

CODE FOR LOGIN & SIGN IN PAGE

```
#pragma once
#include "Sign_in.h"
#include "connection.h"
#include "Booking.h"
#include "main_form.h"

namespace Railway_ticket_booking{

    using namespace System;
    using namespace System::ComponentModel;
    using namespace System::Collections;
    using namespace System::Windows::Forms;
    using namespace System::Data;
    using namespace System::Drawing;

    /// <summary>
    /// Summary for login
    /// </summary>
    public ref class login : public System::Windows::Forms::Form
    {
    public:
        login(void)
        {
            InitializeComponent();
            //
            //TODO: Add the constructor code here
            //
        }

    protected:
        /// <summary>
        /// Clean up any resources being used.
        /// </summary>
        ~login()
        {
            if (components)
            {
                delete components;
            }
        }
    }
```

```
private: System::Windows::Forms::PictureBox^ pictureBox1;
private: System::Windows::Forms::Label^ label1;
private: System::Windows::Forms::Button^ btn_login;
private: System::Windows::Forms::Label^ label3;
private: System::Windows::Forms::Label^ label2;
private: System::Windows::Forms::TextBox^ txt_PW;
private: System::Windows::Forms::TextBox^ txt_UN;
private: System::Windows::Forms::Label^ label4;
protected:
```

```
private:
    /// <summary>
    /// Required designer variable.
    /// </summary>
    System::ComponentModel::Container^ components;
```

#pragma region Windows Form Designer generated code

```
    /// <summary>
    /// Required method for Designer support - do not modify
    /// the contents of this method with the code editor.
    /// </summary>
    void InitializeComponent(void)
    {
        System::ComponentModel::ComponentResourceManager^ resources =
(gcnew System::ComponentModel::ComponentResourceManager(login::typeid));
        this->pictureBox1 = (gcnew System::Windows::Forms::PictureBox());
        this->label1 = (gcnew System::Windows::Forms::Label());
        this->btn_login = (gcnew System::Windows::Forms::Button());
        this->label3 = (gcnew System::Windows::Forms::Label());
        this->label2 = (gcnew System::Windows::Forms::Label());
        this->txt_PW = (gcnew System::Windows::Forms::TextBox());
        this->txt_UN = (gcnew System::Windows::Forms::TextBox());
        this->label4 = (gcnew System::Windows::Forms::Label());
        (cli::safe_cast<System::ComponentModel::ISupportInitialize^>(this-
>pictureBox1))->BeginInit();
        this->SuspendLayout();
        //
        // pictureBox1
        //
        this->pictureBox1->BackColor =
System::Drawing::Color::FromArgb(static_cast<System::Int32>(static_cast<System::Byte>(64)),
static_cast<System::Int32>(static_cast<System::Byte>(64)),
static_cast<System::Int32>(static_cast<System::Byte>(64)));
```

```

        this->pictureBox1->BackgroundImage =
(cli::safe_cast<System::Drawing::Image^>(resources-
>GetObject(L"pictureBox1.BackgroundImage")));
        this->pictureBox1->BackgroundImageLayout =
System::Windows::Forms::ImageLayout::Stretch;
        this->pictureBox1->Dock = System::Windows::Forms::DockStyle::Left;
        this->pictureBox1->Location = System::Drawing::Point(0, 0);
        this->pictureBox1->Name = L"pictureBox1";
        this->pictureBox1->Size = System::Drawing::Size(527, 587);
        this->pictureBox1->TabIndex = 0;
        this->pictureBox1->TabStop = false;
        //
        // label1
        //
        this->label1->AutoSize = true;
        this->label1->Font = (gcnew System::Drawing::Font(L"Microsoft YaHei", 28.2F,
System::Drawing::FontStyle::Regular, System::Drawing::GraphicsUnit::Point,
        static_cast<System::Byte>(0)));
        this->label1->ForeColor = System::Drawing::SystemColors::ButtonHighlight;
        this->label1->Location = System::Drawing::Point(583, 25);
        this->label1->Name = L"label1";
        this->label1->Size = System::Drawing::Size(310, 186);
        this->label1->TabIndex = 1;
        this->label1->Text = L"Railway \r\nReservation \r\nSyatem";
        this->label1->TextAlign = System::Drawing::ContentAlignment::MiddleCenter;
        //
        // btn_login
        //
        this->btn_login->FlatAppearance->BorderSize = 2;
        this->btn_login->FlatAppearance->MouseOverBackColor =
System::Drawing::Color::Gray;
        this->btn_login->FlatStyle = System::Windows::Forms::FlatStyle::Flat;
        this->btn_login->Font = (gcnew System::Drawing::Font(L"Microsoft YaHei", 12,
System::Drawing::FontStyle::Bold, System::Drawing::GraphicsUnit::Point,
        static_cast<System::Byte>(0)));
        this->btn_login->ForeColor =
System::Drawing::SystemColors::ButtonHighlight;
        this->btn_login->Location = System::Drawing::Point(568, 446);
        this->btn_login->Name = L"btn_login";
        this->btn_login->Size = System::Drawing::Size(341, 54);
        this->btn_login->TabIndex = 10;
        this->btn_login->Text = L"Login";
        this->btn_login->UseVisualStyleBackColor = true;

