cinema booking system

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Software Development HND

# Planning

## Project Proposal and Aims

My proposal is to design and develop a working prototype application for a cinema venue with 2 screening rooms that allows the venue employees to book and print tickets for customers to watch movies. The venue has an allocated seating policy only and different pricing structures for standard and premier seats.

The application will have a desktop user interface accessible from a desktop computer at the cashier desk which allows employees to choose the options which are verbally communicated to them by the customer.

The user interface will be used by the venue employees only and they must be logged in to access the booking functionality. There are also 2 types of employees within the venue; Cashier and Manager. Both can take bookings using the user interface but managers can also run reports on daily sales over a period or total sales by a cashier. The user interface will be responsive and intuitive to use with little training required and will follow the following pattern in a checkout process; Search for seat availability for a film screening, select seats via a screening room layout, checkout and print tickets.

Only after a successful login can searches be initiated. Via a search view when the film is selected all valid date and times are then listed for selection, once a valid date and time are selected the number of tickets can be entered along with the option to specify standard or premier seats. Once the search criteria is entered the user can then perform the search via a “Search” button.

If there are no seats available then an appropriate message box is displayed to indicate the screening is full and for the user to try searching again with other criteria. If seats for the search criteria are found then the main seat selection window is displayed showing the cinema room layout with colour coded seating to visually indicate seat availability.

|  |  |
| --- | --- |
| Seat Colour | Description |
| GREEN | Seat is available for selection |
| AMBER | Seat has already been selected |
| RED | The seat is already allocated |

To select seats the user clicks the seat using the mouse and the seat then turns AMBER (only available seats GREEN can be selected). Clicking an already selected seat will reset the availability and set it back to GREEN. A countdown of the seats during selection is maintained on the screen to show when the number of seats in the search criteria have been selected. When all selections are made the “Proceed to Checkout” button can be clicked which will open the checkout summary window with the movie summary, the selected seats and individual seat references and total price detailed. A “Checkout” button will allow the user to complete the transaction and the tickets are printed, the seats are then marked as no longer available in the system and the seats become RED (seat allocated), the seat can no longer be selected. In all interfaces a “Cancel” button will allow the user to abort the transaction which will release any seats in the checkout back to being available (GREEN).

The database itself must record and maintain the information required to drive the application; film name, age rating, showing date and times, duration, director, prices, screening rooms, seats and metadata indicating seating layout for screening rooms in order to build the seat selection interface. All transactions are recorded and sales data available to managers via the reporting function.

The database will be pre-populated with seat related data and any static reference data required to drive the application. No editor will be provided as the venue has fixed seat layouts.

# Requirements

## Functional Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| Reference | Functional Requirements | Priority | Implementation |
| F1 | A logon function must be provided when the application is launched. The client application should be available as an icon on the desktop | M | Yes |
| F2 | All Users must have successfully logged onto the system in order to perform any functions of the application. | M | Yes |
| F3 | A logout function must be available to the user and once logged out the application should return to the logon screen. | M | Yes |
| F4 | If there has been user inactivity of more than 10 minutes on the application the application should automatically log the user out and go back to the logon screen. | M | No |
| F5 | The logon screen should accept username and password. A Login button and Close button. | M | Yes |
| F6 | On logon if a user is not successful a message dialog should popup informing the user that their credentials are invalid and on dismissal the Login dialog should be represented with cleared credentials | M | Yes |
| F7 | On successful login the user should be presented with the main screen with the search function presented and ready for input criteria. | M | Yes |
| F8 | A toolbar should be available on the screen for logout functions for all users and a reports menu enabled for managers only | M | Yes |
| F9 | All users can perform searches with the following options available; selection of film title, selection of date and time for the film, the number of seats required and standard or premier seat selection | M | Yes\*  Descoped number of seats and standard/premier as added little value to the search |
| F10 | Premier and standard seats must have different pricing plans and changeable over time (this does not have to be managed via an interface but the database and application must have this capability). | M | Yes\*  Removed over time functionality – deferred to future version |
| F11 | Each screening room can have multiple screenings every day for different films. I.e. Screening Room 1 may have one film from 14:00 till 16:00 and another film available from 17:00 till 19:00 on the same day. | M | Yes |
| F12 | The user should be able to cancel a transaction at any point prior to finalising the sale. In which case any seats selected for a film screening should be made available again (turn GREEN). | M | Yes |
| F13 | After a successful search the user should be presented with the layout of the screening room with all seats presented on the screen in an intuitive manner | M | Yes |
| F14 | The film screening seat selection interface should colour code the seats to indicate the seat availability for the presented film screening. | M | Yes |
| F15 | Seats selected on the film screening selection interface should be indicated as AMBER. Total selected seats and the number of seats required from the search criteria applied during the search should be displayed and updated interactively. If more seats are selected than that specified on the search criteria then this should be visually indicated to the user and alerted via a message dialog asking to confirm the transaction prior to displaying the checkout screen. | M | Yes\*  Removed the seat count in search so partially implemented. |
| F16 | All checked out sales transactions should be logged against a user | M | Yes |
| F17 | The application must display total price payable by the customer so the cashier can advise the total before finalising the purchase. | M | Yes |
| F18 | The application must be able to cater for at least 2 screening rooms within the venue | S | Yes |
| F19 | Managers should be able to add or remove films to the system and setup screening times allocated to screening rooms | C | No  Although could be added via scripts directly as per data population scripts |
| F20 | Managers should be able to add and remove data from the system | C | No  Although could be added via scripts directly as per data population scripts |
| F21 | Reporting functions should be available for the manager to facilitate sales reports by period totalling sales per film per day within a specified date range and for a breakdown of cashier sales per film per day in a specified date range. | S | Yes |

\*Not fully implemented

## Non-functional Requirements

* The application should be intuitive and performant when seat selection is performed
* The application should be implemented in C# with a Forms based interface, the database should use SQL Server 2012 Express edition. Express could be used as NHibernate configuration can be easily changed, this version uses SQLServer CE4.0.
* The application is a prototype however it should be designed with a multi-tier architecture in mind. Typically 3-tiers of User Interface, service mid-tier and data tier.

# Development tools

## Visual studio 2010

Visual studio 2010 is an IDE (Integrated Development Environment) from Microsoft, it allows the creation of programs in various .NET supported programming languages with support for different target platforms; Client Application, Web applications and Mobile device applications. Visual studio is used in college therefore I am familiar with the technology. This IDE has been installed on my home desktop and is used for development of the prototype solution.

## C#

C# is a programing language widely used and supported directly within Visual Studio 2010. I have decided to complete my program in C# as it is the language I am most comfortable with. Java was another option I could have used but with greater knowledge and confidence in my abilities using C# and Visual Studio I have opted for that. The development will be done at home on my PC

## Microsoft Visio

Visio was primarily used to create the initial Class and Sequence diagrams for the design phase of the project. However after installing Visual Studio 2010 I have refactored the class and sequence diagrams within the IDE as it has a rich feature set for UML. Use case diagrams are still produced in Visio. Which is installed on my desktop PC at home.

## Microsoft Project

Project will allow me to plan my Tasks out and delegate appropriate durations and milestones. Through its software I will be able to portray the path I have taken to complete the system over time and manage the project timeline for task and milestone targets.

## Microsoft SQL server 2012 Express and SQL Server CE v4.0 edition

SQL server 2012 Express is a free version of the acclaimed SQL Server database platform from Microsoft. Initially the prototype used this version during the design phase. However to be used properly the database is required to be installed in a server environment. SQL Server CE v4.0 is a standalone version of this which can be distributed with the application as a separate file based database (albeit a cut down version of SQL Server). By using NHibernate the application can be configured to access any backend through an xml configuration without changing the application itself. SQL Server CE has therefore been used in order to distribute the application fully. The database will contain all relevant information about films, screenings, screening rooms and customer ticket orders.

## NHibernate

An Object to Relational Mapping (ORM) tool for .NET C#. NHibernate is a widely used ORM which abstracts the data tier of applications from the business tier. It encapsulates the target domain model in a program friendly way allowing development to focus on business logic. NHibernate can be used to manage the database in an efficient manner through mappings from the business domain classes in a number of ways; through the use of POCO (Plain Old CLR Objects), via standard SQL, and HQL which is an OO based NHibernate SQL like language. NHibernate is a port of the renowned Java Hibernate toolset to the .NET platform.

# Hardware Specified

Lenovo Desktop PC

* Processor: Intel® core™ i7-3770 CPU @ 3.40 GHz 3.40GHz
* Installed memory (RAM): 16GB
* System type: Windows 8 64 Bit Operating System, x64-based processor

# Application Architecture

This prototype has been designed and implemented for a 3-tier architecture.

Forms User Interface

Domain Services

Data Tier

Database

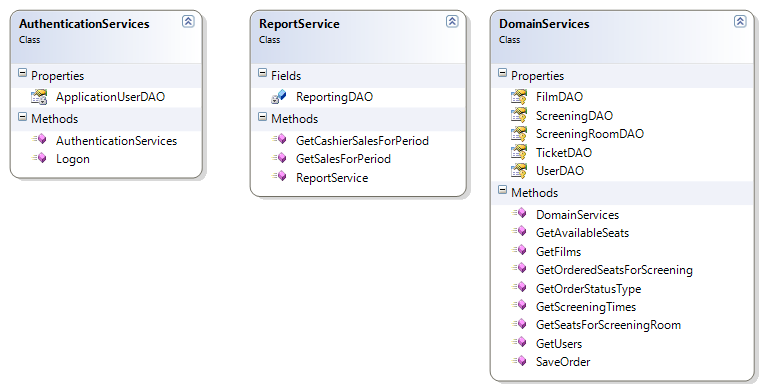
Domain Model

## User Tier

Windows Forms user interface. The Code behind pages of the forms only interact with the Domain Services. This tier is detailed in the code in the Appendix and in the screen guide.

