

COS210

by Aung Tun Lin

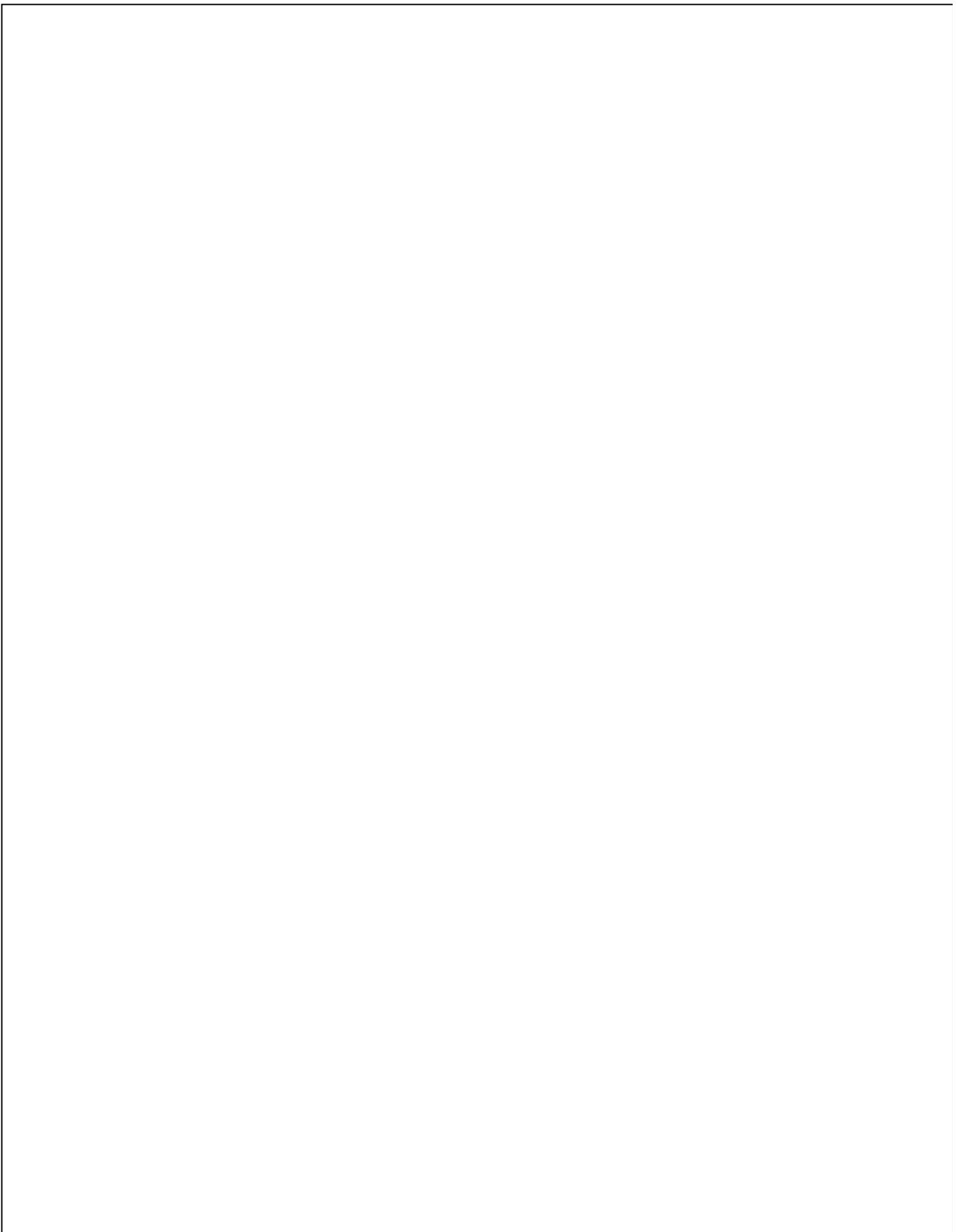
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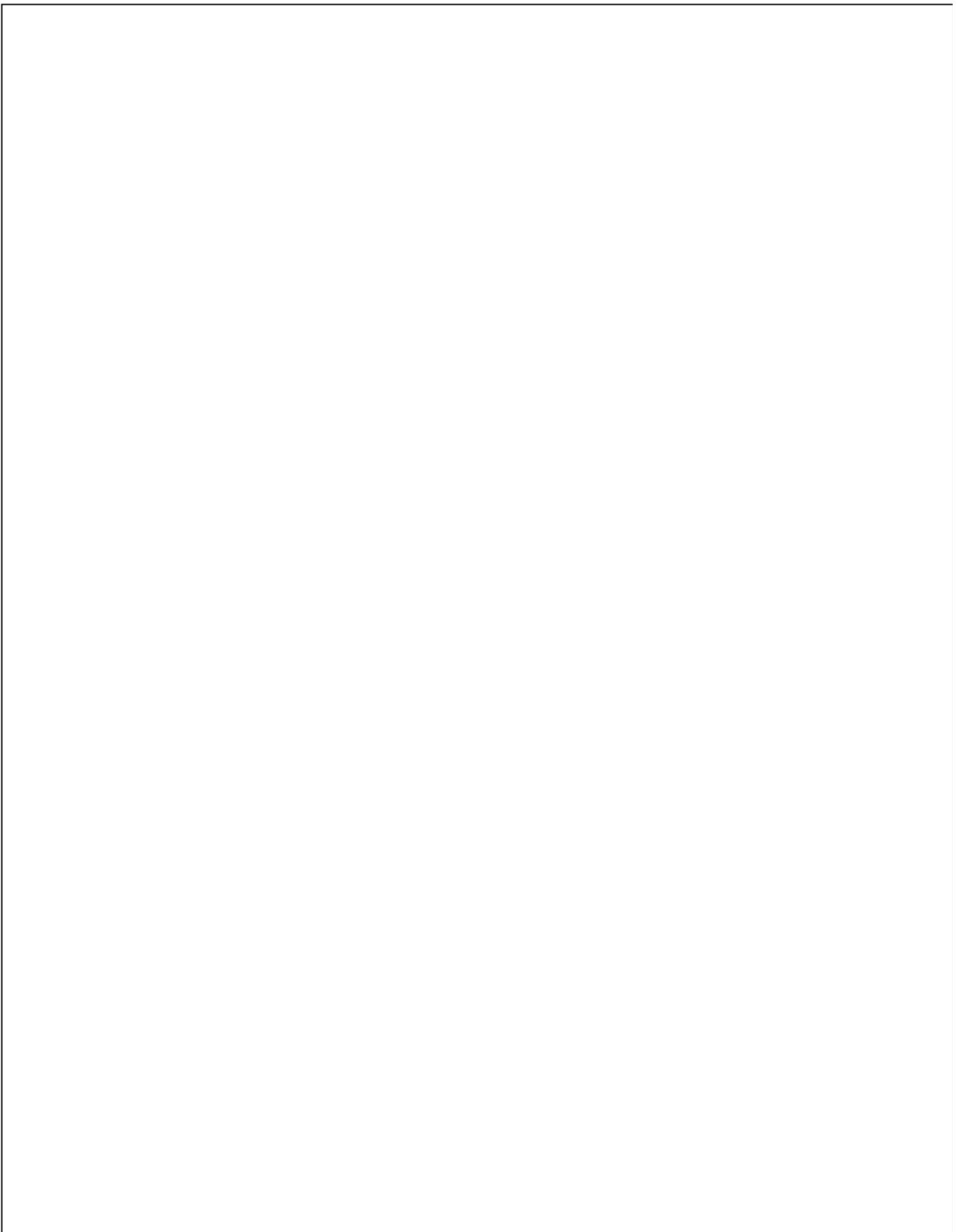
Submission ID: 1923322685

File name: COS210AungTunLinAssignment.docx (26.16M)

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Short Summary on Fitness Gym

Regular exercise encourages health and wellbeing. Youth who exercise regularly have better muscular growth, bone strength, weight management, mental wellness, and academic success. Children who participate in regular physical activity are more likely to maintain active lives into adulthood and are less likely to acquire risk factors for chronic illnesses like heart disease and type 2 diabetes than those who do not. Physical fitness is a state of being that correlates with both current and long-term health outcomes and represents a person's capacity for doing particular tasks or activities. Youth fitness testing has developed into a well-established institution in school physical education programs over the past 50 years, despite the fact that the fitness components tested and the individual test items included in protocols have varied significantly among test batteries and over time. 2012. Youth Health Outcomes and Fitness Measures.

In this Application, we examine how technology may (and does) make it easier to exercise at Gym, how it can inspire individuals to start and maintain an active lifestyle, and how it can be successful in producing outcomes (such as improved strength and balance).

Member Registration Form

Member ID	(→)
Member Name	(←)
Password	(→)
Contact Number	(←)
Email	(→)
Address	(←)
Date of Birth	(→)
Have you ever joined	(←)
Height	(→)
Weight	(←)
Health issues	(→)
Fees	(←)

Gym Forms firmly think that submitting your forms online (as Web Forms) is the most effective and ecologically responsible course of action. Gym registration forms are soft copies paperwork that will gather the necessary data from a person who wants to utilize the gym. His basic information such as Name, Password, Contact Number, Email, Address, Date of birth, experience, height, weight and chosen payment method, and the schedule of gym classes he/she chooses to use are among the details that the Gym registrant or Member will reveal. Additionally, some gyms will also keep records of pertinent medical information on their members or registered gym-goers in order to understand the limitations or restrictions of the members. Gym Forms assist anybody working in the fitness business, including gym owners, fitness instructors and Admin.

<u>What Does Admin Do?</u>	→	Access of Database
 <u>Member</u>	→	View, Search, Update, Delete
 <u>Class</u>	→	View, Search, Insert, Update, Delete
 <u>Trainer</u>	→	View, Search, Insert, Update, Delete
 <u>Staff</u>	→	View, Search, Insert, Update, Delete
 <u>Enrollment</u>	→	View, Search, Update, Delete

Database Design

User Admin Table Database

The screenshot shows the 'Design' tab of the SQL Server Management Studio (SSMS) for a table named 'UserAdmin'. The table has two columns: 'Username' (nvarchar(50)) and 'Password' (nvarchar(50)). The 'Allow Nulls' column for 'Username' is checked, while for 'Password' it is unchecked. The 'Default' column is empty for both. Below the table definition, the T-SQL script for creating the table is visible.

Name	Data Type	Allow Nulls	Default
Username	nvarchar(50)	<input checked="" type="checkbox"/>	
Password	nvarchar(50)	<input type="checkbox"/>	

CREATE TABLE [dbo].[UserAdmin] ([Username] nvarchar(50) NULL, [Password] nvarchar(50) NOT NULL)

In this database table, Open Table Definition consists of two Dataset name Username and Password consisting of nvarchar (50) Data type.

The screenshot shows the data grid view of the 'UserAdmin' table. It contains four rows of data: Eva (password 92022), Miachel (password 82022), John (password 72022), and Rocky (password 62022). The last row is a placeholder with NULL values for both columns.

	Username	Password
Eva	92022	
Miachel	82022	
John	72022	
Rocky	62022	
NULL	NULL	

Member Table Database

The screenshot shows the 'Design' tab of the SQL Server Management Studio (SSMS) for a table named 'Member'. The table has 14 columns: MID (primary key, auto-increment), MName (nchar(20)), PGuard (nchar(50)), CNumber (nchar(50)), Email (nchar(50)), Address (nchar(50)), Gender (nchar(50)), DOB (nchar(50)), Height (nchar(50)), Weight (nchar(50)), MJoin (nchar(50)), MCCondition (nchar(50)), Duration (nchar(500)), Costs (nchar(50)), and MPASSWORD (nchar(50)). The 'Allow Nulls' column for MID is checked, while for all other columns it is unchecked. The 'Default' column is empty for all columns. Below the table definition, the T-SQL script for creating the table is visible.