```

```

        this->btn_login->Click += gcnew System::EventHandler(this,
&login::btn_login_Click);
        //
        // label3
        //
        this->label3->AutoSize = true;
        this->label3->Font = (gcnew System::Drawing::Font(L"Microsoft Sans Serif",
10.8F, System::Drawing::FontStyle::Bold, System::Drawing::GraphicsUnit::Point,
        static_cast<System::Byte>(0)));
        this->label3->ForeColor = System::Drawing::SystemColors::ButtonFace;
        this->label3->Location = System::Drawing::Point(693, 350);
        this->label3->Name = L"label3";
        this->label3->Size = System::Drawing::Size(90, 24);
        this->label3->TabIndex = 8;
        this->label3->Text = L"Pasword";
        //
        // label2
        //
        this->label2->AutoSize = true;
        this->label2->Font = (gcnew System::Drawing::Font(L"Microsoft Sans Serif",
10.8F, System::Drawing::FontStyle::Bold, System::Drawing::GraphicsUnit::Point,
        static_cast<System::Byte>(0)));
        this->label2->ForeColor = System::Drawing::SystemColors::ButtonFace;
        this->label2->Location = System::Drawing::Point(686, 264);
        this->label2->Name = L"label2";
        this->label2->Size = System::Drawing::Size(105, 24);
        this->label2->TabIndex = 9;
        this->label2->Text = L"Username";
        //
        // txt_PW
        //
        this->txt_PW->BorderStyle =
System::Windows::Forms::BorderStyle::FixedSingle;
        this->txt_PW->Font = (gcnew System::Drawing::Font(L"Microsoft YaHei UI",
13.8F, System::Drawing::FontStyle::Regular, System::Drawing::GraphicsUnit::Point,
        static_cast<System::Byte>(0)));
        this->txt_PW->Location = System::Drawing::Point(568, 382);
        this->txt_PW->Name = L"txt_PW";
        this->txt_PW->Size = System::Drawing::Size(341, 37);
        this->txt_PW->TabIndex = 7;
        this->txt_PW->UseSystemPasswordChar = true;
        //
        // txt_UN

```

```

//
this->txt_UN->BorderStyle =
System::Windows::Forms::BorderStyle::FixedSingle;
this->txt_UN->Font = (gcnew System::Drawing::Font(L"Microsoft YaHei UI",
13.8F, System::Drawing::FontStyle::Regular, System::Drawing::GraphicsUnit::Point,
static_cast<System::Byte>(0)));
this->txt_UN->Location = System::Drawing::Point(568, 299);
this->txt_UN->Name = L"txt_UN";
this->txt_UN->Size = System::Drawing::Size(341, 37);
this->txt_UN->TabIndex = 6;
//
// label4
//
this->label4->AutoSize = true;
this->label4->Font = (gcnew System::Drawing::Font(L"Microsoft Sans Serif",
10.8F, static_cast<System::Drawing::FontStyle>((System::Drawing::FontStyle::Bold |
System::Drawing::FontStyle::Underline)),
System::Drawing::GraphicsUnit::Point, static_cast<System::Byte>(0)));
this->label4->ForeColor = System::Drawing::SystemColors::ButtonFace;
this->label4->Location = System::Drawing::Point(699, 523);
this->label4->Name = L"label4";
this->label4->Size = System::Drawing::Size(78, 24);
this->label4->TabIndex = 11;
this->label4->Text = L"Sign IN";
this->label4->Click += gcnew System::EventHandler(this,
&login::label4_Click);
//
// login
//
this->AutoScaleDimensions = System::Drawing::SizeF(8, 16);
this->AutoScaleMode = System::Windows::Forms::AutoScaleMode::Font;
this->BackColor = System::Drawing::SystemColors::ActiveCaptionText;
this->ClientSize = System::Drawing::Size(943, 587);
this->Controls->Add(this->label4);
this->Controls->Add(this->btn_login);
this->Controls->Add(this->label3);
this->Controls->Add(this->label2);
this->Controls->Add(this->txt_PW);
this->Controls->Add(this->txt_UN);
this->Controls->Add(this->label1);
this->Controls->Add(this->pictureBox1);
this->FormBorderStyle =
System::Windows::Forms::FormBorderStyle::SizableToolWindow;