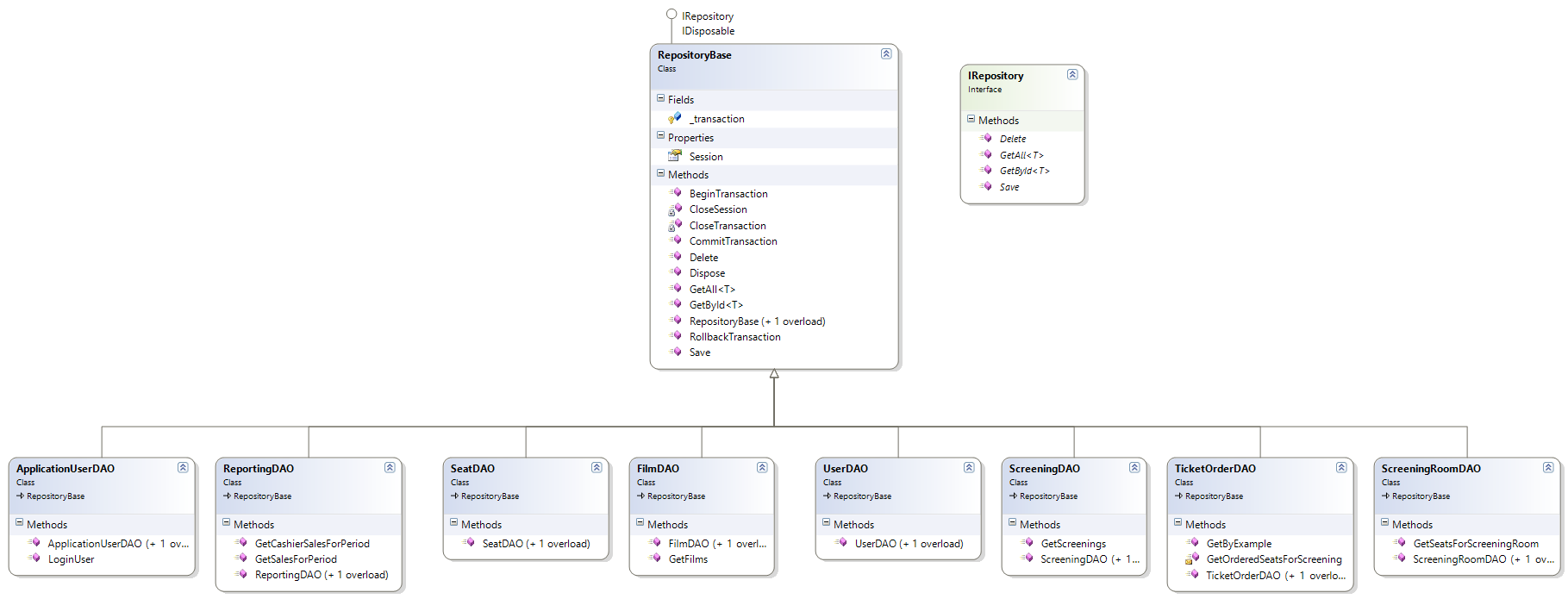
## Service Business Tier

Accessed from the frontend code behind pages of the forms this tier abstracts the data tier from client code. The user interface tier has no knowledge of the data tier or database. However as with all tiers the Domain Model is common.



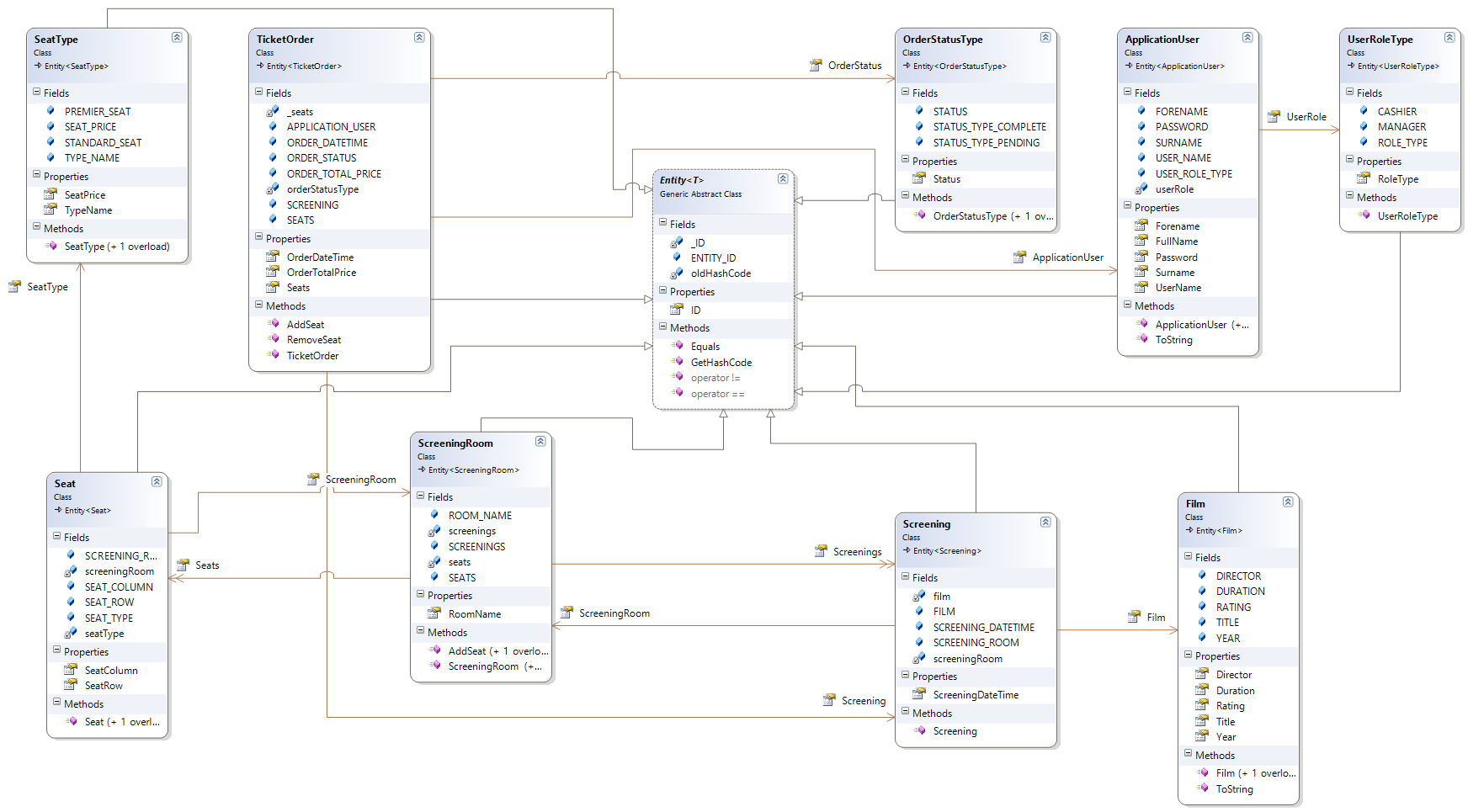
## Data Tier

Uses NHibernate to manage the database connectivity. Maps the Domain Classes to the database tables. Only the Domain Services can access the Data Tier via the Repository Pattern and Data Access Objects. This tier implements the Repository pattern which is a well-known ORM pattern.



## Domain Model

POCO classes that are used by all tiers. All domain classes inherit from the Generic Entity class.



# Program User Guide

## Login screen

When the user starts the program a logon screen will appear. The user would be an employee and have credentials that include a username and password which are stored on the database. Both the username and password are entered into the respective textboxes.

This prototype has two users set up for test purposes. One manager and one cashier.

|  |  |  |
| --- | --- | --- |
| User role | UserName | Password |
| Manager | JOHNDOE | letmein |
| Cashier | JANEDOE | letmein2 |

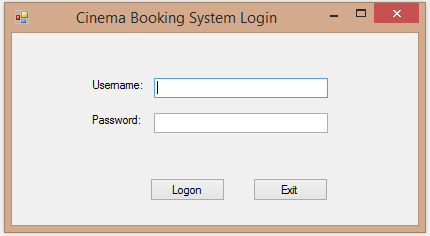


Figure 1-Logon Form

If credentials are present and correct in database the user will be logged on, otherwise, the user will be prompt by a message box to re-enter.

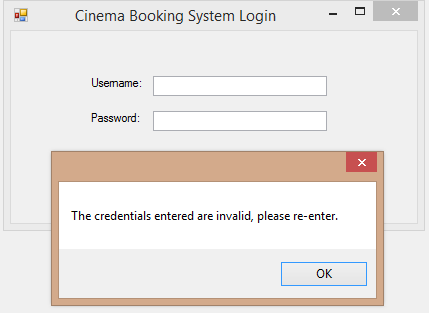


Figure 2- invalid username/password message box

## Main screen

Once logged in the user will be shown the main cinema booking system form. This consists of a list of films in the database, the times of these films from the current system date/time and the ability to select and search these criteria.

This prototype has limited film titles and showings.