Name	Data Type	Allow Nulls	Default
MID	nchar(20)	<input checked="" type="checkbox"/>	
MName	nchar(50)	<input type="checkbox"/>	
PGuard	nchar(50)	<input type="checkbox"/>	
CNumber	nchar(50)	<input type="checkbox"/>	
Email	nchar(50)	<input type="checkbox"/>	
Address	nchar(50)	<input type="checkbox"/>	
Gender	nchar(50)	<input type="checkbox"/>	
DOB	nchar(50)	<input type="checkbox"/>	
Height	nchar(50)	<input type="checkbox"/>	
Weight	nchar(50)	<input type="checkbox"/>	
MJoin	nchar(50)	<input type="checkbox"/>	
MCCondition	nchar(50)	<input type="checkbox"/>	
Duration	nchar(500)	<input type="checkbox"/>	
Costs	nchar(50)	<input type="checkbox"/>	
MPASSWORD	nchar(50)	<input type="checkbox"/>	

CREATE TABLE [dbo].[Member] ([MID] nchar(20) IDENTITY(1,1) PRIMARY KEY, [MName] nchar(50) NOT NULL, [PGuard] nchar(50) NOT NULL, [CNumber] nchar(50) NOT NULL, [Email] nchar(50) NOT NULL, [Address] nchar(50) NOT NULL, [Gender] nchar(50) NOT NULL, [DOB] nchar(50) NOT NULL, [Height] nchar(50) NOT NULL, [Weight] nchar(50) NOT NULL, [MJoin] nchar(50) NOT NULL, [MCCondition] nchar(50) NOT NULL, [Duration] nchar(500) NOT NULL, [Costs] nchar(50) NOT NULL, [MPASSWORD] nchar(50) NOT NULL)

In this database table open definition Consists of ID, Name, Parent Guardian, Contact number, email, address, gender, DOB, Height, Weight, Joining Experience, Condition, Duration, Costs and Passwords with the nvarchar data type. The primary key is also set for the MID for the auto increment and the decrement

	MID	MName	PGuard	CNumber	Email	Address	Gender	DOB	Height	Weight
1	AungKyaw	mother	098745126	kuos@gmail.co...	mmon	Male	Friday, October...	149.86 cm	120-130kg	
2	Bahf	mother	0978456324	badi@gmail.co...	unghr	Female	Thursday, Octo...	162.56 cm	90-100kg	
3	MyoAung	mother	+9587415634	aung@gmail.co...	Mandalay	Male	Wednesday, Oct...	144.78 cm	150kg and abo...	
4	Myouraf	mother	+9847562135	aungko@gmail.c...	miagr	Male	Wednesday, Oct...	162.56 cm	130-140kg	
5	MyoAung	Mother	9987548657	sfdghj@gmail.c...	djik	Male	Sunday, Octob...	172.72 cm	80-90kg	
6	TeacherEl	Mother	99874154866	libunty525@g...	Mya Khin	Female	Wednesday, Ju...	170.18 cm	60-70kg	
7	Minglar	Mother	9841854199	Khushbeers45...	MayMyo	Male	Tuesday, June 1...	172.72 cm	70-80kg	
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Weight	MJoin	MCondition	Duration	Costs	MPassword
120-130kg	No	others	9:00Am-12:00P...	\$999/year*5% ...	Char@157
90-100kg	Confidential	others	5:00Pm-8:00P...	\$999/year*5% ...	Lo@5421
150kg and abo...	Confidential	others	1:00Pm-5:00P...	\$999/year*5% ...	W2@09871f
130-140kg	No	others	1:00Pm-5:00P...	\$300/semiyearl...	A@52hhfsd
80-90kg	No	Cancer(Leukemia)	12:00Pm-1:00P...	\$300/semiyearl...	Cha@87#54
60-70kg	No	Cancer(Leukemia)	1:00Pm-5:00P...	\$999/year*5% ...	P125487@jhk
70-80kg	No	Disable	1:00Pm-5:00P...	\$999/year*5% ...	P@587kjm
NULL	NULL	NULL	NULL	NULL	NULL

This data table consists of data taking place in the Dataset shown in the snap shot.

Trainer Table Database

Name	Data Type	Allow Nulls	Default
TrID	nchar(50)	<input checked="" type="checkbox"/>	
TrainerName	nvarchar(50)	<input checked="" type="checkbox"/>	
e (Ctrl+F4) TrainerAddress	nvarchar(50)	<input checked="" type="checkbox"/>	
TrainerPhone	nvarchar(50)	<input checked="" type="checkbox"/>	
TrainerGmail	nvarchar(50)	<input checked="" type="checkbox"/>	
TrainerGender	nvarchar(50)	<input checked="" type="checkbox"/>	
TrainerClass	nvarchar(50)	<input checked="" type="checkbox"/>	
TrainerHeight	nvarchar(50)	<input checked="" type="checkbox"/>	
TrainerWeight	nvarchar(50)	<input checked="" type="checkbox"/>	
TrainerDOB	nvarchar(50)	<input checked="" type="checkbox"/>	
TrainerExperience	nvarchar(50)	<input checked="" type="checkbox"/>	
TrainerDuration	nvarchar(500)	<input checked="" type="checkbox"/>	


```
CREATE TABLE [dbo].[Trainer] (
[TrID] [nchar] (50) NOT NULL,
[TrainerName] [nvarchar] (50) NULL,
[TrainerAddress] [nvarchar] (50) NULL,
[TrainerPhone] [nvarchar] (50) NULL,
[TrainerGmail] [nvarchar] (50) NULL,
[TrainerGender] [nvarchar] (50) NULL,
[TrainerClass] [nvarchar] (50) NULL,
[TrainerHeight] [nvarchar] (50) NULL,
[TrainerWeight] [nvarchar] (50) NULL,
[TrainerDOB] [nvarchar] (50) NULL,
[TrainerExperience] [nvarchar] (500) NULL,
[TrainerDuration] [nvarchar] (500) NULL,
PRIMARY KEY CLUSTERED ([TrID] ASC)
)
```

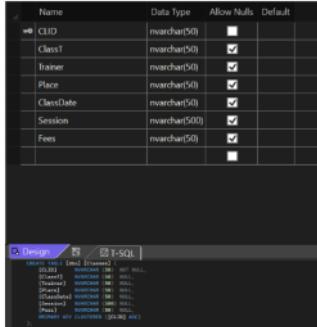
In this database Table Open definition, Consists of Trainer ID, Name, Address, Phone number, Gmail, Gender, Class, Height, Weight, DOB, Experience and Duration with nvarchar data type. Trainer ID is also set for its primary key for its increment operation and decrement operation.

Stop (Alt+Break)	TrainerName	TrainerAddress	TrainerPhone	TrainerGmail	TrainerGender	TrainerClass	TrainerHeight	TrainerWeight	TrainerDOB
1	JohnCena	SouthAmerica	0987516354	Cenaman4@g...	Male	Gymnastics	168.05cm	150-200kg	Wednesday, De...
2	... SerinaWilliams	Asia	0856475219	williamSe33@g...	Female	Yoga	175.03cm	70-90kg	Monday, March...
3	... ZawAye	Bago	0985647217	Zaweye@gmail...	Male	Karate	190.50 cm	40-50kg	Tuesday, March...
4	... Muoenf	maymyo	9969096245	Muybg@gmail...	Male	Yoga	149.86 cm	90-100kg	Wednesday, Oc...
5	... Teachermoe	hijphio	9969096245	Myanmear@g...	Male	Zumba	144.78 cm	100-110kg	Saturday, Octo...
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

This data table consists of data taking place in the Dataset shown in the snap shot.

TrainerDOB	TrainerExperien...	TrainerDuration
Wednesday, De...	5years	12:00Pm-1:00P...
Monday, March...	4years	9:00Am-12:00P...
Tuesday, March...	6Years	5:00Pm-8:00P...
Wednesday, Oc...	13Years	5:00Pm-8:00P...
Saturday, Octo...	12Years	5:00Pm-8:00P...
NULL	NULL	NULL

Class Table Database



Name	Data Type	Allow Nulls	Default
CLID	nvarchar(50)	<input checked="" type="checkbox"/>	
ClassT	nvarchar(50)	<input checked="" type="checkbox"/>	
Trainer	nvarchar(50)	<input checked="" type="checkbox"/>	
Place	nvarchar(50)	<input checked="" type="checkbox"/>	
ClassDate	nvarchar(50)	<input checked="" type="checkbox"/>	
Session	nvarchar(50)	<input checked="" type="checkbox"/>	
Fees	nvarchar(50)	<input checked="" type="checkbox"/>	

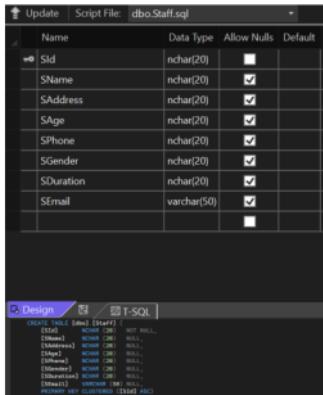
In this Database Table open definition, Consist of Class ID, Class Titles, Trainer, Place, Class Date, Session and Fees with the nvarchar data type. Class ID is also set for its primary key for its increment operation and decrement operation.



CLID	ClassT	Trainer	Place	ClassDate	Session	Fees
1	Zumba	John Cena	Center1	8/11/2022	Monday-Friday	500000
2	Walkover	Aung Aung	Ayawady	7/9/2022	Monday-Thurs...	900000
3	Yoga	Serena Williams	Australia	11/12/2022	Monday-Thurs...	800000
4	Wrestling	Myint	Bago	7/8/2018	Monday-Sunday	750000
NULL	NULL	NULL	NULL	NULL	NULL	NULL

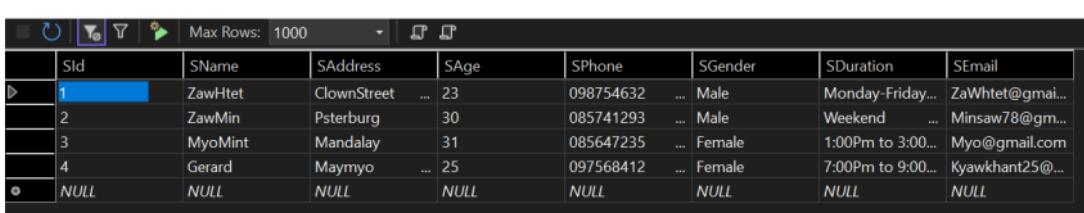
This data table consists of data taking place in the Dataset shown in the snap shot.

Staff Table Database



Name	Data Type	Allow Nulls	Default
SId	nchar(20)	<input checked="" type="checkbox"/>	
SName	nchar(20)	<input checked="" type="checkbox"/>	
SAddress	nchar(20)	<input checked="" type="checkbox"/>	
SAge	nchar(20)	<input checked="" type="checkbox"/>	
SPhone	nchar(20)	<input checked="" type="checkbox"/>	
SGender	nchar(20)	<input checked="" type="checkbox"/>	
SDuration	nchar(20)	<input checked="" type="checkbox"/>	
SEmail	varchar(50)	<input checked="" type="checkbox"/>	

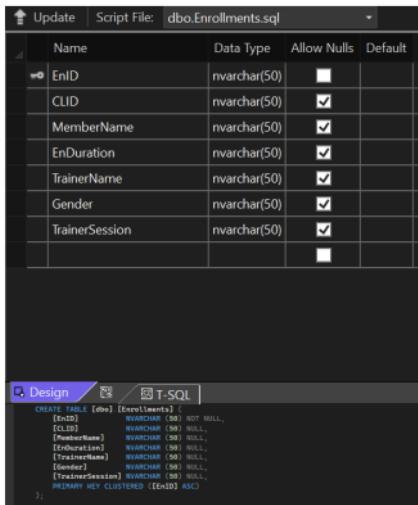
In this Database Table open Definition, consists of Staff ID, Name, Address, Age, Phone Number, Gender, Duration and Email with nvarchar and varchar datatype. Staff ID is also set for its primary key for auto increment and decrement operations



SId	SName	SAddress	SAge	SPhone	SGender	SDuration	SEmail
1	ZawHtet	ClownStreet	... 23	098754632	... Male	Monday-Friday...	ZaWhtet@gmai...
2	ZawMin	Psterburg	30	085741293	... Male	Weekend ...	Minsaw78@gm...
3	MyoMint	Mandalay	31	085647235	... Female	1:00Pm to 3:00...	Myo@gmail.com
4	Gerard	Maymyo	... 25	097568412	... Female	7:00Pm to 9:00...	Kyawkhant25@...
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

This data table consists of data taking place in the Dataset shown in the snap shot.

Enrollment Table Database



The screenshot shows the 'Design' tab of the SQL Server Management Studio (SSMS) object explorer. It displays the structure of the 'Enrollments' table. The table has eight columns: EnID, CLID, MemberName, EnDuration, TrainerName, Gender, and TrainerSession. All columns are of type nvarchar(50) and allow null values. The primary key is defined as EnID ASC. Below the table structure, the T-SQL script for creating the table is visible.