```

```

        this->Name = L"login";
        this->StartPosition =
System::Windows::Forms::FormStartPosition::CenterScreen;
        this->Text = L"login";
        this->Load += gcnew System::EventHandler(this, &login::login_Load);
        (cli::safe_cast<System::ComponentModel::ISupportInitialize^(this-
>pictureBox1))->EndInit();
        this->ResumeLayout(false);
        this->PerformLayout();

    }
#pragma endregion
    private: System::Void login_Load(System::Object^ sender, System::EventArgs^ e) {
    }
    private: System::Void btn_login_Click(System::Object^ sender, System::EventArgs^ e) {
        if (txt_UN->Text != "" || txt_PW->Text != "")
        {
            String^ SQL = "select [password],type from users where id='"+ txt_UN-
>Text+"'";

            DataTable^ dt = gcnew DataTable();
            SqlConnection sqlConn(connection::connString);
            sqlConn.Open();
            SqlDataAdapter adapter(SQL, % sqlConn);
            adapter.Fill(dt);
            sqlConn.Close();

            if (dt->Rows->Count > 0)
            {
                if (dt->Rows[0][0]->ToString() == txt_PW->Text)
                {
                    if (dt->Rows[0][1]->ToString()=="Passenger")
                    {
                        Booking^ book = gcnew Booking(this,txt_UN->Text);
                        book->Show();
                        this->Hide();
                    }
                    else
                    {
                        main_form^ mainf = gcnew main_form(this);
                        mainf->Show();
                        this->Hide();
                    }
                }
            }
        }
    }

```

```

        }
        else
        {
            MessageBox::Show("Check you'r password", "Alert");
        }
    }
    else
    {
        MessageBox::Show("No User found", "Alert");
    }

}
else
{
    MessageBox::Show("Enter the data", "Alert");
}
}
private: System::Void label4_Click(System::Object^ sender, System::EventArgs^ e) {
    Sign_in^ sin = gcnew Sign_in();
    sin->Show();
}
};
}

```

@ Aravinda Deshan

CODE FOR CLASS SET

```
#pragma once
#include "place.h"
#include "set_train.h"
#include "class_set.h"

namespace Railway_ticket_booking{

    using namespace System;
    using namespace System::ComponentModel;
    using namespace System::Collections;
    using namespace System::Windows::Forms;
    using namespace System::Data;
    using namespace System::Drawing;

    /// <summary>
    /// Summary for main_form
    /// </summary>
    public ref class main_form : public System::Windows::Forms::Form
    {
        Form^ obj;

    public:
        main_form(void)
        {
            InitializeComponent();
            //
            //TODO: Add the constructor code here
            //
        }

        main_form(Form^ obj1)
        {
            obj = obj1;

            InitializeComponent();
            //
            //TODO: Add the constructor code here
            //
        }
    }
}
```


protected:

```
/// <summary>
/// Clean up any resources being used.
/// </summary>
~main_form()
{
    if (components)
    {
        delete components;
    }
}
```

```
private: System::Windows::Forms::Label^ label1;
private: System::Windows::Forms::Button^ btn_place;
private: System::Windows::Forms::Button^ button1;
```

```
private: System::Windows::Forms::Button^ button3;
private: System::Windows::Forms::Button^ button2;
```

protected:

```
private:
/// <summary>
/// Required designer variable.
/// </summary>
System::ComponentModel::Container^ components;
```

#pragma region Windows Form Designer generated code

```
/// <summary>
/// Required method for Designer support - do not modify
/// the contents of this method with the code editor.
/// </summary>
void InitializeComponent(void)
{
    this->label1 = (gcnew System::Windows::Forms::Label());
    this->btn_place = (gcnew System::Windows::Forms::Button());
    this->button1 = (gcnew System::Windows::Forms::Button());
    this->button3 = (gcnew System::Windows::Forms::Button());
    this->button2 = (gcnew System::Windows::Forms::Button());
    this->SuspendLayout();
    //
    // label1
    //
    this->label1->AutoSize = true;
```

```

        this->label1->Font = (gcnew System::Drawing::Font(L"Microsoft YaHei", 28.2F,
System::Drawing::FontStyle::Regular, System::Drawing::GraphicsUnit::Point,
        static_cast<System::Byte>(0)));
        this->label1->ForeColor = System::Drawing::SystemColors::ButtonHighlight;
        this->label1->Location = System::Drawing::Point(108, 20);
        this->label1->Name = L"label1";
        this->label1->Size = System::Drawing::Size(677, 124);
        this->label1->TabIndex = 2;
        this->label1->Text = L"Welcome to \r\nRailway Reservation System";
        this->label1->TextAlign = System::Drawing::ContentAlignment::MiddleCenter;
        //
        // btn_place
        //
        this->btn_place->FlatAppearance->BorderSize = 2;
        this->btn_place->FlatAppearance->MouseOverBackColor =
System::Drawing::Color::Gray;
        this->btn_place->FlatStyle = System::Windows::Forms::FlatStyle::Flat;
        this->btn_place->Font = (gcnew System::Drawing::Font(L"Microsoft YaHei",
12, System::Drawing::FontStyle::Bold, System::Drawing::GraphicsUnit::Point,
        static_cast<System::Byte>(0)));
        this->btn_place->ForeColor =
System::Drawing::SystemColors::ButtonHighlight;
        this->btn_place->Location = System::Drawing::Point(260, 217);
        this->btn_place->Name = L"btn_place";
        this->btn_place->Size = System::Drawing::Size(341, 63);
        this->btn_place->TabIndex = 11;
        this->btn_place->Text = L"Place Manage";
        this->btn_place->UseVisualStyleBackColor = true;
        this->btn_place->Click += gcnew System::EventHandler(this,
&main_form::btn_place_Click);
        //
        // button1
        //
        this->button1->FlatAppearance->BorderSize = 2;
        this->button1->FlatAppearance->MouseOverBackColor =
System::Drawing::Color::Gray;
        this->button1->FlatStyle = System::Windows::Forms::FlatStyle::Flat;
        this->button1->Font = (gcnew System::Drawing::Font(L"Microsoft YaHei", 12,
System::Drawing::FontStyle::Bold, System::Drawing::GraphicsUnit::Point,
        static_cast<System::Byte>(0)));
        this->button1->ForeColor = System::Drawing::SystemColors::ButtonHighlight;
        this->button1->Location = System::Drawing::Point(260, 367);
        this->button1->Name = L"button1";