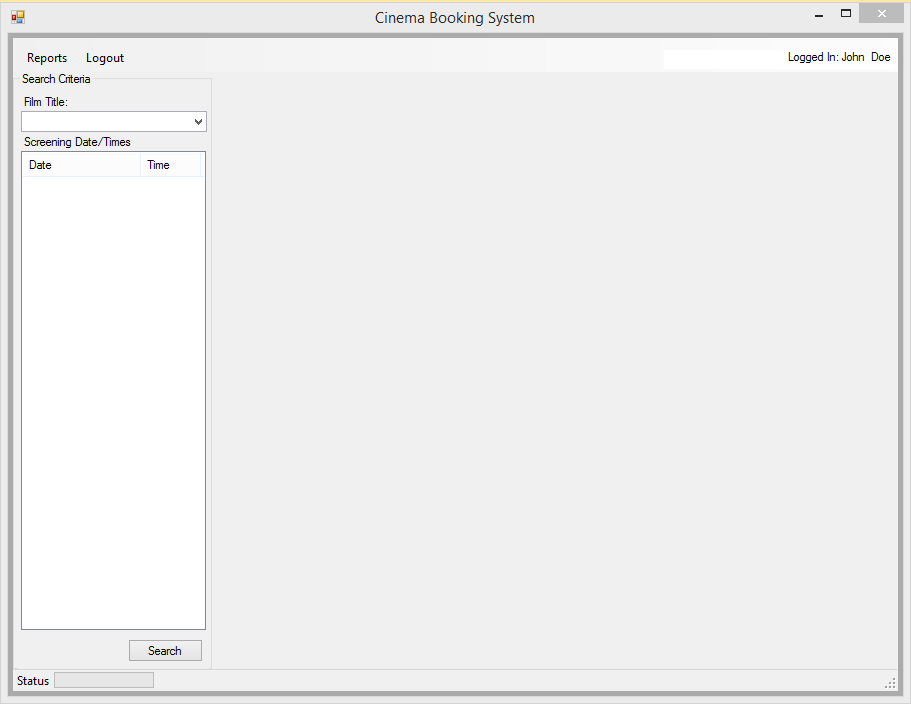


Figure 3- Main form with search criteria

Once the criteria has been entered and the search button clicked a full seating arrangement will be shown with the colours of seats green or red, green being available and red being unavailable. Seats are categorised into 2 types. Standard and premier, both differentiated through their image (premier being larger).

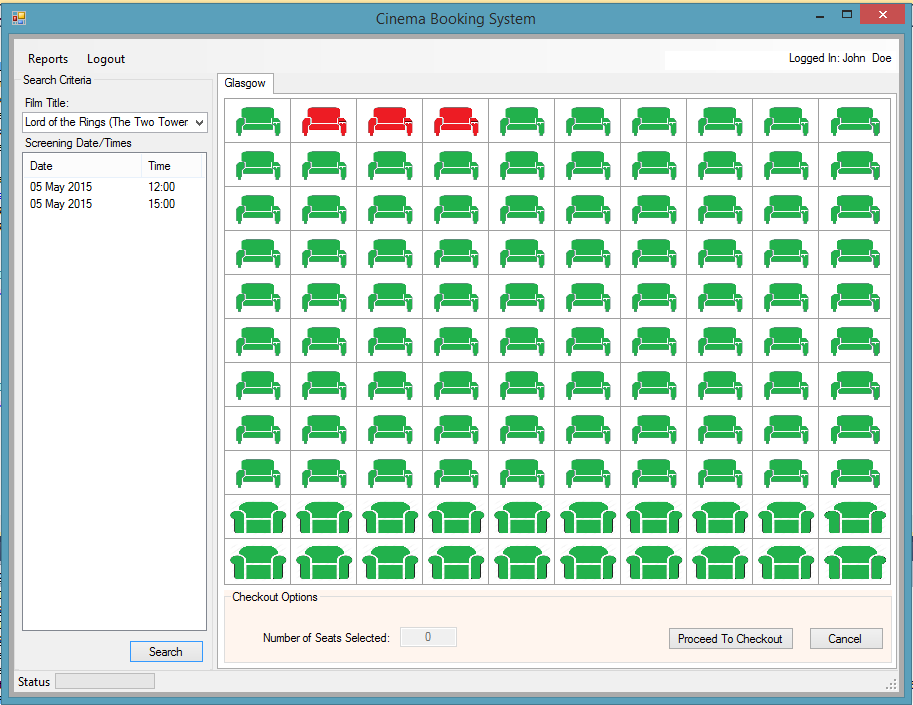
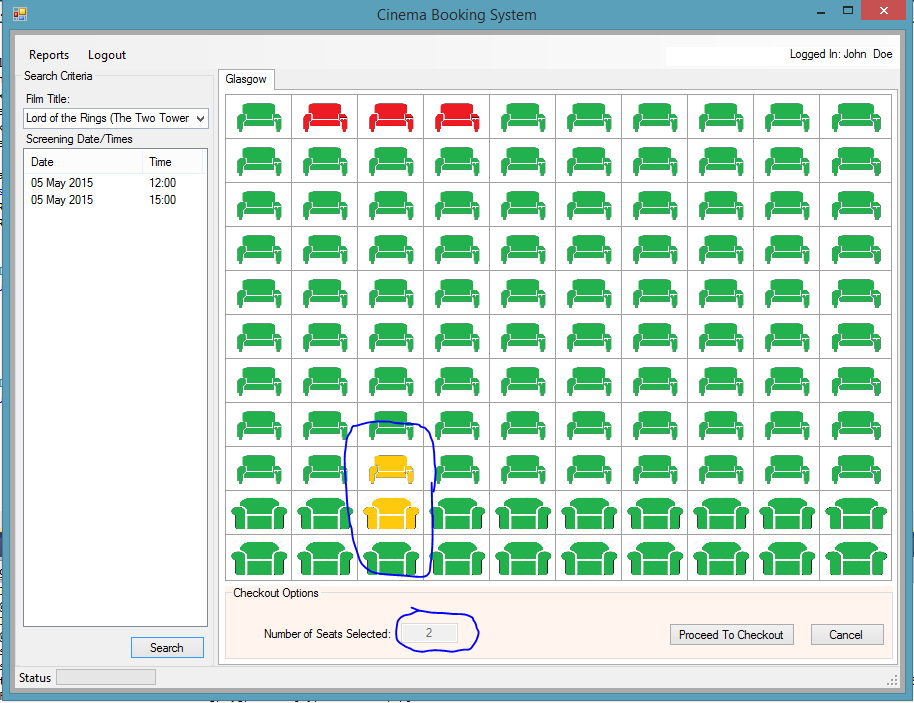


Figure 4- Main form showing available seats corresponding to search criteria.

When seats are selected the turn amber to notify the user that the seats have been selected. After the user has selected seats he can proceed to checkout through the checkout button.



The ability to logout is available in the main screen at the top left of the form.

## Checkout screen

This screen displays all relevant information to the order, this includes (film title, date, time, screening room, Director and Rating). A list with the form includes a cancel button to terminate the order and checkout to confirm the order. The selected seat information is given in list view and contains the seat(s) selected, Seat type and Price. At the bottom is a brief summary of the total seats and price.

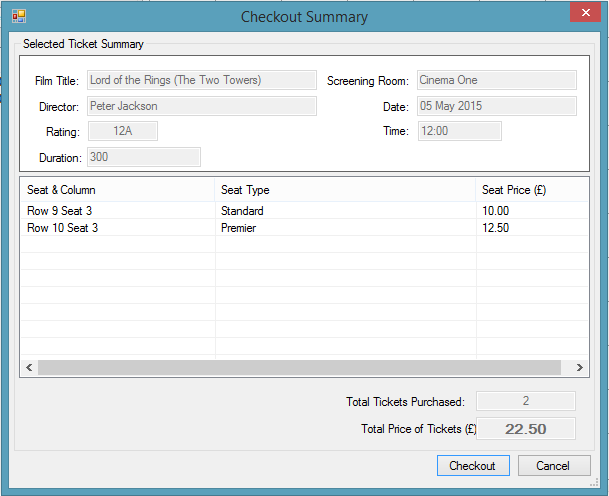


Figure 5- Checkout summary

Once the checkout button is pressed the application will alter those purchased seats in that showing from green to red, indicating that they have been purchased and are now unselect able.

