.makeText(getApplicationContext(),

errorMsg, Toast.LENGTH\_LONG).show();

}

} catch (JSONException e) {

e.printStackTrace();

}

}

}, new Response.ErrorListener() {

@Override

public void onErrorResponse(VolleyError error) {

Log.e(TAG, " Error: " + error.getMessage());

Toast.makeText(getApplicationContext(),

error.getMessage(), Toast.LENGTH\_LONG).show();

hideDialog();

}

}) {

@Override

protected Map<String, String> getParams() {

// Posting params to group creation url

Map<String, String> params = new HashMap<String, String>();

params.put("name", name);

params.put("email", email);

params.put("groupName", group\_name);

params.put("University", university);

params.put("subject", subject);

params.put("password", password);

return params;

}

};

// Adding request to request queue

AppController.getInstance().addToRequestQueue(strReq, tag\_string\_req);

}

private void showDialog() {

if (!pDialog.isShowing())

pDialog.show();

}

private void hideDialog() {

if (pDialog.isShowing())

pDialog.dismiss();

}

}

**Existing group acitivity**

package info.androidhive.loginandregistration.activity;

/\*\*

\* Created by Madu Rajapaksha on 12/9/2017.

\*/

import android.app.ProgressDialog;

import android.content.Intent;

import android.graphics.Bitmap;

import android.graphics.Camera;

import android.net.Uri;

import android.provider.MediaStore;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.util.Base64;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.ImageView;

import android.widget.Toast;

import com.android.volley.AuthFailureError;

import com.android.volley.Request;

import com.android.volley.RequestQueue;

import com.android.volley.Response;

import com.android.volley.VolleyError;

import com.android.volley.toolbox.StringRequest;

import com.android.volley.toolbox.Volley;

import com.kosalgeek.android.photoutil.CameraPhoto;

import java.io.ByteArrayOutputStream;

import java.io.IOException;

import java.util.HashMap;

import java.util.Map;

import info.androidhive.loginandregistration.R;

public class ExistingGroupActivity extends AppCompatActivity {

ImageView image;

int PICK\_IMAGE\_REQUEST = 111;

int PICK\_PDF\_REQUEST = 123;

String URL ="http://192.168.1.101/JavaRESTfullWS/DemoService/upload";

Bitmap bitmap;

ProgressDialog progressDialog;

ImageView ivCamara,ivGallary,ivUpload;

CameraPhoto cameraPhoto;

final int CAMERA\_REQUEST = 13323;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_upload\_image);

cameraPhoto = new CameraPhoto(getApplicationContext());

ivCamara = (ImageView)findViewById(R.id.ivCamara);

ivGallary = (ImageView)findViewById(R.id.ivGallary);

ivUpload = (ImageView)findViewById(R.id.ivUpload);

image = (ImageView)findViewById(R.id.image);

// Button choose = (Button)findViewById(R.id.choose);

// Button upload = (Button)findViewById(R.id.upload);

Button back = (Button)findViewById(R.id.buttonBack);

EditText pdf\_Name = (EditText) findViewById(R.id.pdfName);

Button pdf\_select = (Button)findViewById(R.id.pdfSelect);

Button pdf\_upload = (Button)findViewById(R.id.pdfUpload);

cameraPhoto = new CameraPhoto(getApplicationContext());

ivCamara.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

try {

startActivityForResult(cameraPhoto.takePhotoIntent(), CAMERA\_REQUEST);

} catch (IOException e) {

e.printStackTrace();

Toast.makeText(getApplicationContext(), "Somthing Wrong while taking photos", Toast.LENGTH\_SHORT).show();

}

}

});

//opening image chooser option

ivGallary.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Intent intent = new Intent();

intent.setType("image/\*");

intent.setAction(Intent.ACTION\_PICK);

startActivityForResult(Intent.createChooser(intent, "Select Image"), PICK\_IMAGE\_REQUEST);

}

});

ivUpload.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

progressDialog = new ProgressDialog(ExistingGroupActivity .this);

progressDialog.setMessage("Uploading, please wait...");

progressDialog.show();

//converting image to base64 string

ByteArrayOutputStream baos = new ByteArrayOutputStream();

bitmap.compress(Bitmap.CompressFormat.JPEG, 100, baos);

byte[] imageBytes = baos.toByteArray();

final String imageString = Base64.encodeToString(imageBytes, Base64.DEFAULT);

//sending image to server

StringRequest request = new StringRequest(Request.Method.POST, URL, new Response.Listener<String>(){