Name	Data Type	Allow Nulls	Default
EnID	nvarchar(50)	<input checked="" type="checkbox"/>	
CLID	nvarchar(50)	<input checked="" type="checkbox"/>	
MemberName	nvarchar(50)	<input checked="" type="checkbox"/>	
EnDuration	nvarchar(50)	<input checked="" type="checkbox"/>	
TrainerName	nvarchar(50)	<input checked="" type="checkbox"/>	
Gender	nvarchar(50)	<input checked="" type="checkbox"/>	
TrainerSession	nvarchar(50)	<input checked="" type="checkbox"/>	

```
CREATE TABLE [dbo].[Enrollments]
(
[EnID] NVARCHAR(50) NOT NULL,
[CLID] NVARCHAR(50) NULL,
[MemberName] NVARCHAR(50) NULL,
[EnDuration] NVARCHAR(50) NULL,
[TrainerName] NVARCHAR(50) NULL,
[Gender] NVARCHAR(50) NULL,
[TrainerSession] NVARCHAR(50) NULL,
[EnDate] DATE NULL
) WITH HEAVY CLUSTERED ([EnID] ASC)
;
```

In this Database Table open Definition, consists of Enrollment ID, Class ID, Member Name, Enrollment Duration, Trainer Name, Gender, Trainer Session with nvarchar data type.



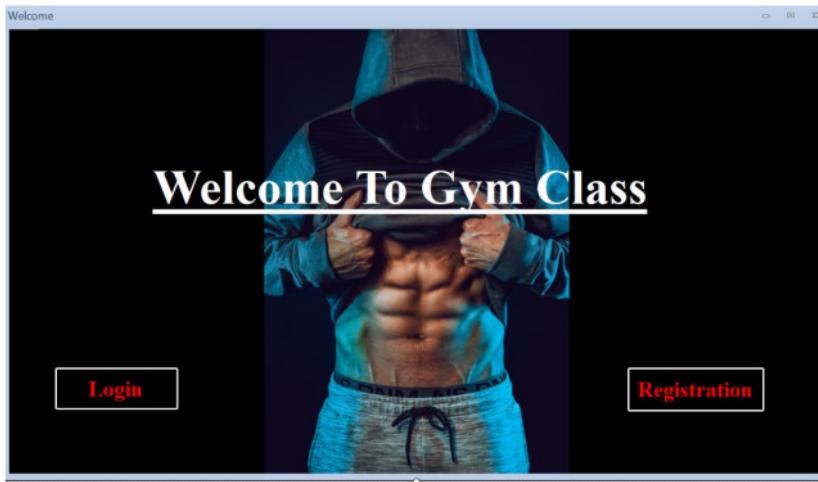
The screenshot shows the 'T-SQL' tab of the SSMS object explorer. It displays the data present in the 'Enrollments' table. There is one row of data: EnID is C004Walkover, CLID is NULL, MemberName is AungPhyo, EnDuration is Friday, Septem..., TrainerName is MinHter, Gender is Female, and TrainerSession is System.Windo... . The 'Max Rows' dropdown is set to 1000.

	EnID	CLID	MemberName	EnDuration	TrainerName	Gender	TrainerSession
▶	C004Walkover	NULL	AungPhyo	Friday, Septem...	MinHter	Female	System.Windo...
✳	NULL	NULL	NULL	NULL	NULL	NULL	NULL

This data table consists of data taking place in the Dataset shown in the snap shot.

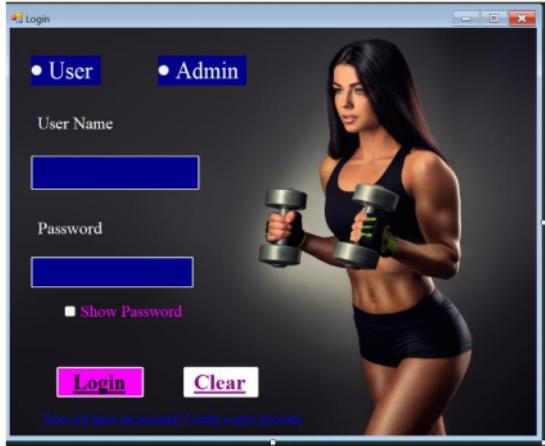
Test Plan

Taking Snapshot of all the interface forms in the BUC Assignment Project

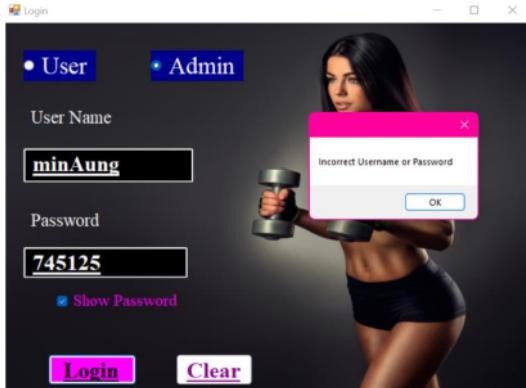


This is the Welcome Form representing the "Welcome to Gym Class" with the white caption and Login and Registration button. After you clicked the Login button it will connect to Login (Form2). Likewise, after you clicked the registration, it will connect to Registration (i.e., Form3).

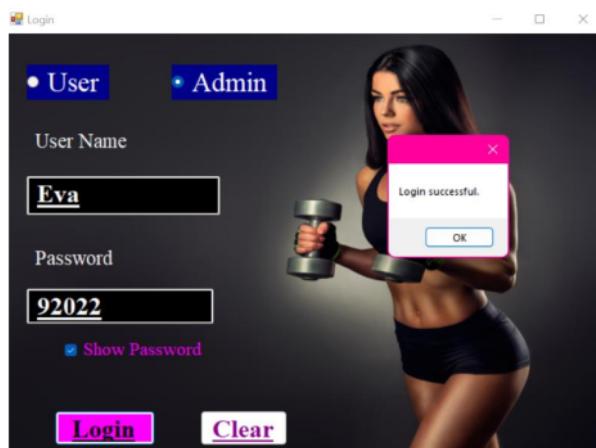
Login Form



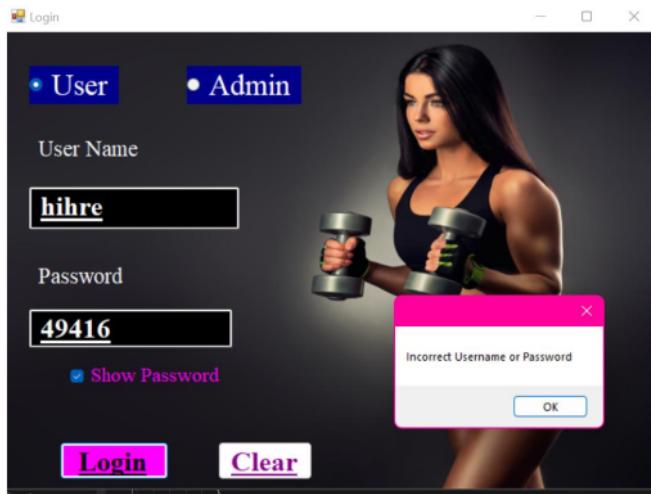
After you clicked the login the button it will connected to Login Form shown in the snapshot. It consists of two radio button one for the User and the Admin. If the admin has to login, he/she have to choose one of the above options by entering correct username and Password. It will be the same way as old user want to login. There is clear button given in the form to reset the data. Below the Clear button it gives the connection if the user does not have an account.



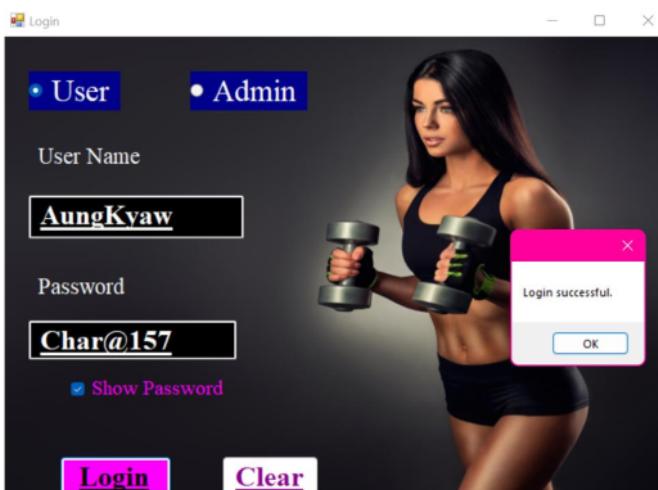
If the Admin type the incorrect username and password that does not much to the Database it will show a Message box consisting "Incorrect Username or Password".



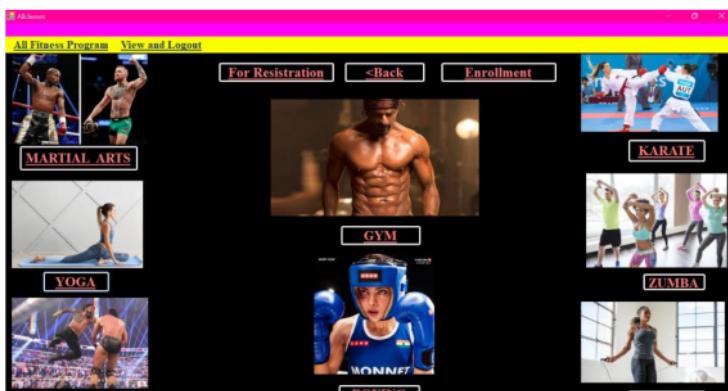
If the Admin type the correct username and password that much to the Database it will show a Message box consisting "Login Successful". After you click OK, it will connect to Admin Interface contain view, update, delete, insert and search button.



If the User type the incorrect username and password that does not much to the Database it will show a Message box consisting “Incorrect Username or Password”.



If the User type the correct username and password that much to the Database it will show a Message box consisting “Login Successful”. After you click OK, it will connect to Enrollment Form which will described later.



From following Welcome form if the new user selects Registration it will connected to All classes form consists of “For Registration”, “Back button” and “Enrollment”. If the user click view and Logout menu script it will move Welcome Form.

This screenshot shows the 'Get Started' registration form. The user has entered the following information:

- Member ID: 8
- Member Name: MyaAung
- Password: Cha06@123
- Confirm Password: Cha06@123
- Contact Number: 9987456123
- Email: leom
- Parent/Guardian: Mother
- Duration: 12:00PM-1:00PM(Lunch)
- Date of Birth: Friday, April 5, 2002
- Address: Yangon
- Gender: Male
- Height: 172.80 cm
- Weight: 60-100kg
- Have you ever joined GymClass?: No
- Do you have any medical conditions that could affect you to join Gym?: (Please enter Details) No
- Costs: \$60/month*10% discount

The 'Enroll' button is highlighted in pink. A success message box is displayed in the center of the screen.

This is the Registration Form in which the user has to enter the required information. This all the information has some validation like for the Member Name you cannot proceed to enter the rest of the data until you the first capital letter is implemented. Likewise, for the Password it requires at least one Character, Number, Big Letter and small Letter. The email may be incomplete if you not enter the procedure needed for email due to its validation. The Contact number must not have less than ten number because of its validation which will be described with the coding page.

This screenshot shows the 'Get Started' registration form after the user has completed all fields. A confirmation message box is displayed in the center of the screen.

The message reads: "Inserted Successful" with an "OK" button.

The other fields remain the same as in the previous screenshot.

After the user adds complete information by surpassing all the validation it will proceed to Enrollment Form1.

This screenshot shows the 'Enrollment' form. The user has entered the following information:

- Enrollment ID: 2
- Member Name: (empty field)
- Enrollment Duration: Wednesday, October 12, 2022
- Trainer Session: (empty field)
- Class ID: (empty dropdown menu)
- Trainer Name: (empty field)
- Gender: Male

A success message box is displayed in the center of the screen.

Here is the Enrollment form to submit the Data with all the validation.