```

```

        this->button1->Size = System::Drawing::Size(341, 63);
        this->button1->TabIndex = 11;
        this->button1->Text = L"Routes Set";
        this->button1->UseVisualStyleBackColor = true;
        this->button1->Click += gcnew System::EventHandler(this,
&main_form::button1_Click);
        //
        // button3
        //
        this->button3->FlatAppearance->BorderSize = 2;
        this->button3->FlatAppearance->MouseOverBackColor =
System::Drawing::Color::Gray;
        this->button3->FlatStyle = System::Windows::Forms::FlatStyle::Flat;
        this->button3->Font = (gcnew System::Drawing::Font(L"Microsoft YaHei", 12,
System::Drawing::FontStyle::Bold, System::Drawing::GraphicsUnit::Point,
        static_cast<System::Byte>(0)));
        this->button3->ForeColor = System::Drawing::SystemColors::ButtonHighlight;
        this->button3->Location = System::Drawing::Point(260, 447);
        this->button3->Name = L"button3";
        this->button3->Size = System::Drawing::Size(341, 47);
        this->button3->TabIndex = 11;
        this->button3->Text = L"Exit";
        this->button3->UseVisualStyleBackColor = true;
        this->button3->Click += gcnew System::EventHandler(this,
&main_form::button3_Click);
        //
        // button2
        //
        this->button2->FlatAppearance->BorderSize = 2;
        this->button2->FlatAppearance->MouseOverBackColor =
System::Drawing::Color::Gray;
        this->button2->FlatStyle = System::Windows::Forms::FlatStyle::Flat;
        this->button2->Font = (gcnew System::Drawing::Font(L"Microsoft YaHei", 12,
System::Drawing::FontStyle::Bold, System::Drawing::GraphicsUnit::Point,
        static_cast<System::Byte>(0)));
        this->button2->ForeColor = System::Drawing::SystemColors::ButtonHighlight;
        this->button2->Location = System::Drawing::Point(260, 291);
        this->button2->Name = L"button2";
        this->button2->Size = System::Drawing::Size(341, 63);
        this->button2->TabIndex = 11;
        this->button2->Text = L"Class set";
        this->button2->UseVisualStyleBackColor = true;

```

```

        this->button2->Click += gcnew System::EventHandler(this,
&main_form::button2_Click);
        //
        // main_form
        //
        this->AutoScaleDimensions = System::Drawing::SizeF(8, 16);
        this->AutoScaleMode = System::Windows::Forms::AutoScaleMode::Font;
        this->BackColor = System::Drawing::SystemColors::ActiveCaptionText;
        this->ClientSize = System::Drawing::Size(879, 543);
        this->Controls->Add(this->button3);
        this->Controls->Add(this->button2);
        this->Controls->Add(this->button1);
        this->Controls->Add(this->btn_place);
        this->Controls->Add(this->label1);
        this->FormBorderStyle =
System::Windows::Forms::FormBorderStyle::SizableToolWindow;
        this->Name = L"main_form";
        this->StartPosition =
System::Windows::Forms::FormStartPosition::CenterScreen;
        this->Text = L"main_form";
        this->FormClosed += gcnew
System::Windows::Forms::FormClosedEventHandler(this, &main_form::main_form_FormClosed);
        this->Load += gcnew System::EventHandler(this,
&main_form::main_form_Load);
        this->ResumeLayout(false);
        this->PerformLayout();

    }
#pragma endregion
    private: System::Void main_form_FormClosed(System::Object^ sender,
System::Windows::Forms::FormClosedEventArgs^ e) {
        Application::Exit();
    }
    private: System::Void main_form_Load(System::Object^ sender, System::EventArgs^ e) {
    }
    private: System::Void btn_place_Click(System::Object^ sender, System::EventArgs^ e) {
        place^ plc = gcnew place();
        plc->Show();
    }
    private: System::Void button1_Click(System::Object^ sender, System::EventArgs^ e) {
        set_train^ st = gcnew set_train();
        st->Show();
    }
}