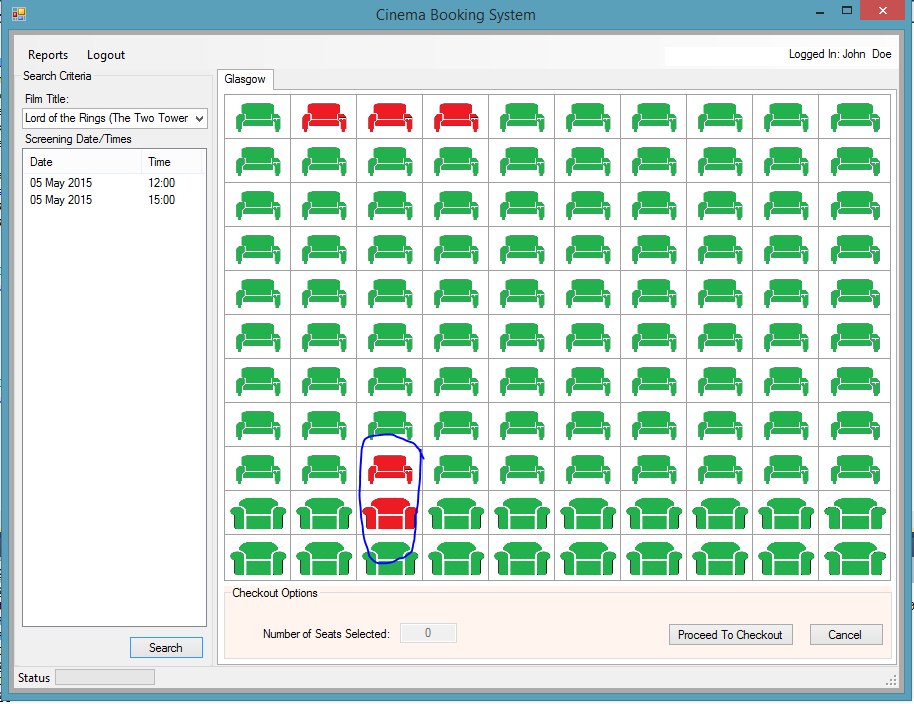
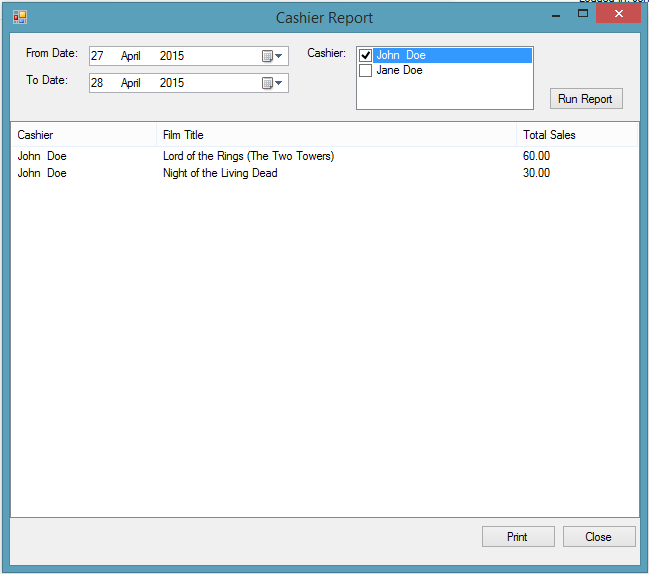


Figure 6- main Form with updated seat selection

## Reports Function

### Cashier Report

The cashier report allows Managers to see how much revenue each Cashier has brought in from all valid film in a period. The form includes Date time pickers to specify the dates. A checklist box indicates the cashiers/employees that can be selected.



Pressing Run of the report will execute the query with the specified criteria on the database and return all valid sales. The sales are then grouped by User and Film and the accumulated Total sales price calculated. Only one row per user per film is displayed for the period.

The print button would normally print the report to the printer. This is deferred functionality to another phase and currently if pressed a message box will appear.

### Sales Report

The sales report allows an admin to see how film sales are doing between specific dates. Using the date time pickers for the “from date” and “to date”, the admin can press the run report button to see the total sales within the period.

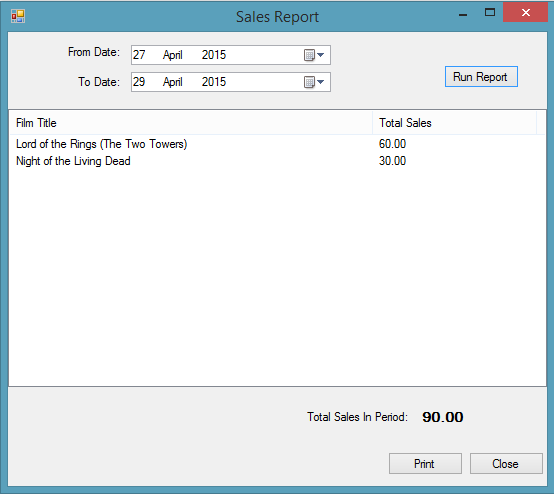


Figure 7- indicates total sales for each film within a period of time.

# Testing

## Methodology

During the course of the coding process white box testing was performed. As I worked on the code I would test the functionality of it and fix the problem before continuing to the next coding task. This took a considerable amount of time to both test and code at the same time but was necessary as it helps save confusion later on.

The testing method used will be black box testing, this is testing the application from a user’s perspective. During this I will run the application applying every possible combination of action a user would do to the front end of the application to find any errors.

This testing was done on two machines both running on windows 8. One was the desktop the application was designed on and the other a laptop. Test cases have been created to describe each test and the expected output. The test list shows which tests have passed.

Due to the white box testing no major errors were found in the system, although testing the application thoroughly has made apparent possible improvements that can be made to the applications codebase and the GUI interfaces themselves, I will cover these in the evaluation section of the report.

Time constraints have made it impossible to do in depth testing such as unit testing or create specific test project, though I am confident that little errors are present in the coding of this application.

## Test Preparation

In order to test the application during the development phase I required the database to be populated with data in a number of tables. In order to populate the following scripts were produced and ran via the ***SQL Server Compact/SQL Lite Toolkit*** database viewer in Visual Studio 2010.

The sequence the scripts are run are in the order detailed in this section.

### Reference Data Script

**SET** **IDENTITY\_INSERT** [UserRoleType] **ON**;  
**GO**  
**INSERT** **INTO** [UserRoleType] ([ID],[RoleType]) **VALUES** (1,N'Manager');  
**GO**  
**INSERT** **INTO** [UserRoleType] ([ID],[RoleType]) **VALUES** (2,N'Cashier');  
**GO**  
**SET** **IDENTITY\_INSERT** [UserRoleType] **OFF**;  
**GO**

**SET** **IDENTITY\_INSERT** [SeatType] **ON**;  
**GO**  
**INSERT** **INTO** [SeatType] ([ID],[SeatPrice],[TypeName]) **VALUES** (1,10.00000,N'Standard');  
**GO**  
**INSERT** **INTO** [SeatType] ([ID],[SeatPrice],[TypeName]) **VALUES** (2,12.50000,N'Premier');  
**GO**  
**SET** **IDENTITY\_INSERT** [SeatType] **OFF**;  
**GO**

**SET** **IDENTITY\_INSERT** [OrderStatusType] **ON**;  
**GO**  
**INSERT** **INTO** [OrderStatusType] ([ID],[Status]) **VALUES** (1,N'Pending');  
**GO**  
**INSERT** **INTO** [OrderStatusType] ([ID],[Status]) **VALUES** (2,N'Complete');  
**GO**  
**SET** **IDENTITY\_INSERT** [OrderStatusType] **OFF**;  
**GO**

### User Table Script

2 users were added, one as a manager and one a cashier. Manager user roles can run reports as well as perform the cashier function.

**SET** **IDENTITY\_INSERT** [ApplicationUser] **ON**;  
**GO**  
**INSERT** **INTO** [ApplicationUser] ([ID],[Forename],[Surname],[UserName],[Password],[UserRoleTypeID]) **VALUES** (1,N'John ',N'Doe',N'JOHNDOE',N'letmein',1);  
**GO**  
**INSERT** **INTO** [ApplicationUser] ([ID],[Forename],[Surname],[UserName],[Password],[UserRoleTypeID]) **VALUES** (2,N'Jane',N'Doe',N'JANEDOE',N'letmein2',2);  
**GO**  
**SET** **IDENTITY\_INSERT** [ApplicationUser] **OFF**;  
**GO**

### ScreeningRoom Table Script

2 Screening Rooms were added.

**SET** **IDENTITY\_INSERT** [ScreeningRoom] **ON**;  
**GO**  
**INSERT** **INTO** [ScreeningRoom] ([ID],[RoomName]) **VALUES** (1,N'Glasgow');  
**GO**  
**INSERT** **INTO** [ScreeningRoom] ([ID],[RoomName]) **VALUES** (2,N'Ayr');  
**GO**  
**SET** **IDENTITY\_INSERT** [ScreeningRoom] **OFF**;  
**GO**