Welcome, Login, Registration and Enrollment Coding

• Welcome Form Coding

```
6 references
public partial class Welcome : KryptonForm
{
    3 references
    public Welcome() //Welcome Form
    {
        InitializeComponent();
    }

    1 reference
    private void Login_Click(object sender, EventArgs e) //under the line represent the form that is connected to other form
    {
        var Login = new Login(); //attached to Login form
        Login.Show();
        this.Visible = false; //set control visibility false
    }

    1 reference
    private void button2_Click(object sender, EventArgs e) //under the line represent the form that is connected to other form
    {
        var Allclasses = new Allclasses(); //attached to Form1 registration
        Allclasses.Show();
        this.Visible = false; //set control visibility false
    }
}
```

• Login Form Coding

```
namespace WicAssignment
{
    //This form is based on Login for Admin and Member
    2 references
    public partial class Login : Form
    {
        2 references
        public Login() //Login Form
        {
            InitializeComponent(); //code that creates and initializes the user interface objects dragged on the form surface with the values provided by programmer
        }

        1 reference
        private void checkBox1_CheckedChanged(object sender, EventArgs e) //Under the line represent the validation for show password
        {
            //this try catch exception block will execute on different thread
            try
            {
                if (checkboxshowpass.Checked) //if is checked to validate the checkboxes that match with password
                {
                    password.PasswordChar = '0';
                }
                else
                {
                    password.PasswordChar = '*';
                }
            }
            //catch and store the exception in a local variable
            catch (Exception ex)
            {
                MessageBox.Show(ex.Message);
            }
        }
    }
}
```

```
private void button1_Click(object sender, EventArgs e)
{
    //This try catch exception block will execute on different thread
    try
    {
        //try condition is used to validate the username and password if user click login without entering data
        if (username.Text == "") //if username is left with blank for validation
        {
            username.BackColor = Color.OrangeRed; //the backcolor will change to orangeRed when you type
            MessageBox.Show("Please enter your name", "Error shown", MessageBoxButtons.OK, MessageBoxIcon.Error); //message box is shown (Please enter your name) otherwise error shown
            return; //cancel the execution of the function
        }
        else if (password.Text == "") //username is left with blank for validation
        {
            password.BackColor = Color.OrangeRed; //the backcolor will change to orangeRed when you type
            MessageBox.Show("Please enter your password", "Error shown", MessageBoxButtons.OK, MessageBoxIcon.Error); //message box is shown (Please enter your password) otherwise error shown
            return; //cancel the execution of the function
        }

        else if (checkboxs.Checked == false && radioButton.Checked == false) //if condition used to check the radiobutton is male and female...
        {
            MessageBox.Show("Choose any one"); //Message box Show is used to select if not selected male or female
        }
        else if (string.IsNullOrEmpty(username.Text)) //validate the string radiobuttons username
        {
            MessageBox.Show("Username is empty. In Enter Username"); //if not selected and submit then it will express and error with the message box
            return; //cancel the execution of the function
        }

        else if (string.IsNullOrEmpty(password.Text)) //validate the string (Admiz)
        {
            MessageBox.Show("Password is empty. In Enter Password"); //if not selected and submit then it will express and error with the message box
            return; //cancel the execution of the function
        }
        //if radiobutton is checked true it will connect to database...
        if (radioButton.Checked == true) //checkboxmale true
        {
            //Connection to database... declaration of variable and set the connection string with new SqlConnection by linking with the datasource...
            SqlConnection conn = new SqlConnection(@"Data Source=(localDB)\MSSQLLocalDB\AttachDbFilename=C:\Users\user\Documents\WicAssignment.mdf;Integrated Security=True;Connect Timeout=30");
            //if connection string is correct then it will connect to database...
            conn.Open();
            string query = "select * from UserTable where Username = '" + username.Text + "' and Password = '" + password.Text + "'";
            //the select command and Parameter from header table to receive parameter information
            SqlCommand cmd = new SqlCommand(query, conn);
            //The SelectCommand, serves as a bridge between a dataset and SQL Server for retrieving and saving data with parameter including query and connection...
            //this command is used to declare the dataset
            //this represents the collection that provide a collection of rows and columns in grid form Form existing one to new one
            SqlDataAdapter adapter = new SqlDataAdapter(cmd);
            //Connection to database... now fill the dataset using the SELECT statement specified by an associated SelectCommand property.
            adapter.Fill(dt);
            //Add or refresh rows in the Dataset to match them as the data source.
            if (dt.Rows.Count > 0)
            {
                //if user name and password is correct...
                if (username.Text != "" && password.Text != "")
                {
                    MessageBox.Show("Login successful"); //if after validation logic will show with messagebox...
                    username.Text = "";
                    password.Text = "";
                    //for AdminSearch = new AdminSearch(); //attached to Femail registration
                    AdminSearch.Show();
                    this.Visible = false; //set control visibility false
                }
            }
        }
    }
}
```

❖ For Check Password Coding and using exception handler

❖ Using try catch handler and validation for radio button, Name and Password

- ❖ Using try catch handler and validation for radio button, Name and Password

```
    reference
    private void Login_Load(object sender, EventArgs e)
    {
        //This line of code load data into the 'userAdmin' table.
        //this.UsernamesTableAdapter.Fill(this.BUCAssignmentDBs.UserAdmin);
    }

    reference
    private void MemberNametxt_Click(object sender, EventArgs e)
    {
        var Allclasses = new Allclasses();//attached to Form3 registration
        Allclasses.Show();
        this.Visible = false;//set control visibility false
    }
}
```

- ❖ Form connection login button and Back Button

- **Registration Form Coding**

```

    // References
    public partial class Form1 : Form

    //Declaration of global variable gender for radio button
    STRING gender;
    //Global variable for sql connection in global
    SqlConnection conn = new SqlConnection("Data Source=(LocalDB)\v11.0;AttachDbFilename=C:\Users\steve\Documents\BdAssignment.mdf;Integrated Security=True;Connect Timeout=30");

    //References
    public Form1()
    {
        InitializeComponent(); //code that creates and initializes the user interface objects dragged on the form surface with the values provided by programmer
    }

    //Declaration of private void of spIncrement or decrement in the dataset ...
    private void spIncrement();
    private void spDecrement();
    private void spDelete();

    //This try catch exception block will execute on different thread
    try
    {
        string str = "1"; // is a sequence of characters for example '1' '1' etc.
        //Not declared as variable and not the consecutive string with new line character by linking with the datasource...
        //SqlConnection conn = new SqlConnection("Data Source=(LocalDB)\v11.0;AttachDbFilename=C:\Users\steve\Documents\BdAssignment.mdf;Integrated Security=True;Connect Timeout=30");
        conn.Open();
        // Sql Command allows you to query and send commands to a database
        SqlCommand cmd = new SqlCommand("SELECT * FROM [dbo].[tblAssignment] WHERE [AssignmentID] = @AssignmentID", conn);
        cmd.Parameters.AddWithValue("@AssignmentID", 1);
        cmd.ExecuteNonQuery();
        int i = Convert.ToInt32(cmd.ExecuteScalar()); // This execution to execute any arbitrary SQL statements in SQL Server to return a single value
        conn.Close();
        conn.Dispose();
        if (i > 0)
        {
            MessageBox.Show("Record Found");
        }
        else
        {
            MessageBox.Show("Record Not Found");
        }
    }

    catch (Exception ex) //catch and store the exception in a local variable
    {
        MessageBox.Show(ex.Message);
    }
}

```

❖ Auto increment Coding

```

// Declaration of private void specs to select Member table name from Database to connect
private void spec1()//private void specs
{
    try//this try catch exception block will execute on different thread
    {
        //Connection to database //Declaration of variable and set the connection string with new SqlConnection by linking with the datasource
        SqlConnection conn = new SqlConnection("Data Source=(LocalDB)\MssqlLocal;AttachDbFilename=C:\Users\user\Documents\Bhavik\parent.mdf;Integrated Security=True;Connect Timeout=30");
        conn.Open();
        SqlCommand cmd = new SqlCommand("CreateTable", conn);
        cmd.CommandType = CommandType.Text;//the property CommandType should contain type of a query that must be run on the server
        cmd.ExecuteNonQuery(); //The ExecuteNonQuery method is used to run a command that does not return any data. It is used for executing statements that do not return result sets
        cmd.ExecuteNonQuery(); //The ExecuteQuery method is one of the most frequently used method in SqlCommand object, and it is used for executing statements that do not return result sets
        DataAdapter da = new SqlDataAdapter();
        da.Fill(ds); //Fill method that provides a collection of rows and columns in grid form existing one to use one row
        //The Fill method retrieves rows from the data source using the SELECT statement specified by an associated SelectCommand property.
        DataSetAdapter adapter = new DataSetAdapter();
        adapter.SelectCommand = cmd;
        adapter.Fill(ds); // Adds or refreshes rows in a Dataset and SQL Server for retrieving and saving data with parameter including query and connection ...
        conn.Close(); //connection close
    }
}

catch (Exception ex)//Catch and store the exception in a local variable
{
    MessageBox.Show(ex.Message);
}

//Buttons
private void button1_Click(object sender, EventArgs e)
{
    try//this try catch exception block will execute on different thread
    {
        if ((Regex.Match(textBox1.Text, "^(A-Z)(a-z-25$)").Success))//Name validation in which your First Capital Letter is need
        {
            MessageBox.Show("The name Requires Capital Letter", "Message", MessageBoxButtons.OK, MessageBoxIcon.Information);//If you enter which is not match with above, it will show error message box
            NameTxt.Focus(); //To visible
            return; //terminates execution of the function
        }
        if (Regex.Match(textBox2.Text, "^(0|1)([0-9]{9})$").Success)//Number validation is needed in which it needs atleast 10 character
        {
            MessageBox.Show("Must be 10 digit Number,Or Atleast Number should be 10 digits", "Message", MessageBoxButtons.OK, MessageBoxIcon.Information);//If you enter which is not match with above, it will show error message box
            ChkNumber.Focus(); //To visible
            return; //terminates execution of the function
        }
        if (Regex.Match(textBox3.Text, "^(0|[1-9][0-9]{1,2})([0-9]{1,2})$").Success)//no capital letter,small letter and one character is need for high security
        {
            MessageBox.Show("String Password Header", "Message", MessageBoxButtons.OK, MessageBoxIcon.Warning); //If you enter which is not match with above, it will show error message box
            txtHeader.Focus(); //To visible
            return; //terminates execution of the function
        }
        if (Regex.Match(textBox4.Text, "^(0|[1-9][0-9]{1,2})([0-9]{1,2})$").Success)//Age must not less than 18 for age registration
        {
            MessageBox.Show("Age must be greater than 18", "Message", MessageBoxButtons.OK, MessageBoxIcon.Warning); //If you enter which is not match with above, it will show error message box
            txtAge.Focus(); //To visible
            return; //terminates execution of the function
        }
    }
}