```

```
private: System::Void button3_Click(System::Object^ sender, System::EventArgs^ e) {  
    obj->Show();  
    this->Hide();  
}  
private: System::Void button2_Click(System::Object^ sender, System::EventArgs^ e) {  
    class_set^ cl = gcnew class_set();  
    cl->Show();  
}  
};  
}
```

@ Aravinda Deshan

PLACE SELECTION

```
#pragma once
```

```
#include "place.h"
```

```
#include "set_train.h"
```

```
#include "class_set.h"
```

```
namespace Railway_ticket_booking{
```

```
    using namespace System;
```

```
    using namespace System::ComponentModel;
```

```
    using namespace System::Collections;
```

```
    using namespace System::Windows::Forms;
```

```
    using namespace System::Data;
```

```
    using namespace System::Drawing;
```

```
    /// <summary>
```

```
    /// Summary for main_form
```

```
    /// </summary>
```

```
    public ref class main_form : public System::Windows::Forms::Form
```

```
    {
```

```
        Form^ obj;
```

```
    public:
```

```
        main_form(void)
```

```
        {
```

```
            InitializeComponent();
```

```
            //
```

```
            //TODO: Add the constructor code here
```

```
            //
```

```
}
```

```
main_form(Form^ obj1)
```

```
{
```

```
    obj = obj1;
```

```
    InitializeComponent();
```

```
    //
```

```
    //TODO: Add the constructor code here
```

```
    //
```

```
}
```

```
protected:
```

```
    /// <summary>
```

```
    /// Clean up any resources being used.
```

```
    /// </summary>
```

```
    ~main_form()
```

```
{
```

```
    if (components)
```

```
    {
```

```
        delete components;
```

```
    }
```

```
}
```

```
private: System::Windows::Forms::Label^ label1;
```

```
private: System::Windows::Forms::Button^ btn_place;
```

```
private: System::Windows::Forms::Button^ button1;
```

```
private: System::Windows::Forms::Button^ button3;
```

```
private: System::Windows::Forms::Button^ button2;
```

protected:

private:

```
/// <summary>
```

```
/// Required designer variable.
```

```
/// </summary>
```

```
System::ComponentModel::Container^ components;
```

#pragma region Windows Form Designer generated code

```
/// <summary>
```

```
/// Required method for Designer support - do not modify
```

```
/// the contents of this method with the code editor.
```

```
/// </summary>
```

```
void InitializeComponent(void)
```

```
{
```

```
    this->label1 = (gcnew System::Windows::Forms::Label());
```

```
    this->btn_place = (gcnew System::Windows::Forms::Button());
```

```
    this->button1 = (gcnew System::Windows::Forms::Button());
```

```
    this->button3 = (gcnew System::Windows::Forms::Button());
```

```
    this->button2 = (gcnew System::Windows::Forms::Button());
```

```
    this->SuspendLayout();
```

```
    //
```

```
    // label1
```

```
    //
```

```
    this->label1->AutoSize = true;
```

```
    this->label1->Font = (gcnew System::Drawing::Font(L"Microsoft YaHei", 28.2F,  
System::Drawing::FontStyle::Regular, System::Drawing::GraphicsUnit::Point,
```

```
    static_cast<System::Byte>(0)));
```

```
    this->label1->ForeColor = System::Drawing::SystemColors::ButtonHighlight;
```

```
    this->label1->Location = System::Drawing::Point(108, 20);
```



```

        this->label1->Name = L"label1";

        this->label1->Size = System::Drawing::Size(677, 124);

        this->label1->TabIndex = 2;

        this->label1->Text = L"Welcome to \r\nRailway Reservation System";

        this->label1->TextAlign = System::Drawing::ContentAlignment::MiddleCenter;

        //

        // btn_place

        //

        this->btn_place->FlatAppearance->BorderSize = 2;

        this->btn_place->FlatAppearance->MouseOverBackColor =
System::Drawing::Color::Gray;

        this->btn_place->FlatStyle = System::Windows::Forms::FlatStyle::Flat;

        this->btn_place->Font = (gcnew System::Drawing::Font(L"Microsoft YaHei",
12, System::Drawing::FontStyle::Bold, System::Drawing::GraphicsUnit::Point,
        static_cast<System::Byte>(0)));

        this->btn_place->ForeColor =
System::Drawing::SystemColors::ButtonHighlight;

        this->btn_place->Location = System::Drawing::Point(260, 217);

        this->btn_place->Name = L"btn_place";

        this->btn_place->Size = System::Drawing::Size(341, 63);

        this->btn_place->TabIndex = 11;

        this->btn_place->Text = L"Place Manage";

        this->btn_place->UseVisualStyleBackColor = true;

        this->btn_place->Click += gcnew System::EventHandler(this,
&main_form::btn_place_Click);

        //

        // button1

        //

        this->button1->FlatAppearance->BorderSize = 2;

        this->button1->FlatAppearance->MouseOverBackColor =
System::Drawing::Color::Gray;