@Override

public void onResponse(String s) {

if(s.equals("true")){

Toast.makeText(ExistingGroupActivity .this, "Uploaded Successful", Toast.LENGTH\_LONG).show();

}

else{

Toast.makeText(ExistingGroupActivity .this, "Some error occurred!", Toast.LENGTH\_LONG).show();

}

hideDialog();

}

},new Response.ErrorListener(){

@Override

public void onErrorResponse(VolleyError volleyError) {

Toast.makeText(ExistingGroupActivity .this, "Some error occurred -> "+volleyError, Toast.LENGTH\_LONG).show();

hideDialog();

}

}) {

//adding parameters to send

@Override

protected Map<String, String> getParams() throws AuthFailureError {

Map<String, String> parameters = new HashMap<String, String>();

parameters.put("image", imageString);

return parameters;

}

};

RequestQueue rQueue = Volley.newRequestQueue(ExistingGroupActivity .this)’

rQueue.add(request);

}

});

back.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Back();

}

});

pdf\_select.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Intent intent = new Intent();

intent.setType("application/pdf");

intent.setAction(Intent.ACTION\_GET\_CONTENT);

startActivityForResult(Intent.createChooser(intent, "Select Pdf"), PICK\_PDF\_REQUEST);

}

});

pdf\_upload.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

progressDialog = new ProgressDialog(ExistingGroupActivity .this);

progressDialog.setMessage("Uploading, please wait...");

progressDialog.show();

//converting image to base64 string

ByteArrayOutputStream baos = new ByteArrayOutputStream();

bitmap.compress(Bitmap.CompressFormat.JPEG, 100, baos);

byte[] imageBytes = baos.toByteArray();

final String imageString = Base64.encodeToString(imageBytes, Base64.DEFAULT);

//sending image to server

StringRequest request = new StringRequest(Request.Method.POST, URL, new Response.Listener<String>(){

@Override

public void onResponse(String s) {

if(s.equals("true")){

Toast.makeText(ExistingGroupActivity .this, "Uploaded Successful", Toast.LENGTH\_LONG).show();

}

else{

Toast.makeText(ExistingGroupActivity .this, "Some error occurred!", Toast.LENGTH\_LONG).show();

}

hideDialog();

}

},new Response.ErrorListener(){

@Override

public void onErrorResponse(VolleyError volleyError) {

Toast.makeText(ExistingGroupActivity .this, "Some error occurred -> "+volleyError, Toast.LENGTH\_LONG).show();

hideDialog();

}

}) {

//adding parameters to send

@Override

protected Map<String, String> getParams() throws AuthFailureError {

Map<String, String> parameters = new HashMap<String, String>();

parameters.put("image", imageString);

return parameters;

}

};

RequestQueue rQueue = Volley.newRequestQueue(ExistingGroupActivity .this);

rQueue.add(request);

}

});

//upload.setOnClickListener( new View.OnClickListener(){

// @Override

// public void onClick(View v){

// }

// });

}

//Edited Part

//Finish

public void Back() {

// Launching the login activity

Intent intent = new Intent(ExistingGroupActivity .this, MainActivity.class);

startActivity(intent);

finish();

}

@Override

protected void onActivityResult(int requestCode, int resultCode, Intent data) {

super.onActivityResult(requestCode, resultCode, data);

if (requestCode == PICK\_IMAGE\_REQUEST && resultCode == RESULT\_OK && data != null && data.getData() != null) {

Uri filePath = data.getData();

try {

//getting image from gallery

bitmap = MediaStore.Images.Media.getBitmap(getContentResolver(), filePath);

//Setting image to ImageView

image.setImageBitmap(bitmap);

} catch (Exception e) {

e.printStackTrace();

}

}

}

private void showDialog() {

if (!progressDialog.isShowing())

progressDialog.show();

}

private void hideDialog() {

if (progressDialog.isShowing())

progressDialog.dismiss();

}}

**Fragment Select Group**

package info.androidhive.loginandregistration.activity;

import android.content.Context;

import android.content.Intent;

import android.net.Uri;

import android.os.Bundle;

import android.support.v4.app.Fragment;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import android.widget.Button;

import info.androidhive.loginandregistration.ActivityDisplayGroup;

import info.androidhive.loginandregistration.R;

public class FragmentCreateGroup extends Fragment {

Button button;

@Override

public View onCreateView(LayoutInflater inflater, ViewGroup container,

Bundle savedInstanceState) {

View v = inflater.inflate(R.layout.fragment\_fragment\_create\_group, container, false);

button = (Button)v.findViewById(R.id.buttoncreateGroup);

return v;

}

}