```

- ❖ using exception handler and validation for Name, phone number, Password, Gmail and all the other data information.

```

if (PhoneNumber.Text == "")/Phone is left with blank for validation
{
    PhoneNumber.BorderColor = Color.Red;/the bordercolor will change to Red when you type
    PhoneNumber.Dsabt("Please enter your name", "Error show", MessageBoxButtons.OK, MessageBoxIcon.Stop);/message box is shown (Please enter your name)checkbox error show
    PhoneNumber.Focus();/its visible
    return; //immediate execution of the function
}

else if (PhoneNumber.Text != "")/Phone is left with blank for validation
{
    PhoneNumber.BorderColor = Color.Red;/the bordercolor will change to Red when you type
    PhoneNumber.Dsabt("Please enter your phone number", "Error show", MessageBoxButtons.OK, MessageBoxIcon.Stop);/message box is shown (Please enter your phone number)checkbox error show
    PhoneNumber.Focus();/its visible
    return; //immediate execution of the function
}

else if (CustomerText.Text == "")/Phone number is left with blank for validation
{
    CustomerText.BorderColor = Color.Red;/the bordercolor will change to Red when you type
    CustomerText.Dsabt("Please enter your contact number", "Error show", MessageBoxButtons.OK, MessageBoxIcon.Stop);/message box is shown (Please enter your contact number)checkbox error show
    CustomerText.Focus();/its visible
    return; //immediate execution of the function
}

else if (CustomerText.Text != "")/Phone number is left with blank for validation
{
    CustomerText.BorderColor = Color.Red;/the bordercolor will change to Red when you type
    CustomerText.Dsabt("Please enter your contact number", "Error show", MessageBoxButtons.OK, MessageBoxIcon.Stop);/message box is shown (Please enter your contact number)checkbox error show
    CustomerText.Focus();/its visible
    return; //immediate execution of the function
}

else if (AddressText.Text == "")/mail is left with blank for validation
{
    AddressText.BorderColor = Color.Red;/the bordercolor will change to Red when you type
    AddressText.Dsabt("Please enter your address", "Error show", MessageBoxButtons.OK, MessageBoxIcon.Stop);/message box is shown (Please enter your address)checkbox error show
    AddressText.Focus();/its visible
    return; //immediate execution of the function
}
else if (AddressText.Text != "")/mail is left with blank for validation
{
    AddressText.BorderColor = Color.Red;/the bordercolor will change to Red when you type
    AddressText.Dsabt("Please enter your address", "Error show", MessageBoxButtons.OK, MessageBoxIcon.Stop);/message box is shown (Please enter your address)checkbox error show
    AddressText.Focus();/its visible
    return; //immediate execution of the function
}

else if (DOBDate.Text == "")/Date of birth is left with blank for validation
{
    DOBDate.BorderColor = Color.Red;/the bordercolor will change to Red when you type
    DOBDate.Dsabt("Please enter your date of birth", "Error show", MessageBoxButtons.OK, MessageBoxIcon.Stop);/message box is shown (Please enter your date of birth)checkbox error show
    DOBDate.Focus();/its visible
    return; //immediate execution of the function
}
else if (DOBDate.Text != "")/Date of birth is left with blank for validation
{
    DOBDate.BorderColor = Color.Red;/the bordercolor will change to Red when you type
    DOBDate.Dsabt("Please enter your date of birth", "Error show", MessageBoxButtons.OK, MessageBoxIcon.Stop);/message box is shown (Please enter your date of birth)checkbox error show
    DOBDate.Focus();/its visible
    return; //immediate execution of the function
}

else if (HeightText.Text == "")/height is left with blank for validation
{
    HeightText.BorderColor = Color.Red;/the bordercolor will change to Red when you type
    HeightText.Dsabt("Please enter your height", "Error show", MessageBoxButtons.OK, MessageBoxIcon.Stop);/message box is shown (Please enter your height)checkbox error show
    HeightText.Focus();/its visible
    return; //immediate execution of the function
}
else if (HeightText.Text != "")/height is left with blank for validation
{
    HeightText.BorderColor = Color.Red;/the bordercolor will change to Red when you type
    HeightText.Dsabt("Please enter your height", "Error show", MessageBoxButtons.OK, MessageBoxIcon.Stop);/message box is shown (Please enter your height)checkbox error show
    HeightText.Focus();/its visible
    return; //immediate execution of the function
}

else if (WeightText.Text == "")/weight is left with blank for validation
{
    WeightText.BorderColor = Color.Red;/the bordercolor will change to Red when you type
    WeightText.Dsabt("Please enter your weight", "Error show", MessageBoxButtons.OK, MessageBoxIcon.Stop);/message box is shown (Please enter your weight)checkbox error show
    WeightText.Focus();/its visible
    return; //immediate execution of the function
}
else if (WeightText.Text != "")/weight is left with blank for validation
{
    WeightText.BorderColor = Color.Red;/the bordercolor will change to Red when you type
    WeightText.Dsabt("Please enter your weight", "Error show", MessageBoxButtons.OK, MessageBoxIcon.Stop);/message box is shown (Please enter your weight)checkbox error show
    WeightText.Focus();/its visible
    return; //immediate execution of the function
}

```

- ❖ using exception handler and validation for Name, phone number, Password, Gmail and all the other data information.

```
    private void NameText_TextChanged(object sender, EventArgs e)
    {
        BackColor = Color.Orange; //Text changed is used to change the color after entering the text.
        //That is to change backcolor into whitecolor.....
    }

    private void SurnameText_TextChanged(object sender, EventArgs e)
    {
        testbutton.BackColor = Color.Orange; //Text changed is used to change the color after entering the text.
        //That is to change backcolor into whitecolor.....
    }

    private void CountryText_TextChanged(object sender, EventArgs e)
    {
        CountryText.BackColor = Color.Orange; //Text changed is used to change the color after entering the text.
        //That is to change backcolor into whitecolor.....
    }

    private void CityText_TextChanged(object sender, EventArgs e)
    {
        cityText.BackColor = Color.Orange; //Text changed is used to change the color after entering the text.
        //That is to change backcolor into whitecolor.....
    }

    private void PostCodeText_TextChanged(object sender, EventArgs e)
    {
        PostCodeText.BackColor = Color.Orange; //Text changed is used to change the color after entering the text.
        //That is to change backcolor into whitecolor.....
    }

    private void AddText_TextChanged(object sender, EventArgs e)
    {
        addText.BackColor = Color.Orange; //Text changed is used to change the color after entering the text.
        //That is to change backcolor into whitecolor.....
    }

    private void DeleteText_TextChanged(object sender, EventArgs e)
    {
        DeleteText.BackColor = Color.Orange; //Text changed is used to change the color after entering the text.
        //That is to change backcolor into whitecolor.....
    }

    private void EditText_TextChanged(object sender, EventArgs e)
    {
        EditText.BackColor = Color.Orange; //Text changed is used to change the color after entering the text.
        //That is to change backcolor into whitecolor.....
    }

    private void ShowText_TextChanged(object sender, EventArgs e)
    {
        ShowText.BackColor = Color.Orange; //Text changed is used to change the color after entering the text.
        //That is to change backcolor into whitecolor.....
    }

    private void HideText_TextChanged(object sender, EventArgs e)
    {
        HideText.BackColor = Color.Orange; //Text changed is used to change the color after entering the text.
        //That is to change backcolor into whitecolor.....
    }

    private void AddSelectedIndexChanged(object sender, EventArgs e)
    {
        Amul.BackColor = Color.Orange; //Text changed is used to change the color after entering the text.
        //That is to change backcolor into whitecolor.....
    }

    private void ConstText_SelectedIndexChangedIndexChanged(object sender, EventArgs e)
    {
        ConstText.BackColor = Color.Orange; //Text changed is used to change the color after entering the text.
        //That is to change backcolor into whitecolor.....
    }
```

- ❖ changing back after you type

```

    1 reference
    private void NameTxt_HeyDown(object sender, KeyEventArgs e)
    {
        if (e.KeyCode == Keys.Enter) //Keycode is equal to key enter in which ...you can use enter instead of TAB..
        {
            SendKeys.Send("{TAB}"); //uses Enter key instead of "TAB"
        }
    }

    1 reference
    private void textBox1_HeyDown(object sender, KeyEventArgs e)
    {
        if (e.KeyCode == Keys.Enter) //Keycode is equal to key enter in which ...you can use enter instead of TAB..
        {
            SendKeys.Send("{TAB}"); //uses Enter key instead of "TAB"
        }
    }

    1 reference
    private void Cnumbertxt_HeyDown(object sender, KeyEventArgs e)
    {
        if (e.KeyCode == Keys.Enter) //Keycode is equal to key enter in which ...you can use enter instead of TAB..
        {
            SendKeys.Send("{TAB}"); //uses Enter key instead of "TAB"
        }
    }

    1 reference
    private void mailtxt_HeyPress(object sender, KeyPressEventArgs e)
    {
    }

    1 reference
    private void Pgazotxt_HeyDown(object sender, KeyEventArgs e)
    {
        if (e.KeyCode == Keys.Enter) //Keycode is equal to key enter in which ...you can use enter instead of TAB..
        {
            SendKeys.Send("{TAB}"); //uses Enter key instead of "TAB"
        }
    }

    1 reference
    private void durationtxt_HeyDown(object sender, KeyEventArgs e)
    {
        if (e.KeyCode == Keys.Enter) //Keycode is equal to key enter in which ...you can use enter instead of TAB..
        {
            SendKeys.Send("{TAB}"); //uses Enter key instead of "TAB"
        }
    }

    1 reference
    private void addtxt_HeyDown(object sender, KeyEventArgs e)
    {
        if (e.KeyCode == Keys.Enter) //Keycode is equal to key enter in which ...you can use enter instead of TAB..
        {
            SendKeys.Send("{TAB}"); //uses Enter key instead of "TAB"
        }
    }

    1 reference
    private void D007txts_HeyDown(object sender, KeyEventArgs e)
    {
        if (e.KeyCode == Keys.Enter) //Keycode is equal to key enter in which ...you can use enter instead of TAB..
        {
            SendKeys.Send("{TAB}"); //uses Enter key instead of "TAB"
        }
    }

    1 reference
    private void hgtxt_HeyDown(object sender, KeyEventArgs e)
    {
        if (e.KeyCode == Keys.Enter) //Keycode is equal to key enter in which ...you can use enter instead of TAB..
    }

```

- ❖ All the data will tab from one text box to another after entering “Enter” key.

```

    1 reference
    private void checkBox1_CheckedChanged_1(object sender, EventArgs e)
    {
        if (checkBox1.Checked) //validation for show password
        {
            textBox1.PasswordChar = '\0';
            confirmPassword.PasswordChar = '\0';
        }
        else
        {
            textBox1.PasswordChar = '*';
            confirmPassword.PasswordChar = '*';
        }
    }

    1 reference
    private void button1_Click(object sender, EventArgs e)
    {
        //Clear or Reset Code
        //This try catch exception block will execute on different thread
        {

            Midtxt.Text = "";
            RnameTxt.Text = "";
            PnameTxt.Text = "";
            Cnumbertxt.Text = "";
            mailtxt.Text = "";
            addtxt.Text = "";
            D007txts.Text = "";
            hgtxt.Text = "";
            genderText = "";
            Amail.Text = "";
            ConditionalText = "";
            AnswerText = "";
            Cestate.Text = "";
            textSel.Text = "";
            confirmpasswordText = "";

        }
        catch (Exception ex) //catch and store the exception in a local variable
        {
            MessageBox.Show(ex.Message);
        }
    }

    1 reference
    private void button2_Click(object sender, EventArgs e)
    {
        var Allclasses = new Allclasses(); //attached to Form registration
        Allclasses.Show();
        this.Visible = false; //set control visibility false
    }

    1 reference
    private void Label1_Click_1(object sender, EventArgs e)
    {
        // Error Exception Handling
        {
            // To show that both password and confirm password are matched.
            if (passwordTxt.Text == confirmPassword.Text)
            {
                label1.ForeColor = Color.Green;
                label1.Text = "#MATCHED";
            }
            else
            {
                label1.ForeColor = Color.Red;
                label1.Text = "#NOT MATCHED";
            }
        }
        catch (Exception ex)
        {
            MessageBox.Show(ex.Message);
        }
    }

```

- ❖ Code for Show Password by using exception handler. Form connection by Registration button and Back Button. Code for Reset is also used for clear the data in the form.

- **Enrollment Form Coding**

- ❖ Auto increment
Coding using exception
handler.

- ❖ using exception handler and validation for Name, phone number and all the other data information .Coding for database connection

```

private void Ebhssat_TextChanged(object sender, EventArgs e)
{
    Ebhssat.BackColor = Color.Lime;//turn backcolor text to Lime after you type
}

private void Classedit_SelectedIndexChanged(object sender, EventArgs e)
{
    Classedit.BackColor = Color.Lime;//turn backcolor text to Lime after you type
}

private void Entressat_TextChanged(object sender, EventArgs e)
{
    Entressat.BackColor = Color.Lime;//turn backcolor text to Lime after you type
}

private void Tchhssat_TextChanged(object sender, EventArgs e)
{
}

private void Ebhssat_KeyDown(object sender, KeyEventArgs e)
{
    Ebhssat.BackColor = Color.Lime;//turn backcolor text to Lime after you type
}

private void Entressat_KeyDown(object sender, KeyEventArgs e)
{
    Entressat.BackColor = Color.Lime;//turn backcolor text to Lime after you type
}

private void Ebhssat_KeyPress(object sender, KeyPressEventArgs e)
{
    if ((char)e.KeyChar == (char)Int32.MaxValue || (char)Int32.MinValue <= (char)Int32.MaxValue & (char)Int32.MaxValue <= e.KeyChar) //this validation represents that the user cannot type digit when filling form is base box.
        e.Handled = true; //once completed the handling that this event requires , and it will stop box classes from doing any further
}

private void Entressat_KeyPress(object sender, KeyPressEventArgs e)
{
    if ((char)e.KeyChar == (char)Int32.MaxValue || (char)Int32.MinValue <= (char)Int32.MaxValue & (char)Int32.MaxValue <= e.KeyChar) //this validation represents that the user cannot type digit when filling form is base box.
        e.Handled = true; //once completed the handling that this event requires , and it will stop box classes from doing any further
}

private void Cldit_Closed(object sender, RoutedEventArgs e)
{
    if (Cldit.KeyUp == KeyUp.Enter)//repcode is equal to key enter in which ....you can use enter instead of Tab...
    {
        SendKeys.Send("Tab");//These Enter key instead of <tab>
    }
}

private void Ebhssat_KeyDown(object sender, KeyEventArgs e)
{
    if (e.KeyValue == KeyValue.Enter)//repcode is equal to key enter in which ....you can use enter instead of Tab...
    {
        SendKeys.Send("Tab");//These Enter key instead of <tab>
    }
}

private void Classedit_KeyDown(object sender, KeyEventArgs e)
{
    if (e.KeyValue == KeyValue.Enter)//repcode is equal to key enter in which ....you can use enter instead of Tab...
    {
        SendKeys.Send("Tab");//These Enter key instead of <tab>
    }
}

private void Entressat_KeyDown(object sender, KeyEventArgs e)
{
    if (e.KeyValue == KeyValue.Enter)//repcode is equal to key enter in which ....you can use enter instead of Tab...
    {
        SendKeys.Send("Tab");//These Enter key instead of <tab>
    }
}