### Seat Table Script

Each screening room has 110 seats , 90 are Standard and 20 are Premier

-- Script Date: 28/04/2015 19:41  - ErikEJ.SqlCeScripting version 3.5.2.49  
**SET** **IDENTITY\_INSERT** [Seat] **ON**;  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (1,1,1,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (2,2,1,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (3,3,1,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (4,4,1,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (5,5,1,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (6,6,1,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (7,7,1,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (8,8,1,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (9,9,1,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (10,10,1,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (11,1,2,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (12,2,2,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (13,3,2,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (14,4,2,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (15,5,2,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (16,6,2,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (17,7,2,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (18,8,2,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (19,9,2,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (20,10,2,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (21,1,3,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (22,2,3,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (23,3,3,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (24,4,3,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (25,5,3,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (26,6,3,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (27,7,3,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (28,8,3,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (29,9,3,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (30,10,3,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (31,1,4,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (32,2,4,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (33,3,4,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (34,4,4,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (35,5,4,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (36,6,4,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (37,7,4,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (38,8,4,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (39,9,4,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (40,10,4,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (41,1,5,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (42,2,5,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (43,3,5,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (44,4,5,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (45,5,5,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (46,6,5,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (47,7,5,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (48,8,5,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (49,9,5,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (50,10,5,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (51,1,6,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (52,2,6,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (53,3,6,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (54,4,6,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (55,5,6,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (56,6,6,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (57,7,6,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (58,8,6,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (59,9,6,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (60,10,6,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (61,1,7,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (62,2,7,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (63,3,7,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (64,4,7,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (65,5,7,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (66,6,7,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (67,7,7,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (68,8,7,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (69,9,7,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (70,10,7,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (71,1,8,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (72,2,8,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (73,3,8,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (74,4,8,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (75,5,8,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (76,6,8,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (77,7,8,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (78,8,8,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (79,9,8,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (80,10,8,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (81,1,9,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (82,2,9,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (83,3,9,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (84,4,9,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (85,5,9,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (86,6,9,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (87,7,9,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (88,8,9,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (89,9,9,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (90,10,9,1,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (91,1,10,2,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (92,2,10,2,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (93,3,10,2,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (94,4,10,2,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (95,5,10,2,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (96,6,10,2,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (97,7,10,2,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (98,8,10,2,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (99,9,10,2,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (100,10,10,2,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (101,1,11,2,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (102,2,11,2,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (103,3,11,2,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (104,4,11,2,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (105,5,11,2,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (106,6,11,2,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (107,7,11,2,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (108,8,11,2,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (109,9,11,2,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (110,10,11,2,1);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (111,1,1,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (112,2,1,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (113,3,1,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (114,4,1,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (115,5,1,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (116,6,1,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (117,7,1,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (118,8,1,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (119,9,1,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (120,10,1,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (121,1,2,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (122,2,2,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (123,3,2,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (124,4,2,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (125,5,2,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (126,6,2,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (127,7,2,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (128,8,2,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (129,9,2,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (130,10,2,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (131,1,3,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (132,2,3,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (133,3,3,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (134,4,3,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (135,5,3,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (136,6,3,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (137,7,3,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (138,8,3,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (139,9,3,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (140,10,3,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (141,1,4,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (142,2,4,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (143,3,4,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (144,4,4,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (145,5,4,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (146,6,4,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (147,7,4,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (148,8,4,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (149,9,4,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (150,10,4,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (151,1,5,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (152,2,5,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (153,3,5,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (154,4,5,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (155,5,5,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (156,6,5,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (157,7,5,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (158,8,5,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (159,9,5,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (160,10,5,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (161,1,6,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (162,2,6,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (163,3,6,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (164,4,6,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (165,5,6,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (166,6,6,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (167,7,6,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (168,8,6,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (169,9,6,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (170,10,6,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (171,1,7,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (172,2,7,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (173,3,7,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (174,4,7,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (175,5,7,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (176,6,7,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (177,7,7,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (178,8,7,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (179,9,7,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (180,10,7,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (181,1,8,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (182,2,8,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (183,3,8,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (184,4,8,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (185,5,8,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (186,6,8,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (187,7,8,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (188,8,8,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (189,9,8,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (190,10,8,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (191,1,9,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (192,2,9,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (193,3,9,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (194,4,9,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (195,5,9,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (196,6,9,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (197,7,9,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (198,8,9,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (199,9,9,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (200,10,9,1,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (201,1,10,2,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (202,2,10,2,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (203,3,10,2,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (204,4,10,2,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (205,5,10,2,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (206,6,10,2,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (207,7,10,2,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (208,8,10,2,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (209,9,10,2,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (210,10,10,2,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (211,1,11,2,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (212,2,11,2,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (213,3,11,2,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (214,4,11,2,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (215,5,11,2,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (216,6,11,2,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (217,7,11,2,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (218,8,11,2,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (219,9,11,2,2);  
**GO**  
**INSERT** **INTO** [Seat] ([ID],[SeatColumn],[SeatRow],[SeatTypeID],[ScreeningRoomID]) **VALUES** (220,10,11,2,2);  
**GO**  
**SET** **IDENTITY\_INSERT** [Seat] **OFF**;  
**GO**

### Film Table Script

2 Films were added

**GO**  
**INSERT** **INTO** [Film] ([ID],[Title],[Director],[Year],[Rating],[Duration]) **VALUES** (1,N'Lord of the Rings (The Two Towers)',N'Peter Jackson',{ts '2005-01-01 00:00:00.000'},N'12A',300);  
**GO**  
**INSERT** **INTO** [Film] ([ID],[Title],[Director],[Year],[Rating],[Duration]) **VALUES** (2,N'Night of the Living Dead',N'Joe Franklydeed',{ts '2010-07-05 00:00:00.000'},N'18',145);  
**GO**  
**SET** **IDENTITY\_INSERT** [Film] **OFF**;  
**GO**

### Screening Table Script

Finally the following screening’s were added for the films

**SET** **IDENTITY\_INSERT** [Screening] **ON**;  
**GO**  
**INSERT** **INTO** [Screening] ([ID],[ScreeningDateTime],[ScreeningRoomID],[FilmID]) **VALUES** (1,{ts '2015-05-05 12:00:00.000'},1,1);  
**GO**  
**INSERT** **INTO** [Screening] ([ID],[ScreeningDateTime],[ScreeningRoomID],[FilmID]) **VALUES** (2,{ts '2015-05-05 15:00:00.000'},1,1);  
**GO**  
**INSERT** **INTO** [Screening] ([ID],[ScreeningDateTime],[ScreeningRoomID],[FilmID]) **VALUES** (3,{ts '2015-05-06 12:00:00.000'},1,2);  
**GO**  
**INSERT** **INTO** [Screening] ([ID],[ScreeningDateTime],[ScreeningRoomID],[FilmID]) **VALUES** (4,{ts '2015-05-06 15:00:00.000'},1,2);  
**GO**  
**SET** **IDENTITY\_INSERT** [Screening] **OFF**;  
**GO**

## Test Cases

|  |  |  |
| --- | --- | --- |
| Test Case Number | Test Title | |
| 1 | **Start application** | |
| Test Description | | **Expected output** |
| Open up the application shortcut | | - Application starts up with a logon screen asking username and password. |

|  |  |  |
| --- | --- | --- |
| Test Case Number | Test Title | |
| 2 | login with incorrect credentials | |
| Test Description | | **Expected output** |
| Leave the textboxes blank and press the login button | | - message box appears prompting user to enter details |

|  |  |  |
| --- | --- | --- |
| Test Case Number | Test Title | |
| 3 | login with correct credentials | |
| Test Description | | **Expected output** |
| Fill in textboxes with given username and password then press logon button. | | - Successful login and main screen opens up. |

|  |  |  |
| --- | --- | --- |
| Test Case Number | Test Title | |
| 4 | Search without any criteria | |
| Test Description | | **Expected output** |
| Press the search button without any criteria entered | | - message box appears prompting user to enter details |

|  |  |  |
| --- | --- | --- |
| Test Case Number | Test Title | |
| 5 | Search with film title only | |
| Test Description | | **Expected output** |
| Select a film from the listbox and press search | | - message box appears prompting user to enter other details |

|  |  |  |
| --- | --- | --- |
| Test Case Number | Test Title | |
| 6 | Search with film title and date/time only | |
| Test Description | | **Expected output** |
| Select a film from the listbox and select a date or time then press search | | - Message box appears prompting user to enter number of seats. |

|  |  |  |
| --- | --- | --- |
| Test Case Number | Test Title | |
| 7 | Search with all criteria | |
| Test Description | | **Expected output** |
| Select a film from the listbox, select a date and time and number of seats then press search | | - The screening room format opens up showing available seats (Green) and unavailable seats (Red). |

|  |  |  |
| --- | --- | --- |
| Test Case Number | Test Title | |
| 8 | Select available seats | |
| Test Description | | **Expected output** |
| Select green seats from the layout | | - the selected seats should turn amber  - the counter at the bottom should increase in value to equal to the number of seats selected and amber |

|  |  |  |
| --- | --- | --- |
| Test Case Number | Test Title | |
| 9 | Select unavailable seats (RED) | |
| Test Description | | **Expected output** |
| Select red seats from the cinema layout | | - Nothing should happen. Seats cannot be selected. |

|  |  |  |
| --- | --- | --- |
| Test Case Number | Test Title | |
| 10 | Press proccend to checkout | |
| Test Description | | **Expected output** |
| With search criteria filled in and seats selected, press the “proceed to checkout button”. | | - the checkout form should be displayed with all relevant information that was selected. |

|  |  |  |
| --- | --- | --- |
| Test Case Number | Test Title | |
| 11 | Press cancel on main form | |
| Test Description | | **Expected output** |
| Press the cancel button | | - Message box appears “This will cancel the current order. Do you wish to continue?”  - pressing yes, returns the user and removes all search criteria from the main form |

|  |  |  |
| --- | --- | --- |
| Test Case Number | Test Title | |
| 12 | logout | |
| Test Description | | **Expected output** |
| Press the logout button on the main form | | - takes logs user out the application and returns to the logon screen. |

|  |  |  |
| --- | --- | --- |
| Test Case Number | Test Title | |
| 13 | Press cancel on checkout summary | |
| Test Description | | **Expected output** |
| Press the cancel button on the checkout summary form | | - the checkout form is removed and the order can be changed in the main form |

|  |  |  |
| --- | --- | --- |
| Test Case Number | Test Title | |
| 14 | Press checkout | |
| Test Description | | **Expected output** |
| Press the checkout button | | - takes user back to the mains screen with all search criteria removed.  - seats selected are now unavailable (red) |

|  |  |  |
| --- | --- | --- |
| Test Case Number | Test Title | |
| 15 | Select cashier report | |
| Test Description | | **Expected output** |
| Select the cashier report option on the main form | | - opens the cashier report form. |

|  |  |  |
| --- | --- | --- |
| Test Case Number | Test Title | |
| 16 | Select to and from dates in cashier report form | |
| Test Description | | **Expected output** |
| Select the to and from dates. | | - dates selected are shown in the box |

|  |  |  |
| --- | --- | --- |
| Test Case Number | Test Title | |
| 17 | Select cashier | |
| Test Description | | **Expected output** |
| Cashiers that are there should be available to check off | | - checked box next to cashier names. |

|  |  |  |
| --- | --- | --- |
| Test Case Number | Test Title | |
| 18 | Run report without any criteria | |
| Test Description | | **Expected output** |
| Press the run report button with no criteria entered | | - Message box prompting to enter details. |

|  |  |  |
| --- | --- | --- |
| Test Case Number | Test Title | |
| 19 | Run report with criteria | |
| Test Description | | **Expected output** |
| Fill in all criteria and run report. | | - shows the sales from each film by each cashier.  - total of all sales shown at the bottom |