```

```

        this->button1->FlatStyle = System::Windows::Forms::FlatStyle::Flat;

        this->button1->Font = (gcnew System::Drawing::Font(L"Microsoft YaHei", 12,
System::Drawing::FontStyle::Bold, System::Drawing::GraphicsUnit::Point,

            static_cast<System::Byte>(0)));

        this->button1->ForeColor = System::Drawing::SystemColors::ButtonHighlight;

        this->button1->Location = System::Drawing::Point(260, 367);

        this->button1->Name = L"button1";

        this->button1->Size = System::Drawing::Size(341, 63);

        this->button1->TabIndex = 11;

        this->button1->Text = L"Routes Set";

        this->button1->UseVisualStyleBackColor = true;

        this->button1->Click += gcnew System::EventHandler(this,
&main_form::button1_Click);

        //
        // button3
        //
        this->button3->FlatAppearance->BorderSize = 2;

        this->button3->FlatAppearance->MouseOverBackColor =
System::Drawing::Color::Gray;

        this->button3->FlatStyle = System::Windows::Forms::FlatStyle::Flat;

        this->button3->Font = (gcnew System::Drawing::Font(L"Microsoft YaHei", 12,
System::Drawing::FontStyle::Bold, System::Drawing::GraphicsUnit::Point,

            static_cast<System::Byte>(0)));

        this->button3->ForeColor = System::Drawing::SystemColors::ButtonHighlight;

        this->button3->Location = System::Drawing::Point(260, 447);

        this->button3->Name = L"button3";

        this->button3->Size = System::Drawing::Size(341, 47);

        this->button3->TabIndex = 11;

        this->button3->Text = L"Exit";

        this->button3->UseVisualStyleBackColor = true;

```

```
        this->button3->Click += gcnew System::EventHandler(this,
&main_form::button3_Click);

        //

        // button2

        //

        this->button2->FlatAppearance->BorderSize = 2;

        this->button2->FlatAppearance->MouseOverBackColor =
System::Drawing::Color::Gray;

        this->button2->FlatStyle = System::Windows::Forms::FlatStyle::Flat;

        this->button2->Font = (gcnew System::Drawing::Font(L"Microsoft YaHei", 12,
System::Drawing::FontStyle::Bold, System::Drawing::GraphicsUnit::Point,

            static_cast<System::Byte>(0)));

        this->button2->ForeColor = System::Drawing::SystemColors::ButtonHighlight;

        this->button2->Location = System::Drawing::Point(260, 291);

        this->button2->Name = L"button2";

        this->button2->Size = System::Drawing::Size(341, 63);

        this->button2->TabIndex = 11;

        this->button2->Text = L"Class set";

        this->button2->UseVisualStyleBackColor = true;

        this->button2->Click += gcnew System::EventHandler(this,
&main_form::button2_Click);

        //

        // main_form

        //

        this->AutoScaleDimensions = System::Drawing::SizeF(8, 16);

        this->AutoScaleMode = System::Windows::Forms::AutoScaleMode::Font;

        this->BackColor = System::Drawing::SystemColors::ActiveCaptionText;

        this->ClientSize = System::Drawing::Size(879, 543);

        this->Controls->Add(this->button3);

        this->Controls->Add(this->button2);

        this->Controls->Add(this->button1);
```

```

        this->Controls->Add(this->btn_place);

        this->Controls->Add(this->label1);

        this->FormBorderStyle =
System::Windows::Forms::FormBorderStyle::SizableToolWindow;

        this->Name = L"main_form";

        this->StartPosition =
System::Windows::Forms::FormStartPosition::CenterScreen;

        this->Text = L"main_form";

        this->FormClosed += gcnew
System::Windows::Forms::FormClosedEventHandler(this, &main_form::main_form_FormClosed);

        this->Load += gcnew System::EventHandler(this,
&main_form::main_form_Load);

        this->ResumeLayout(false);

        this->PerformLayout();

    }
#pragma endregion

private: System::Void main_form_FormClosed(System::Object^ sender,
System::Windows::Forms::FormClosedEventArgs^ e) {

    Application::Exit();

}

private: System::Void main_form_Load(System::Object^ sender, System::EventArgs^ e) {

}

private: System::Void btn_place_Click(System::Object^ sender, System::EventArgs^ e) {

    place^ plc = gcnew place();

    plc->Show();

}

private: System::Void button1_Click(System::Object^ sender, System::EventArgs^ e) {

    set_train^ st = gcnew set_train();

    st->Show();

}