```

- ❖ All the data will tab from one text box to another after entering “Enter” key.

```

//Clear or Reset Code
try //this try catch exception block will execute on different thread
{
    //blank

    ClassTxt.Text = "";
    EMnameTxt.Text = "";
    EndurattionTxt.Text = "";

    EMnameTxt.Text = "";
    EMTrainerTxt.Text = "";

} catch (Exception ex) //catch and store the exception in a local variable
{
    MessageBox.Show(ex.Message);
}

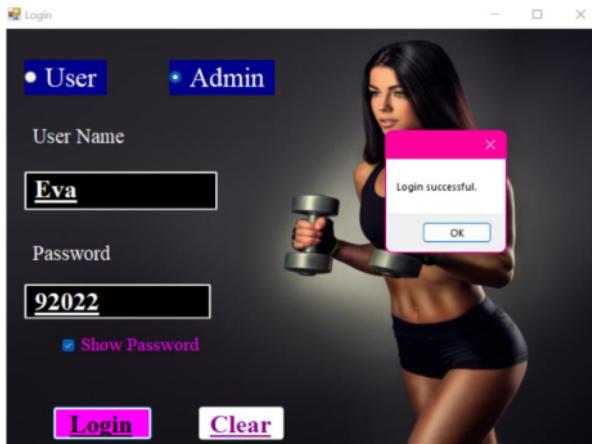
//Reset
private void button2_Click(object sender, EventArgs e)
{
    var Login = new Login(); //attached to Welcom registration
    Login.Show();
    this.Visible = false; //set control visibility false
}

```

- ❖ Form connection by Submit button and Back Button. Reset button is also used for clearing the data

Admin Forms

- Admin Login Form



Admin Login is the place where Admin Member can get an admission to access the personal details of Staff, Trainer, Member, Enrollment and Class. The administrator can access the customer sites.

- Admin Search Form

MID	MName	PGuard	CNumbr	Email	Ad
1	Aung...	mother	0987...	kuos...	mn
2	Bahf	mother	0978...	badh...	ung
3	Mvo...	mother	+958...	aung...	Ma
4	Mvo...	mother	+984...	aung...	mis
5	Mvo...	Moth...	9987...	sfdgh...	dgi

The administrator can Search Member, Class, Staff, Trainer, Enrollment information by searching only ID in the given box. The admin must select one of those radio buttons given in the form then click Search button to proceed.

The administrator selects class radio button and enter 2 in the given black box and the click search button. After selecting 2 the data will show only class ID of 2 in the given respective grid view.

• Admin View Form

This is the Admin View Form in which Admin can Select any of the Database given in the form for its displaying in respective data Grid View. The back button is also used to go back in the Search Form.

As soon as the administrator select the Staff radio button the data will automatically view in the respective data grid view given in the form.

- **Admin Update Preview Form**

MID	MName	PGuard	CNumber	Email	Address	Gender	DOB
1	AungKyaw	mother	098745126	kuos@gmail.com	mmor	Male	Friday, October 4... 11
2	Bahf	mother	0978456324	badrh@gmail.com	unghr	Female	Thursday, Octob... 11
3	MyoAung	mother	+9587415634	aung@gmail.com	Mandalay	Male	Wednesday, Oct... 11
4	Myouraf	mother	+9847562135	aungko@gmail.c...	misagh	Male	Wednesday, Oct... 11
5	MyoAung	Mother	9987548657	sfdfgh@gmail.com	dgk	Male	Sunday, October ... 11
6	TeacherEi	Mother	99874154866	lbuntry525@gmail...	Mya Khin	Female	Wednesday, Jun... 11
7	Minglar	Mother	9841854199	Khushbeers45@...	MayMyo	Male	Tuesday, June 1... 11

This is the Update Preview Form in which Administrator can select any of the following radio buttons to update by clicking Update Button given in the form. For example, if administrator select Member and click the update button then it will take administrator

to another form which is related to Member Form. It will be same for Class, Trainer, Staff and Enrollment.

- **Admin Update Form**

MID	MName	PGuard	CNumbr	Email	Ad
1	Aung...	mother	0987...	kuos...	mm
2	Bahf	mother	0978...	badr...	ungh

This is the Admin Update Form in which Administrator can update related to Member data. The Reset button in the form is used to clear the data. The back button is used to go back to the update Preview Form.

Admin Update

Get Started Search View Insert Delete Logout

Member ID	2	Gender	Male	Female																		
Member Name	Bahf	Address	unghr																			
Parent Guardian	mother	Date Of Birth(ages +10)*	Wednesday, October 12, 21																			
Contact Number	0978456324	Height	Weight																			
Email	badh@gmail	162.56 cm	90-100kg																			
Duration	5:00Pm-8:00Pm(X)	Do you have any medical conditions that could affect you?																				
<input type="checkbox"/> Yes(Please enter Details) <input type="checkbox"/> others																						
Costs \$999/year*5% discount Reset Update Back																						
Update display <table border="1"> <thead> <tr> <th>MID</th> <th>MName</th> <th>PGuard</th> <th>CNumb</th> <th>Email</th> <th>Ad</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Aung...</td> <td>mother</td> <td>0987...</td> <td>kuos...</td> <td>mm</td> </tr> <tr> <td>2</td> <td>Bahf</td> <td>mother</td> <td>0978...</td> <td>badh...</td> <td>ung</td> </tr> </tbody> </table>					MID	MName	PGuard	CNumb	Email	Ad	1	Aung...	mother	0987...	kuos...	mm	2	Bahf	mother	0978...	badh...	ung
MID	MName	PGuard	CNumb	Email	Ad																	
1	Aung...	mother	0987...	kuos...	mm																	
2	Bahf	mother	0978...	badh...	ung																	

If the administrator is bored to type each and every data then he can select data given grid view. After selecting data in the grid view the data will automatically write down in the textboxes.

Admin Update

Get Started Search View Insert Delete Logout

Member ID	5	Gender	Male	Female																		
Member Name	MyoAung	Address	dgik																			
Parent Guardian	Mother	Date Of Birth(ages +10)*	Wednesday, October 12, 21																			
Contact Number	9987548657	Height	Weight																			
Email	sfdghj@gmail	172.72 cm	80-90kg																			
Duration	12:00Pm-1:00Pm(X)	Do you have any medical conditions that could affect you?																				
<input type="checkbox"/> Yes(Please enter Details) <input type="checkbox"/> Cancer(Leukemia)																						
Costs \$300/semiyearly*9% discount Reset Update Back																						
Update display <table border="1"> <thead> <tr> <th>MID</th> <th>MName</th> <th>PGuard</th> <th>CNumb</th> <th>Email</th> <th>Ad</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Mvo...</td> <td>mother</td> <td>+984...</td> <td>aung...</td> <td>mia</td> </tr> <tr> <td>5</td> <td>Mvo...</td> <td>Moth...</td> <td>9987...</td> <td>sfdgh...</td> <td>dgil</td> </tr> </tbody> </table>					MID	MName	PGuard	CNumb	Email	Ad	4	Mvo...	mother	+984...	aung...	mia	5	Mvo...	Moth...	9987...	sfdgh...	dgil
MID	MName	PGuard	CNumb	Email	Ad																	
4	Mvo...	mother	+984...	aung...	mia																	
5	Mvo...	Moth...	9987...	sfdgh...	dgil																	

This is the admin update Form in which the administrator has to update the required information. This all the information has some validation like for the Member Name you cannot proceed to enter the rest of the data until you enter the first capital letter is implemented. Likewise, the email may be incomplete if you not

enter the procedure needed for email due to its validation. The Contact number must not have less than ten number because of its validation.

The screenshot shows the 'Admin Update1' form with various input fields for member information. A modal dialog box in the center says 'Update Successfully'. Below it, a message states: 'I have any medical conditions that could affect you? Yes(Please enter Details)'. The 'Costs' field is highlighted in green. At the bottom, there's a grid view titled 'Update display' showing two rows of data.

MID	MName	PGuard	CNumb	Email	Ado
1	Aung...	mother	0987...	kuos...	mm
2	Bahf	mother	0978...	badh...	ung

After the administrator update complete information by surpassing all the validation it will proceed by updating new data in the respective grid view.

• Admin Update1 Form

This screenshot shows the 'Admin Update Form1' with fields for Class ID, Class Date, Class Titles, Class Session, Trainer, Class Fees, and Place. A 'Back', 'Update', and 'Reset' button are at the bottom. A grid view titled 'Update Display' shows four rows of class data.

CLID	ClassT	Trainer	Place	ClassD:
1	Zumba	John...	Cent...	8/11/...
2	Walk...	Aung...	Avaw...	7/9/2...
3	Yoga	Sere...	Aust...	11/12...
4	Wres...	Myint	Bago	7/8/2...

This is the Admin Update Form1 in which Administrator can update related to Class data. The Reset button in the form is used to clear the data. The back button is used to go back to the update Preview Form.

This screenshot shows the 'Admin Update Form1' with fields for Class ID, Class Date, Class Titles, Class Session, Trainer, Class Fees, and Place. The 'Place' field has 'Avawardy' typed in. A 'Back', 'Update', and 'Reset' button are at the bottom. A grid view titled 'Update Display' shows four rows of class data.

CLID	ClassT	Trainer	Place	ClassD:
1	Zumba	John...	Cent...	8/11/...
2	Walk...	Aung Aung	Avaw...	7/9/2...
3	Yoga	Sere...	Aust...	11/12...
4	Wres...	Myint	Bago	7/8/2...

If the administrator is bore to type each and every data then he can select data given grid view. After selecting data in the grid view the data will automatically write down in the textboxes.

Get Started

<u>Class ID</u>	4	<u>Class Date</u>	7/8/2018
<u>Class Titles</u>	Wrestling	<u>Class Session</u>	Monday-Sund
<u>Trainer</u>	Myint	<u>Class Fees</u>	750000
<u>Place</u>	Bago	Back	Update

Update Display

CLID	ClassT	Trainer	Place	ClassD:
1	Zumba	John...	Cent...	8/11/...
2	Walk...	Aung...	Ayaw...	7/9/2...
3	Yoga	Sere...	Aust...	11/12...
4	Wres...	Mvint	Bago	7/8/2...

This is the admin update Form in which the administrator has to update the required information. This all the information has some validation like for Class titles and trainer name where you cannot proceed to enter the rest of the data until you the first capital letter is implemented.

The process above of update preview and update 1 form will be same as for Trainer, Enrollment and Staff radio button.

- **Admin Insert Form**

AdminInsert

Search	View	Updat	Insert	Delete	Logou
---------------	-------------	--------------	---------------	---------------	--------------

Insert • **Staff** • **Trainer** • **Class** **Insert**

Insert

This is the Admin Insert Form in which Administrator can select any of the following radio buttons to insert by clicking Insert Button given in the form.

Admininsert

Search View Update Insert Delete Logout

Insert • Staff • Trainer • Class **Insert**

Insert

	SId	SName	SAddress	SAge	SPhone	SGender	SDuration
1	Zaw...	Clow...	23	0987...	Male ...	Mon...	
2	Zaw...	Pster...	30	0857...	Male ...	Week...	
3	Myo...	Mand...	31	0856...	Fema...	1:00P...	
4	Gerar...	May...	25	0975...	Fema...	7:00P...	
*							

In this Form, if administrator select and click the Insert button then it will take administrator to another form which is related to Member Staff Member. It will be same for Class, Trainer.

- **Admin Insert after view Form**

Admininsertafterview1

Get Started

Staff ID Staff Address

Staff Name Staff Gender Male Female

Staff Phone Staff Age

Staff Email

Staff Duration

Insert **Reset** **Back**

Insert

	SId	SName	SAddress	SAge	SPhone	SGender	SDuration
1	Zaw...	Clow...	23	0987...	Male ...	Mon...	
2	Zaw...	Pster...	30	0857...	Male ...	Week...	
3	Myo...	Mand...	31	0856...	Fema...	1:00P...	
*							



This is the Admin Insert after view 1 in which Administrator can update related to Staff data. The Reset button in the form is used to clear the data. The back button is used to go back to the admin insert Form.