## Test Checklist

|  |  |  |
| --- | --- | --- |
| Test Number | Test Name | Result |
| 1 | Start application | pass |
| 2 | Login with incorrect credentials | pass |
| 3 | Login with correct credentials | pass |
| 4 | Search without any criteria | pass |
| 5 | Search with only film Title | pass |
| 6 | Search with only film title and date/time | pass |
| 7 | Search with all criteria | pass |
| 8 | Select available seats (green) | pass |
| 9 | Select unavailable seats (red) | pass |
| 10 | Press proceed to checkout | pass |
| 11 | Press cancel on main form | pass |
| 12 | logout | pass |
| 13 | Press cancel on checkout summary | pass |
| 14 | Press checkout | pass |
| 15 | Press report cashier function | pass |
| 16 | Select from and to dates | pass |
| 17 | Select cashiers | pass |
| 18 | Run report without criteria | pass |
| 19 | Run report with criteria | pass |

# Appendix 1 – Code

## Nhibernate Mappings (Domain Model to Database Mappings)

### ApplicationUser

<?xml version="1.0" encoding="utf-8" ?>

<hibernate-mapping xmlns="urn:nhibernate-mapping-2.2" assembly="CinemaBookingSystem" namespace="CinemaBookingSystem.DomainModel">

<!-- Map ApplicationUser class to ApplicationUser table -->

<class name="ApplicationUser" table="ApplicationUser">

<!-- Map the ID property (Primary key) - uses database Identity for key generation -->

<id name="ID" type="Int32" unsaved-value="0" column="ID" >

<generator class="identity" />

</id>

<!-- Map ApplicationUser standard type properties -->

<property name="Forename" type="String" not-null="true" length="50" column="Forename"/>

<property name="Surname" type="String" not-null="true" length="50" column="Surname"/>

<property name="UserName" type="String" not-null="true" length="50" column="UserName"/>

<property name="Password" type="String" not-null="true" length="25" column="Password"/>

<!-- Map many to one relations - single class properties -->

<many-to-one name="UserRole" column="UserRoleTypeID" class="UserRoleType"/>

</class>

</hibernate-mapping>

### Film

<?xml version="1.0" encoding="utf-8" ?>

<hibernate-mapping xmlns="urn:nhibernate-mapping-2.2" assembly="CinemaBookingSystem" namespace="CinemaBookingSystem.DomainModel">

<!-- Map Film class to Film table -->

<class name="Film" table="Film">

<!-- Map the ID property (Primary key) - uses database Identity for key generation -->

<id name="ID" type="Int32" unsaved-value="0" column="ID" >

<generator class="identity" />

</id>

<!-- Map Film standard type properties -->

<property name="Title" type="String" not-null="true" length="100" column="Title"/>

<property name="Director" type="String" not-null="true" length="100" column="Director"/>

<property name="Year" type="DateTime" not-null="true" column="Year"/>

<property name="Rating" type="String" not-null="true" length="5" column="Rating"/>

<property name="Duration" type="Int32" not-null="true" column="Duration"/>

</class>

</hibernate-mapping>

### OrderStatusType

<?xml version="1.0" encoding="utf-8" ?>

<hibernate-mapping xmlns="urn:nhibernate-mapping-2.2" assembly="CinemaBookingSystem" namespace="CinemaBookingSystem.DomainModel">

<!-- Map OrderStatusType class to OrderStatusType table -->

<class name="OrderStatusType" table="OrderStatusType">

<!-- Map the ID property (Primary key) - uses database Identity for key generation -->

<id name="ID" type="Int32" unsaved-value="0" column="ID" >

<generator class="identity" />

</id>

<!-- Map OrderStatusType standard type properties -->

<property name="Status" type="String" not-null="true" length="15" column="Status"/>

</class>

</hibernate-mapping>

### Screening

<?xml version="1.0" encoding="utf-8" ?>

<hibernate-mapping xmlns="urn:nhibernate-mapping-2.2" assembly="CinemaBookingSystem" namespace="CinemaBookingSystem.DomainModel">

<!-- Map Screening class to Screening table -->

<class name="Screening" table="Screening">

<!-- Map the ID property (Primary key) - uses database Identity for key generation -->

<id name="ID" type="Int32" unsaved-value="0" column="ID" >

<generator class="identity" />

</id>

<!-- Map Screening standard type properties -->

<property name="ScreeningDateTime" type="DateTime" not-null="true" column="ScreeningDateTime"/>

<!-- Map many to one relations - single class properties -->

<many-to-one name="ScreeningRoom" class="ScreeningRoom" column="ScreeningRoomID" not-null="true" />

<many-to-one name="Film" class="Film" column="FilmID" not-null="true" />

</class>

</hibernate-mapping>

### ScreeningRoom

<?xml version="1.0" encoding="utf-8" ?>

<hibernate-mapping xmlns="urn:nhibernate-mapping-2.2" assembly="CinemaBookingSystem" namespace="CinemaBookingSystem.DomainModel">

<!-- Map ScreeningRoom class to ScreeningRoom table -->

<class name="ScreeningRoom" table="ScreeningRoom">

<!-- Map the ID property (Primary key) - uses database Identity for key generation -->

<id name="ID" type="Int32" unsaved-value="0" column="ID" >

<generator class="identity" />

</id>

<!-- Map ScreeningRoom standard type properties -->

<property name="RoomName" type="String" not-null="true" length="100" column="RoomName"/>

<!-- Map the collection of seats that are associated with the screening room

not an idbag as the mapping does not require a join table but a reference in the seat table

pointing to the ScreeningRoom

-->

<bag name="Seats" inverse="true" >

<key column="ScreeningRoomID" />

<!-- Map one to many relations -->

<one-to-many class="Seat" />

</bag>

<bag name="Screenings" inverse="true" >

<key column="ScreeningRoomID" />

<!-- Map one to many relations -->

<one-to-many class="Screening" />

</bag>

</class>

</hibernate-mapping>

### Seat

<?xml version="1.0" encoding="utf-8" ?>

<hibernate-mapping xmlns="urn:nhibernate-mapping-2.2" assembly="CinemaBookingSystem" namespace="CinemaBookingSystem.DomainModel">

<!-- Map Seat class to Seat table -->

<class name="Seat" table="Seat">

<!-- Map the ID property (Primary key) - uses database Identity for key generation -->

<id name="ID" type="Int32" unsaved-value="0" column="ID" >

<generator class="identity" />

</id>

<!-- Map Seat standard type properties -->

<property name="SeatColumn" type="Int32" not-null="true" column="SeatColumn"/>

<property name="SeatRow" type="Int32" not-null="true" column="SeatRow"/>

<!-- Map many to one relations - single class properties -->

<many-to-one name="SeatType" column="SeatTypeID" class="SeatType" />

<many-to-one name="ScreeningRoom" column="ScreeningRoomID" class="ScreeningRoom" />

</class>

</hibernate-mapping>

### SeatType

<?xml version="1.0" encoding="utf-8" ?>

<hibernate-mapping xmlns="urn:nhibernate-mapping-2.2" assembly="CinemaBookingSystem" namespace="CinemaBookingSystem.DomainModel">

<!-- Map SeatType class to SeatType table -->

<class name="SeatType" table="SeatType">

<!-- Map the ID property (Primary key) - uses database Identity for key generation -->

<id name="ID" type="Int32" unsaved-value="0" column="ID" >

<generator class="identity" />

</id>

<!-- Map SeatType standard type properties -->

<property name="SeatPrice" type="Decimal" not-null="true" column="SeatPrice"/>

<property name="TypeName" type="String" not-null="true" length="50" column="TypeName"/>

</class>

</hibernate-mapping>

### TicketOrder

<?xml version="1.0" encoding="utf-8" ?>

<hibernate-mapping xmlns="urn:nhibernate-mapping-2.2" assembly="CinemaBookingSystem" namespace="CinemaBookingSystem.DomainModel">

<!-- Map TicketOrder class to TicketOrder table -->

<class name="TicketOrder" table="TicketOrder">

<!-- Map the ID property (Primary key) - uses database Identity for key generation -->

<id name="ID" type="Int32" unsaved-value="0" column="ID" >

<generator class="identity" />

</id>

<!-- Map TicketOrder standard type properties -->

<property name="OrderDateTime" type="DateTime" not-null="true" column="OrderDateTime"/>

<property name="OrderTotalPrice" type="Decimal" not-null="true" column="OrderTotalPrice"/>

<!-- Map the collection of seats that are in the order - via the join table LineItem -->

<idbag name="Seats" table="LineItem" lazy="false" cascade="save-update">

<!-- Map the join table primary key - identity generated by database -->

<collection-id column="ID" type="Int32">

<generator class="identity"/>

</collection-id>

<!-- tell NHibernate what the name of the column (foreign key) is in LineItem which points to a TicketOrder -->

<key column="OrderID" />

<!-- tell NHibernate what the name of the column (foreign key) is in LineItem which points to a Seat

and a many-many relationship - results in a collection of seats accessible from the TicketOrder

-->

<many-to-many class="Seat" column="SeatID" />

</idbag>

<!-- Map many to one relations - single class properties -->

<many-to-one name="OrderStatus" column="OrderStatusTypeID" class="OrderStatusType" not-null="true" />