```

```
private: System::Void button3_Click(System::Object^ sender, System::EventArgs^ e) {  
    obj->Show();  
    this->Hide();  
}  
private: System::Void button2_Click(System::Object^ sender, System::EventArgs^ e) {  
    class_set^ cl = gcnew class_set();  
    cl->Show();  
}  
};  
}
```

@ Aravinda Deshan

CONNECTIONS (DATA BASE)

```
#pragma once
```

```
#include "connection.h"
```

```
namespace Railway_ticket_booking{
```

```
    using namespace System;
```

```
    using namespace System::ComponentModel;
```

```
    using namespace System::Collections;
```

```
    using namespace System::Windows::Forms;
```

```
    using namespace System::Data;
```

```
    using namespace System::Drawing;
```

```
    using namespace System::Data::SqlClient;
```

```
    /// <summary>
```

```
    /// Summary for my_booking
```

```
    /// </summary>
```

```
    public ref class my_booking : public System::Windows::Forms::Form
```

```
    {
```

```
        String^ uid;
```

```
    public:
```

```
        my_booking(void)
```

```
        {
```

```
            InitializeComponent();
```

```
            //
```

```
            //TODO: Add the constructor code here
```

```
            //
```

```
}
```

```
my_booking(String^ uid1)
```

```
{
```

```
    uid = uid1;
```

```
    InitializeComponent();
```

```
    //
```

```
    //TODO: Add the constructor code here
```

```
    //
```

```
}
```

```
protected:
```

```
    /// <summary>
```

```
    /// Clean up any resources being used.
```

```
    /// </summary>
```

```
    ~my_booking()
```

```
{
```

```
    if (components)
```

```
    {
```

```
        delete components;
```

```
    }
```

```
}
```

```
private: System::Windows::Forms::Label^ label10;
```

```
private: System::Windows::Forms::DataGridView^ dataGridView1;
```

```
private: System::Windows::Forms::RadioButton^ radioButton1;
```

```
private: System::Windows::Forms::RadioButton^ radioButton4;
```

```
protected:
```

```
private:
```

```
    /// <summary>
```

```
/// Required designer variable.
```

```
/// </summary>
```

```
System::ComponentModel::Container^ components;
```

```
#pragma region Windows Form Designer generated code
```

```
/// <summary>
```

```
/// Required method for Designer support - do not modify
```

```
/// the contents of this method with the code editor.
```

```
/// </summary>
```

```
void InitializeComponent(void)
```

```
{
```

```
    this->label10 = (gcnew System::Windows::Forms::Label());
```

```
    this->dataGridView1 = (gcnew System::Windows::Forms::DataGridView());
```

```
    this->radioButton1 = (gcnew System::Windows::Forms::RadioButton());
```

```
    this->radioButton4 = (gcnew System::Windows::Forms::RadioButton());
```

```
    (cli::safe_cast<System::ComponentModel::ISupportInitialize^>(this->dataGridView1))->BeginInit();
```

```
    this->SuspendLayout();
```

```
    //
```

```
    // label10
```

```
    //
```

```
    this->label10->AutoSize = true;
```

```
    this->label10->Font = (gcnew System::Drawing::Font(L"Microsoft YaHei", 25.8F, System::Drawing::FontStyle::Regular, System::Drawing::GraphicsUnit::Point,
```

```
        static_cast<System::Byte>(0)));
```

```
    this->label10->ForeColor = System::Drawing::SystemColors::ButtonHighlight;
```

```
    this->label10->Location = System::Drawing::Point(337, 12);
```

```
    this->label10->Name = L"label10";
```

```
    this->label10->Size = System::Drawing::Size(273, 57);
```

```
    this->label10->TabIndex = 82;
```



```
this->label10->Text = L"My Booking";

this->label10->TextAlign =
System::Drawing::ContentAlignment::MiddleCenter;

//

// dataGridView1

//

this->dataGridView1->AllowUserToAddRows = false;

this->dataGridView1->AutoSizeColumnsMode =
System::Windows::Forms::DataGridViewAutoSizeColumnsMode::Fill;

this->dataGridView1->BackgroundColor =
System::Drawing::SystemColors::ButtonHighlight;

this->dataGridView1->ColumnHeadersHeightSizeMode =
System::Windows::Forms::DataGridViewColumnHeadersHeightSizeMode::AutoSize;

this->dataGridView1->Location = System::Drawing::Point(24, 128);

this->dataGridView1->Name = L"dataGridView1";

this->dataGridView1->RowHeadersVisible = false;

this->dataGridView1->RowHeadersWidth = 51;

this->dataGridView1->RowTemplate->Height = 24;

this->dataGridView1->Size = System::Drawing::Size(934, 409);

this->dataGridView1->TabIndex = 83;

//

// radioButton1

//

this->radioButton1->AutoSize = true;

this->radioButton1->Font = (gcnew System::Drawing::Font(L"Microsoft Sans
Serif", 12, System::Drawing::FontStyle::Bold, System::Drawing::GraphicsUnit::Point,

static_cast<System::Byte>(0)));

this->radioButton1->ForeColor =
System::Drawing::SystemColors::ButtonFace;

this->radioButton1->Location = System::Drawing::Point(219, 93);

this->radioButton1->Name = L"radioButton1";
```

```

        this->radioButton1->Size = System::Drawing::Size(178, 29);

        this->radioButton1->TabIndex = 84;

        this->radioButton1->Text = L"Expire Booking";

        this->radioButton1->UseVisualStyleBackColor = true;

        this->radioButton1->CheckedChanged += gcnew System::EventHandler(this,
&my_booking::radioButton1_CheckedChanged);

        //

        // radioButton4

        //

        this->radioButton4->AutoSize = true;

        this->radioButton4->Checked = true;

        this->radioButton4->Font = (gcnew System::Drawing::Font(L"Microsoft Sans
Serif", 12, System::Drawing::FontStyle::Bold, System::Drawing::GraphicsUnit::Point,

                static_cast<System::Byte>(0)));

        this->radioButton4->ForeColor =
System::Drawing::SystemColors::ButtonFace;

        this->radioButton4->Location = System::Drawing::Point(24, 93);

        this->radioButton4->Name = L"radioButton4";

        this->radioButton4->Size = System::Drawing::Size(159, 29);

        this->radioButton4->TabIndex = 85;

        this->radioButton4->TabStop = true;

        this->radioButton4->Text = L"New Booking";

        this->radioButton4->UseVisualStyleBackColor = true;

        this->radioButton4->CheckedChanged += gcnew System::EventHandler(this,
&my_booking::radioButton4_CheckedChanged);

        //

        // my_booking

        //

        this->AutoScaleDimensions = System::Drawing::SizeF(8, 16);

        this->AutoScaleMode = System::Windows::Forms::AutoScaleMode::Font;

        this->BackColor = System::Drawing::SystemColors::ActiveCaptionText;