Get Started

Staff ID Staff Address

Staff Name Staff Gender Male Female

Staff Phone Staff Age

Staff Email

Staff Duration

Insert **Reset** **Back**

Insert

	SId	SName	SAddress	SAge	SPhone	SGender	SDuration
4	Gera...	May...	25	0975...	Fem...	7	
*							

If the administrator is bore to type each and every data then he can select data given grid view. After selecting data in the grid view the data will automatically write down in the textboxes.

Get Started

<u>Staff ID</u>	1	<u>Staff Address</u>	ClownStreet
<u>Staff Name</u>	ZawHtet	<u>Staff Gender</u>	<input checked="" type="radio"/> Male <input type="radio"/> Female
<u>Staff Phone</u>	098754632	<u>Staff Age</u>	29
<u>Staff Email</u>	ZaWhtet@gmail.com	Insert	Reset
<u>Staff Duration</u>	Monday-Friday	Back	

Insert

SIId	SName	SAddress	SAge	SPhone	SGender
1	Zaw...	Clow...	23	0987...	Male...
2	Zaw...	Pster...	30	0857...	Male...
3	Myo...	Man...	31	0956...	Female...

This is the admin Insert after view1 Form in which the administrator has to insert the required information. This all the information has some validation like for Staff Name and Staff Email where you cannot proceed

to enter the rest of the data until you the first capital letter is implemented. Likewise, the email may be incomplete if you not enter the procedure needed for email due to its validation. The Contact number must not have less than ten number because of its validation. After that the administrator can insert by clicking Insert button. After clicking Insert button it will added to the database.

The process above of Admin Insert after view1 form will operate same as for Trainer and class radio button.

• Admin Delete Form

AdminDelete

Search View Update Insert Delete Logout

Delete

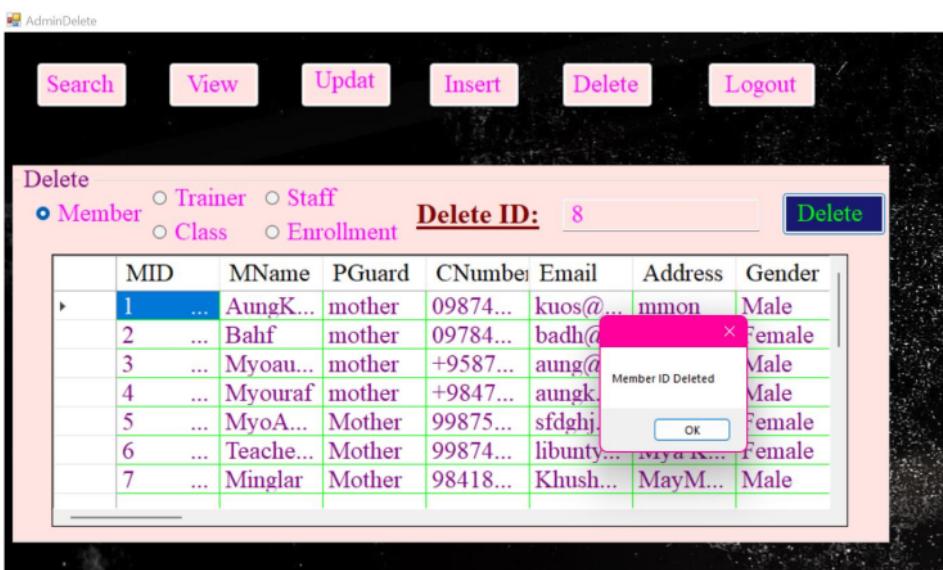
Member Trainer Staff
 Class Enrollment **Delete ID:** **Delete**

MID	MName	PGuard	CNumber	Email	Address	Gender
1	AungK...	mother	09874...	kuos@...	mmon	Male
2	Bahf	mother	09784...	badh@...	unghr	Female
3	Myoau...	mother	+9587...	aung@...	Manda...	Male
4	Myouraf	mother	+9847...	aungk...	miagh...	Male
5	MyoA...	Mother	99875...	sfdgfhj...	dgik	Female
6	Teache...	Mother	99874...	libunty...	Mya K...	Female
7	Minglar	Mother	98418...	Khush...	MayM...	Male
8	Aungko...	Mother	00974...	A....V	Van...	Male

The administrator can Delete Member, Class, Staff, Trainer, Enrollment information by deleting only ID in the given box. The admin must select one of those radio buttons given in the form then click Delete button to proceed.



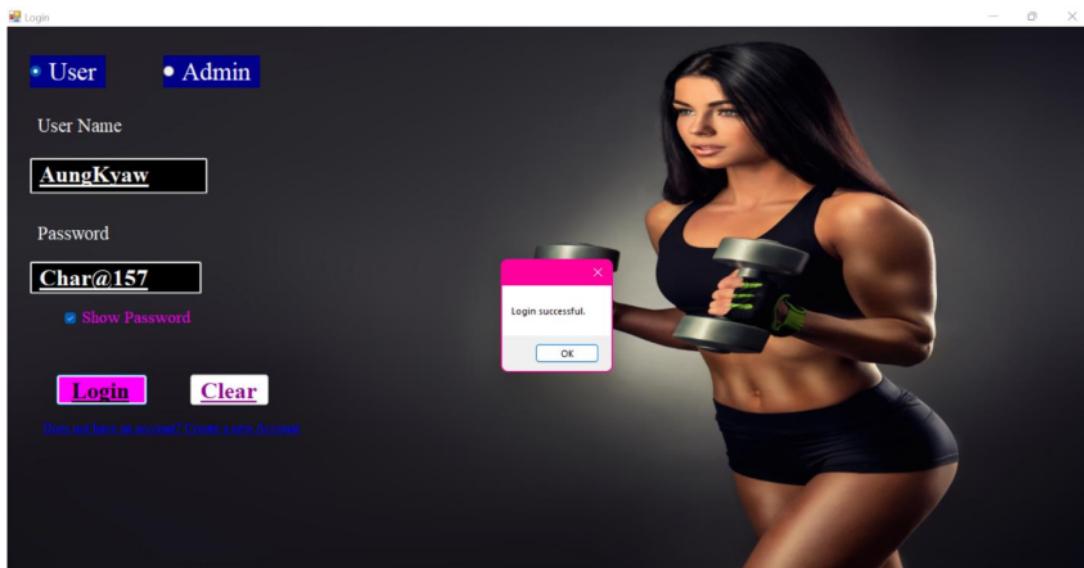
The administrator selects Member radio button and enter 8 in the given black box and the click delete button.

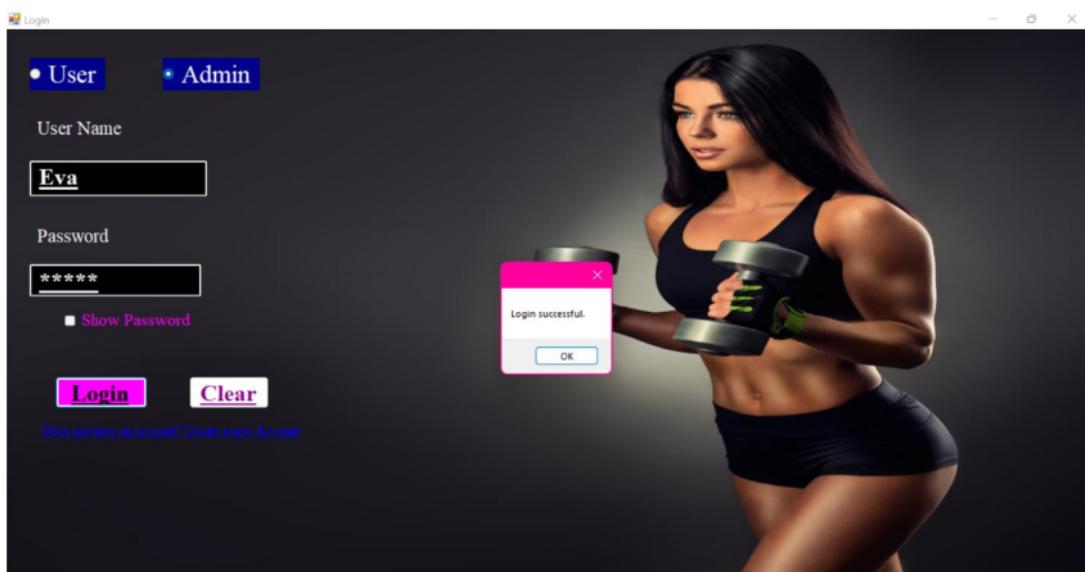
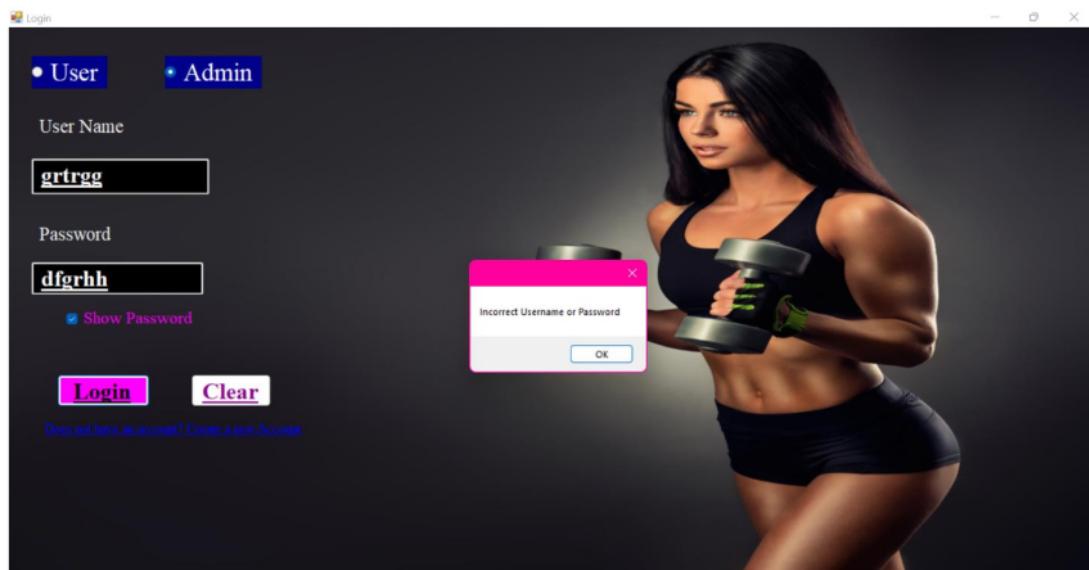


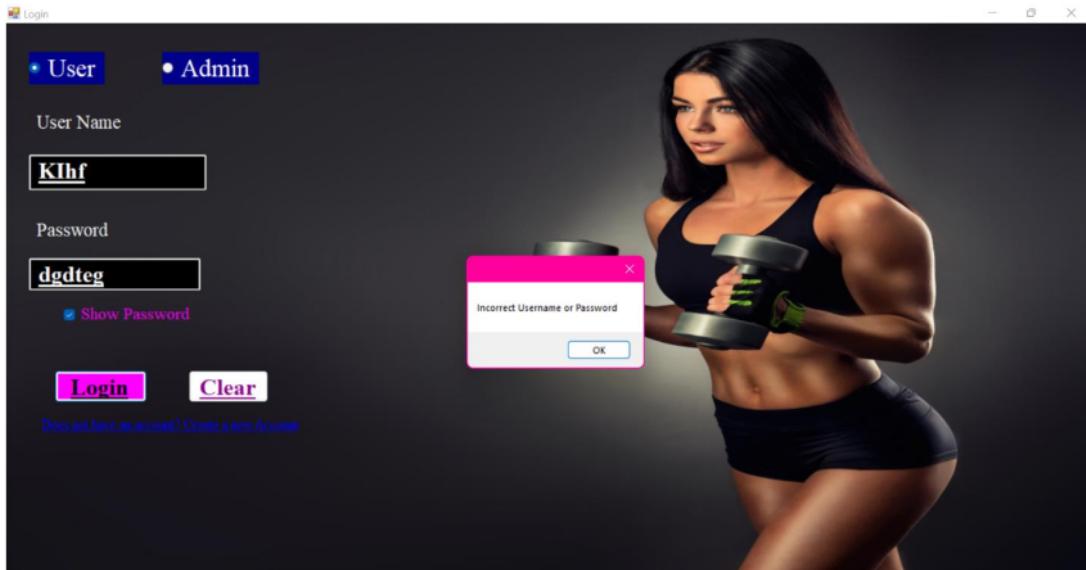
After selecting 8, the data row of 8 Primary key of MID in the given respective grid view of data will be deleted.