<many-to-one name="ApplicationUser" class="ApplicationUser" column="UserID" not-null="true" />

<many-to-one name="Screening" class="Screening" column="ScreeningID" not-null="true" />

</class>

</hibernate-mapping>

### UserRoleType

<?xml version="1.0" encoding="utf-8" ?>

<hibernate-mapping xmlns="urn:nhibernate-mapping-2.2" assembly="CinemaBookingSystem" namespace="CinemaBookingSystem.DomainModel">

<!-- Map UserRoleType class to UserRoleType table -->

<class name="UserRoleType" table="UserRoleType">

<!-- Map the ID property (Primary key) - uses database Identity for key generation -->

<id name="ID" type="Int32" unsaved-value="0" column="ID" >

<generator class="identity" />

</id>

<!-- Map UserRoleType standard type properties -->

<property name="RoleType" type="String" not-null="true" length="25" column="RoleType"/>

</class>

</hibernate-mapping>

## Domain Model (POCO’s Plain Old CLR Objects)

### ApplicationUser

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections;

using System.ComponentModel;

using System.Linq;

using System.Text;

using System.Collections.Generic;

namespace CinemaBookingSystem.DomainModel

{

/// <summary>

/// User Entity

/// </summary>

public class ApplicationUser : Entity<ApplicationUser> {

// Specify the static string property names

public static string USER\_NAME = "UserName";

public static string FORENAME = "Forename";

public static string SURNAME = "Surname";

public static string USER\_ROLE\_TYPE = "UserRoleType";

public static string PASSWORD = "Password";

/\*\*

\* Default Constructor

\*/

public ApplicationUser()

{

}

/\*\*

\* overload constructor, initialises an instance with the passed in values

\*/

public ApplicationUser(String pUserName, String pPassword, String pForename, String pSurname, UserRoleType pUserRoleType) {

this.UserName = pUserName;

this.Forename = pForename;

this.Surname = pSurname;

this.Password = pPassword;

UserRole = pUserRoleType;

}

/\*\*

\* username property

\*/

public virtual String UserName

{

get;

set;

}

/\*\*

\* Password property

\*/

public virtual String Password

{

get;

set;

}

/\*\*

\* Forename property

\*/

public virtual String Forename

{

get;

set;

}

/\*\*

\* Surname property

\*/

public virtual String Surname

{

get;

set;

}

/\*\*

\* userRole property

\*/

private UserRoleType userRole;

public virtual UserRoleType UserRole {

get { return userRole; }

set { userRole = value; }

}

/\*\*

\* overrides the object ToString method to return the use FullName property (used in list boxes)

\*/

public override string ToString() {

return FullName;

}

/\*\*

\* property joins forename and surname to give full username in a readable format

\*/

public virtual String FullName { get { return Forename + " " + Surname; } }

}

}

### Entity

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace CinemaBookingSystem.DomainModel {

/\*\*

\* Implements a generic base Entity class for all entities in the domain model

\* and the logic to use ID to compare two instances of the same type of entity

\* internally by overloading the == and != operators

\*/

public abstract class Entity<T> where T : Entity<T> {

// Specify the static string property names

public static String ENTITY\_ID = "ID";

private Int32 \_ID = 0;

public virtual Int32 ID {

get {

return \_ID;

}

set {

\_ID = value;

}

}

/\*\*

\* Override the Equals method

\* \*/

public override bool Equals(object obj) {

// Check if its the same type of entity

var other = obj as T;

if (other == null) return false;

// Check if both entities are new objects

// (have not been saved yet so have an ID of 0

var thisIsNew = Equals(ID, 0);

var otherIsNew = Equals(other.ID, 0);

if (thisIsNew && otherIsNew)

return ReferenceEquals(this, other);

// return equality check on ID value

return ID.Equals(other.ID);

}

private int? oldHashCode;

/\*\*

\* Override the HashCode method

\*/

public override int GetHashCode() {

// once we have a haskcode we will never change it

if (oldHashCode.HasValue) return oldHashCode.Value;

// when this instance is new we use the base hash code

// and remember it, so an instance can never change its hash code

var thisIsNew = Equals(ID, 0);

if (thisIsNew) {

oldHashCode = base.GetHashCode();

return oldHashCode.Value;

}

return ID.GetHashCode();

}

/\*\*

\* Override's the == (Equals) and != (NOT Equals) operator such that we can compare two entities without

\* having to use Equals method, internally we just use Equals method

\*/

public static bool operator ==(Entity<T> lhs, Entity<T> rhs) {

return Equals(lhs, rhs);

}

public static bool operator !=(Entity<T> lhs, Entity<T> rhs) {

return !Equals(lhs, rhs);

}

}

}

### Film

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections;

using System.ComponentModel;

using System.Linq;

using System.Text;

using System.Collections.Generic;

namespace CinemaBookingSystem.DomainModel {

/// <summary>

/// Film entity

/// </summary>

public class Film : Entity<Film> {

/\*\*

\* Specify the static string property names

\*/

public static String TITLE = "Title";

public static String DIRECTOR = "Director";

public static String YEAR = "Year";

public static String RATING = "Rating";

public static String DURATION = "Duration";

/\*\*

\* constructor

\*/

public Film() {

}

/\*\*

\* overload constructor passing in film information

\*/

public Film(String pTitle, String pDirector, DateTime pYear, String pRating, Int32 pDuration) {

this.Title = pTitle;

this.Director = pDirector;

this.Year = pYear;

this.Rating = pRating;

this.Duration = pDuration;

}

/\*\*

\* title Property

\*/

public virtual String Title {

get;

set;

}

/\*\*

\* Director Property

\*/

public virtual String Director {

get;

set;

}

/\*\*

\* Year Property

\*/

public virtual DateTime Year {

get;

set;

}

/\*\*

\* Rating Property

\*/

public virtual String Rating {

get;

set;

}

/\*\*

\* Duration Property

\*/

public virtual Int32 Duration {

get;

set;

}

/\*\*

\* ToString Constructor

\*/

public override string ToString() {

return this.Title;

}

}

}

### OrderStatusType

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections;

using System.ComponentModel;

using System.Linq;

using System.Text;

using System.Collections.Generic;

namespace CinemaBookingSystem.DomainModel

{

/// <summary>

/// OrderStatusType Entity - Defines the status of an order in the system.

/// </summary>

public class OrderStatusType : Entity<OrderStatusType> {

// Specify the 2 User role types

public static string STATUS\_TYPE\_COMPLETE = "Complete";

public static string STATUS\_TYPE\_PENDING = "Pending";

/\*\*

\* Specify the static string property names

\*/

public static String STATUS = "Status";

/\*\*

\* default constructor

\*/

public OrderStatusType()

{

}

/\*\*

\* constructs the object with a given pStatus

\*/

public OrderStatusType(String pStatus) {

this.Status = pStatus;

}

/\*\*

\* status property

\*/

public virtual String Status

{

get;

set;

}

} }

### Screening

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections;

using System.ComponentModel;

using System.Linq;

using System.Text;

using System.Collections.Generic;

namespace CinemaBookingSystem.DomainModel

{

/// <summary>

/// Screening Entity

/// </summary>

public class Screening : Entity<Screening> {

/\*\*

\* Specify the static string property names

\*/

public static String SCREENING\_DATETIME = "ScreeningDateTime";

public static String FILM = "Film";

public static String SCREENING\_ROOM = "ScreeningRoom";

/\*\*

\* constructor

\*/

public Screening()

{

}

/\*\*

\* ScreeningDateTime property

\*/

public virtual DateTime ScreeningDateTime

{

get;

set;

}

/\*\*

\* stores the film

\*/

private Film film;

public virtual Film Film {

get { return film; }

set { film = value; }

}

/\*\*

\* stores the screening room

\*/

private ScreeningRoom screeningRoom;

public virtual ScreeningRoom ScreeningRoom {

get { return screeningRoom; }

set { screeningRoom = value; }

}

}

}

### ScreeningRoom

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections.Generic;

namespace CinemaBookingSystem.DomainModel {

/// <summary>

/// ScreeningRoom Entity

/// </summary>

public class ScreeningRoom : Entity<ScreeningRoom> {

// Specify the static string property names

public static String ROOM\_NAME = "RoomName";

public static String SCREENINGS = "Screenings";

public static String SEATS = "Seats";

/\*\*

\* Default constructor

\*/

public ScreeningRoom() {

}

/\*\*

\* Constructor setting the RoomName

\*/

public ScreeningRoom(String roomName) {

RoomName = roomName;

}

/\*\*

\* The name of the Screening Room

\*/

public virtual String RoomName {

get;

set;

}

/\*\*

\* Seat collection associated with the screening room

\*/

private List<Seat> seats;

public virtual IEnumerable<Seat> Seats {

get {

if (seats == null) {

seats = new List<Seat>();

}

return seats;

}

set {

if (seats == null) {

seats = new List<Seat>(value);

}

}

}

/\*\*

\* Add a seat to the seat collection

\*/

public virtual void AddSeat(Int32 pSeatRow, Int32 pSeatColumn, SeatType pSeatType) {

Seat s = new Seat(pSeatRow, pSeatColumn, this, pSeatType);

seats.Add(s);

}

/\*\*

\* Adds the seat to the seat collection

\*/

public virtual void AddSeat(Seat pSeat) {

seats.Add(pSeat);

}

/\*\*

\* the collection of screenings associated with a screening room

\*/

private List<Screening> screenings;

public virtual IEnumerable<Screening> Screenings {

get {

if (seats == null) {

seats = new List<Seat>();