```

```

        this->ClientSize = System::Drawing::Size(980, 549);

        this->Controls->Add(this->radioButton1);

        this->Controls->Add(this->radioButton4);

        this->Controls->Add(this->dataGridView1);

        this->Controls->Add(this->label10);

        this->FormBorderStyle =
System::Windows::Forms::FormBorderStyle::SizableToolWindow;

        this->Name = L"my_booking";

        this->StartPosition =
System::Windows::Forms::FormStartPosition::CenterScreen;

        this->Text = L"my_booking";

        this->Load += gcnew System::EventHandler(this,
&my_booking::my_booking_Load);

        (cli::safe_cast<System::ComponentModel::ISupportInitialize^>(this-
>dataGridView1))->EndInit();

        this->ResumeLayout(false);
        this->PerformLayout();

    }

#pragma endregion

    private: System::Void my_booking_Load(System::Object^ sender, System::EventArgs^ e) {

        String^ SQL = "select
b.BookingID,b.PassengerID,r.[TO],r.[From],r.Time,b.bookDate,b.class,b.SeatNumber,b.AmountPaid,
b.Vcode from Bookings as b inner join [Routes] as r on b.[Routes]=r.RouteID where
b.PassengerID='" + uid + "' and b.bookDate>=CONVERT(VARCHAR(10), getdate(), 110)";

        load(SQL);

    }

    void load(String^ SQL) {

        DataTable^ dt = gcnew DataTable();

        SqlConnection sqlConn(connection::connString);

        sqlConn.Open();

```

```

        SqlDataAdapter adapter(SQL, % sqlConn);

        adapter.Fill(dt);

        sqlConn.Close();

        dataGridView1->DataSource = dt;

    }

    private: System::Void radioButton4_CheckedChanged(System::Object^ sender,
System::EventArgs^ e) {

        String^ SQL = "select
b.BookingID,b.PassengerID,r.[TO],r.[From],r.Time,b.bookDate,b.class,b.SeatNumber,b.AmountPaid,
b.Vcode from Bookings as b inner join [Routes] as r on b.[Routes]=r.RouteID where
b.PassengerID='" + uid + "' and b.bookDate>=CONVERT(VARCHAR(10), getdate(), 110)";

        load(SQL);

    }

    private: System::Void radioButton1_CheckedChanged(System::Object^ sender,
System::EventArgs^ e) {

        String^ SQL = "select
b.BookingID,b.PassengerID,r.[TO],r.[From],r.Time,b.bookDate,b.class,b.SeatNumber,b.AmountPaid,
b.Vcode from Bookings as b inner join [Routes] as r on b.[Routes]=r.RouteID where
b.PassengerID='" + uid + "' and b.bookDate<CONVERT(VARCHAR(10), getdate(), 110)";

        load(SQL);

    }

};

}

```