Test Data & Result of All Forms

User Name	Fail	True	Fail	True
Password	Fail	Fail	True	True
6 Expected Result	Error: Please Enter Name	Error: Please enter correct Password	Error: Please enter correct name	Logged in







Case Number	Case	Process	Result
1	Signup validation for every record	Missing to fill all information	Error Message Box Will Display
2	Signup successful	After Filling all fields, click signup button	Success Message Box will display
3	Login Form	Enter registered name and passwords	Success Message Box will display
4	To appear Fitness program box	Clicking Ok button at Message Box	Fitness software will display

First Time User

Get Started

Member ID

Member Name

Password

ConfirmPassword show

Contact Number

Email

Parent Guardian

Duration

Address

Date Of Birth(ages +10)*

Gender Male Female

Have you ever joined GymClass?

Height

Weight

Do you have any medical conditions that could affect you to join Gym?
(Please enter Details)

Costs

Enroll **Back** **Clear** **Submit**

First Time User

Get Started

Member ID

Member Name

Password

ConfirmPassword show

Contact Number

Email

Parent Guardian

Duration

Address

Date Of Birth(ages +10)*

Gender Male Female

Have you ever joined GymClass?

Height

Weight

Do you have any medical conditions that could affect you to join Gym?
(Please enter Details)

Costs

Enroll **Back** **Clear** **Submit**

First Time User

Get Started

Member ID:

Member Name:

Password:

Confirm Password: show

Contact Number:

Email:

Parent/Guardian:

Duration:

Date Of Birth(ages +10)*: Wednesday, October 12, 2022

Address: Gender: Male Female

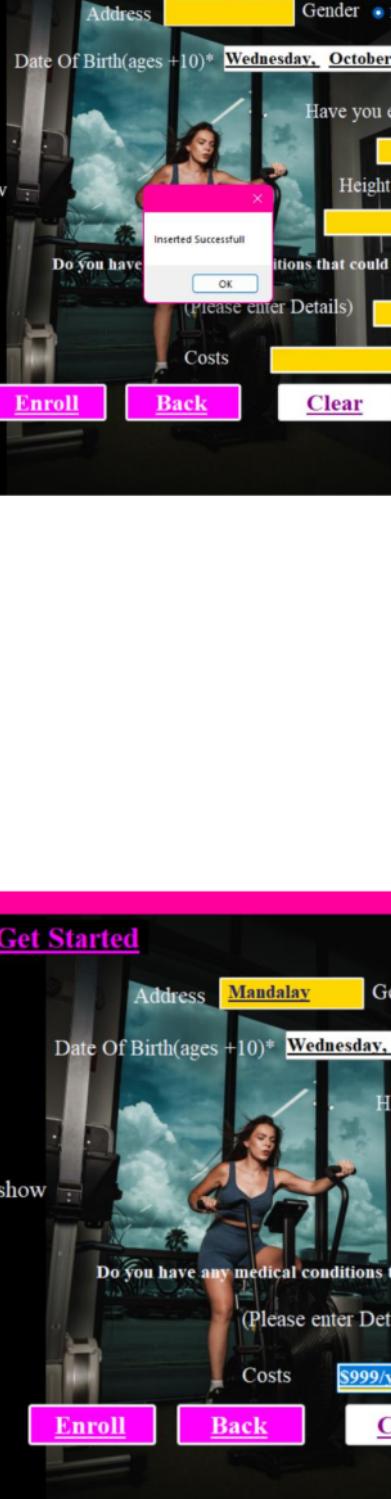
Have you ever joined GymClass?:

Height: Weight:

Do you have any medical conditions that could affect you to join Gym?:

 (Please enter Details):

Costs:



Inserted Successful

OK

First Time User

Get Started

Member ID: 8

Member Name: Gerard

Password: P@784fge

Confirm Password: ***** show

Contact Number: 9987456123

Email: om

Parent/Guardian: Father

Duration: 12:00Pm-1:00Pm(Lunch)

Date Of Birth(ages +10)*: Wednesday, October 12, 2022

Address: Mandalay Gender: Male Female

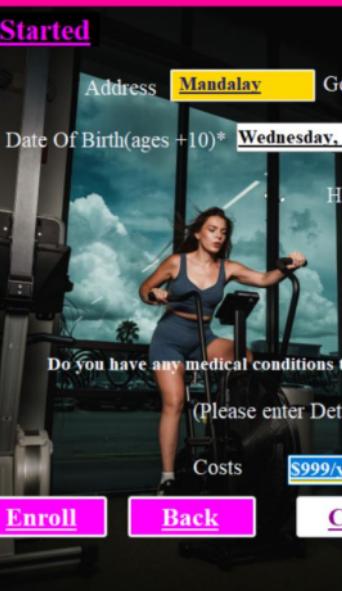
Have you ever joined GymClass?: No

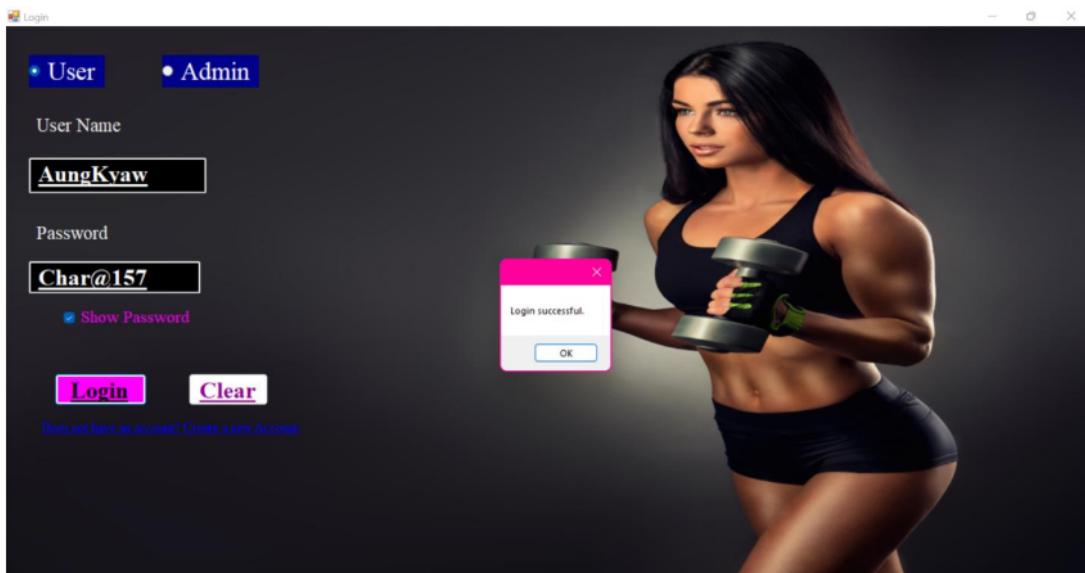
Height: 172.72 cm Weight: 80-90kg

Do you have any medical conditions that could affect you to join Gym?:

 (Please enter Details): Cancer(Leukemia)

Costs: \$999/year*5% discount





Case Number	Case	Process	Result
1	Signup Validation for every statistic	Missing to fill all information	Error Message box will display
2	Submit button	-Member -Select Class want to enroll -Trainer Name -Select Gender -Enrollment Duration Select Trainer Session	-Information will be added to Enrollment Table in Database -Inserted successfully
3	Back button	Go back to fitness program form	Go back Function

EnrollmentForm1

Enrollment

Enrollment ID 2

MemberName

Enrollment Duration Wednesday, October 12, 2022

Class ID

Trainer Session

Trainer Name

Gender Male Female

Submit **Reset** **Back**

1

Case Number	Case	Process	Result
1	Validation	Missing to fill all data	Error Message Box will appear
2	Inserted Successfully	After Filling all fields, Click Insert Button	Success Message will display
3	To View within the database	Clicking the Insert button to look grid view	Staff Detail information will appear

AdminInsert

Search **View** **Updat** **Insert** **Delete** **Logout**

Insert **Staff** **Trainer** **Class** **Insert**

Insert

SId	SName	SAddress	SAge	SPhone	SGender	SDuration
1 ...	Zaw...	Clow...	23 ...	0987...	Male ...	Mon...
2 ...	Zaw...	Pster...	30 ...	0857...	Male ...	Week...
3 ...	Myo...	Mand...	31 ...	0856...	Fema...	1:00P...
4 ...	Gerar...	May...	25 ...	0975...	Fema...	7:00P...
*						

Administrator

Get Started

Staff ID	5	Staff Address	<input type="text"/>
Staff Name	<input type="text"/>	Staff Gender	<input type="radio"/> Male <input type="radio"/> Female
Staff Phone	<input type="text"/>	Staff Age	<input type="text"/>
Staff Email	<input type="text"/>		
Staff Duration	<input type="text"/>		

Insert

SId	SName	SAddre	SAge	SPhone	SGende
1	Zaw...	Clow...	23	0987...	Male...
2	Zaw...	Pster...	30	0857...	Male...
3	Mos...	Mon...	31	0856...	Female

Back **Insert** **Reset**

1

Case Number	Case	Process	Result
1	Validation	Missing to fill Id to insert	Error Message Box will appear
2	Fill Update Data	Search data from grid view	Automatically to be appear
3	Viewing Successfully	After making important change click View	Success Message box will show
4	To insert the alternative in Database	Clicking the Insert button to move to another form	Staff Detail information will appear

AdminUpdate3

Get Started

Class ID	<input type="text"/>	Class Date	<input type="text"/>
Class Titles	<input type="text"/>	Class Session	<input type="text"/>
Trainer	<input type="text"/>	Class Fees	<input type="text"/>
Place	<input type="text"/>	Back	Update

Update Display

CLID	ClassT	Trainer	Place	ClassD
1	Zumba	John...	Cent...	8/11/...
2	Walk...	Aung...	Ayaw...	7/9/2...
3	Yoga	Sere...	Aust...	11/12...
4	Wres...	Mvint	Bago	7/8/2...

Reset

Get Started

<u>Class ID</u>	4	<u>Class Date</u>	7/8/2018
<u>Class Titles</u>	Wrestling	<u>Class Session</u>	Monday-Sund
<u>Trainer</u>	Myint	<u>Class Fees</u>	750000
<u>Place</u>	Bago	Back	Update

Update Display

	CLID	ClassT	Trainer	Place	ClassD:
1	1	Zumba	John...	Cent...	8/11/...
2	2	Walk...	Aung...	Avaw...	7/9/2...
3	3	Yoga	Sere...	Aust...	11/12...
4	4	Wres...	Myint	Bago	7/8/2...

Case Number	Case	Process	Result
1	Validation	Missing to fill Id to update	Error Message Box will appear
2	Fill Update Data	Click data from grid view	Automatically to be appear
3	Updating Successfully	After making important change click update view	Success Message box will show
4	To insert the alternative in Database	Clicking the Update button to update	Class Detail information will appear

AdminDelete

Search View Update Insert Delete Logout

Delete
 Member Trainer Staff
 Class Enrollment **Delete ID:** 8 **Delete**

MID	MName	PGuard	CNumber	Email	Address	Gender
3	Myoau...	mother	+9587...	aung@...	Manda...	Male
4	Myouraf	mother	+9847...	aungk...	niaghr	Male
5	MyoA...	Mother	99875...	sfdghj...	dgjk	Female
6	Teache...	Mother	99874...	libunty...	Mya K...	Female
7	Minglar	Mother	98418...	Khush...	MayM...	Male
8	Aungko	Mother	99874...	AunK...	Yangon	Male
*						

AdminDelete

Search View Update Insert Delete Logout

Delete
 Member Trainer Staff
 Class Enrollment **Delete ID:** 8 **Delete**

MID	MName	PGuard	CNumber	Email	Address	Gender
1	AungK...	mother	09874...	kuos@...	mmon	Male
2	Bahf	mother	09784...	badh@...		Female
3	Myoau...	mother	+9587...	aung@...		Male
4	Myouraf	mother	+9847...	aungk...		Male
5	MyoA...	Mother	99875...	sfdghj...		Female
6	Teache...	Mother	99874...	libunty...	Mya K...	Female
7	Minglar	Mother	98418...	Khush...	MayM...	Male
*						

Member ID Deleted

OK

Case Number	Case	Process	Result
1	Validation	Missing to fill Id to delete	Error Message Box will appear
2	Fill delete Data	Click data from grid view	Automatically to be appear
3	Deleting Successfully	Click the delete button	Success Message box will show
4	To view the alternative in Database	Clicking the view button to update	Member deleted area Detail information will appear

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