}

return screenings;

}

set {

if (screenings == null) {

screenings = new List<Screening>(value);

}

}

}

}

}

### Seat

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections;

using System.ComponentModel;

using System.Linq;

using System.Text;

using System.Collections.Generic;

namespace CinemaBookingSystem.DomainModel {

/// <summary>

/// Seat Entity

/// </summary>

public class Seat : Entity<Seat> {

//sets the properties for seats

public static String SEAT\_ROW = "SeatRow";

public static String SEAT\_COLUMN = "SeatColumn";

public static String SCREENING\_ROOM = "ScreeningRoom";

public static String SEAT\_TYPE = "SeatType";

/\*\*

\* Default Constructor

\*/

public Seat() {

}

/\*\*

\* overload constructor. Constructs a seat with the passed settings

\*/

public Seat(Int32 pSeatRow, Int32 pSeatColumn, ScreeningRoom pScreeningRoom, SeatType pSeatType) {

this.SeatColumn = pSeatColumn;

this.SeatRow = pSeatRow;

this.SeatType = pSeatType;

this.ScreeningRoom = pScreeningRoom;

}

/\*\*

\* Specifies the row number of the seat

\*/

public virtual Int32 SeatRow {

get;

set;

}

/\*\*

\* Specifies the column number of the seat

\*/

public virtual Int32 SeatColumn {

get;

set;

}

/\*\*

\* The screening room the seat is associated with

\*/

private ScreeningRoom screeningRoom;

public virtual ScreeningRoom ScreeningRoom {

get { return screeningRoom; }

set { screeningRoom = value; }

}

/\*\*

\* Indicates if seat is premier or standard

\*/

private SeatType seatType;

public virtual SeatType SeatType {

get { return seatType; }

set { seatType = value; }

}

}

}

### SeatType

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

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\* 2014/2015

\*/

using System;

using System.Collections;

using System.ComponentModel;

using System.Linq;

using System.Text;

using System.Collections.Generic;

namespace CinemaBookingSystem.DomainModel

{

/// <summary>

/// SeatType Entity

/// </summary>

public class SeatType : Entity<SeatType> {

/\*\*

\* specifies the 2 seat types

\*/

public static string STANDARD\_SEAT = "Standard";

public static string PREMIER\_SEAT = "Premier";

/\*\*

\* static string properties name values

\*/

public static string TYPE\_NAME = "TypeName";

public static string SEAT\_PRICE = "SeatPrice";

/\*\*

\* default SeatType constructor

\*/

public SeatType()

{

}

/\*\*

\* constructor Passing in Type and Price

\*/

public SeatType(String pTypeName, Decimal pSeatPrice) {

this.SeatPrice = pSeatPrice;

this.TypeName = pTypeName;

}

/\*\*

\* TypeName property

\*/

public virtual String TypeName {

get;

set;

}

/\*\*

\* SeatPrice property

\*/

public virtual Decimal SeatPrice {

get;

set;

}

}

}

### TicketOrder

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections;

using System.ComponentModel;

using System.Linq;

using System.Text;

using System.Collections.Generic;

namespace CinemaBookingSystem.DomainModel {

/// <summary>

/// TicketOrder Entity

/// </summary>

public class TicketOrder : Entity<TicketOrder> {

// Specify the static string property names

public static String ORDER\_DATETIME = "OrderDateTime";

public static String ORDER\_TOTAL\_PRICE = "OrderTotalPrice";

public static String SCREENING = "Screening";

public static String APPLICATION\_USER = "ApplicationUser";

public static String ORDER\_STATUS = "OrderStatus";

public static String SEATS = "Seats";

/\*\*

\* default constrcutor

\*/

public TicketOrder() {

\_seats = new List<Seat>();

}

/\*\*

\* The date and time of the order

\*/

public virtual System.DateTime OrderDateTime {

get;

set;

}

/\*\*

\* The total value of the order

\*/

public virtual Decimal OrderTotalPrice {

get;

set;

}

/\*\*

\* The screening associated with the order

\*/

public virtual Screening Screening {

get;

set;

}

/\*\*

\* The user who created the order

\*/

public virtual ApplicationUser ApplicationUser {

get;

set;

}

/\*\*

\* The order staus type

\*/

private OrderStatusType orderStatusType;

public virtual OrderStatusType OrderStatus {

get { return orderStatusType; }

set { orderStatusType = value; }

}

/\*\*

\* returns selected seats to a list

\*/

private List<Seat> \_seats;

public virtual IList<Seat> Seats {

get {

return \_seats.ToList<Seat>();

}

set {

\_seats = new List<Seat>(value);

}

}

/\*\*

\* Add the seat to the order

\*/

public virtual void AddSeat(Seat pSeat) {

\_seats.Add(pSeat);

// increment the total price value

this.OrderTotalPrice += pSeat.SeatType.SeatPrice;

}

/\*\*

\* Remove the seat from the order

\*/

public virtual void RemoveSeat(Seat pSeat) {

// iterate the seats and find and remove where seat found

if (\_seats.Contains(pSeat)) {

\_seats.Remove(pSeat);

this.OrderTotalPrice -= pSeat.SeatType.SeatPrice;

}

}

}

}

### UserTypeRole

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections;

using System.ComponentModel;

using System.Linq;

using System.Text;

using System.Collections.Generic;

namespace CinemaBookingSystem.DomainModel

{

/// <summary>

/// UserRole Entity

/// </summary>

public class UserRoleType : Entity<UserRoleType> {

// Specify the 2 User role types

public static String MANAGER = "Manager";

public static String CASHIER = "Cashier";

// static string properties name values

public static string ROLE\_TYPE = "RoleType";

/\*\*

\* Default constructor

\*/

public UserRoleType()

{

}

/\*\*

\* The role type

\*/

public virtual String RoleType

{

get;

set;

}

}

}

## Data Access Objects (Data Tier)

### ApplicationUserDAO

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using CinemaBookingSystem.DomainModel;

using NHibernate.Criterion;

using CinemaBookingSystem.Exceptions;

using NHibernate;

namespace CinemaBookingSystem.DAO {

public class ApplicationUserDAO : RepositoryBase {

public ApplicationUserDAO() : base() {

}

public ApplicationUserDAO(ISession session)

: base() {

}

// pass in username and password

public ApplicationUser LoginUser(String username, String password) {

// determine if it is valid

ApplicationUser result = Session.CreateCriteria<ApplicationUser>().Add(

Restrictions.Eq(ApplicationUser.USER\_NAME, username) &&

Restrictions.Eq(ApplicationUser.PASSWORD, password)).UniqueResult<ApplicationUser>();

// if not valid throw authentication exception

if (result == null) {

throw new AuthenticationException();

}

return result;

}

}

}

### FilmDAO

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using CinemaBookingSystem.DomainModel;

using NHibernate.Criterion;

using NHibernate;

namespace CinemaBookingSystem.DAO {

/\*\*

\* FilmDAO used for Film specific functions

\*/

public class FilmDAO : RepositoryBase {

public FilmDAO() : base() {

}

/\*\*

\* creates a session

\*/

public FilmDAO(ISession session)

: base(session) {

}

/\*\*

\* method that returns passed in films to a list

\*/

public IList<Film> GetFilms() {

return Session.QueryOver<Film>().List<Film>();

}

}

}

### IRepository

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace CinemaBookingSystem.DAO {

/\*\*

\* interface defining the methods that must be implemented by classes that implement this interface

\*/

public interface IRepository {

/\*\*

\* saves an object

\*/

void Save(object obj);

/\*\*

\* deletes an object

\*/

void Delete(object obj);

/\*\*

\* gets an object based on passed in ID (T)

\*/

T GetById<T>(object objId);

/\*\*

\* Returns a collection of all Objects un the domain model of type T

\*/

IList<T> GetAll<T>();

}

}

### OrderDao

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using CinemaBookingSystem.DomainModel;

using NHibernate.Criterion;

using NHibernate;

namespace CinemaBookingSystem.DAO {

public class TicketOrderDAO : RepositoryBase {

public TicketOrderDAO() : base() {

}

/\*\*

\* overrides the base by passing in an already existing hibernate session

\*/

public TicketOrderDAO(ISession session)

: base(session) {

}

/\*\*

\* defines the status of an order in the system

\*/

public OrderStatusType GetByExample(OrderStatusType orderStatusType) {

return (OrderStatusType) Session.CreateCriteria<OrderStatusType>().Add(

Restrictions.Eq(OrderStatusType.STATUS, orderStatusType.Status)).UniqueResult();

}

/\*\*

\* gets list of seats that have been taking for the past screening

\*/

internal IList<Seat> GetOrderedSeatsForScreening(Screening screening) {

IList<CinemaBookingSystem.DomainModel.TicketOrder> orders = Session.CreateCriteria<CinemaBookingSystem.DomainModel.TicketOrder>()

.Add(

Restrictions.Eq(CinemaBookingSystem.DomainModel.TicketOrder.SCREENING, screening)

).List<CinemaBookingSystem.DomainModel.TicketOrder>();

/\*\*

\* populate screen with seats

\*/

IList<Seat> result = new List<Seat>();

foreach (CinemaBookingSystem.DomainModel.TicketOrder order in orders) {

foreach (Seat seat in order.Seats) {

result.Add(seat);

}

}

return result;

}

}

### ReportingDAO

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using NHibernate;

using CinemaBookingSystem.DomainModel;

using NHibernate.Criterion;

namespace CinemaBookingSystem.DAO {

/\*\*

\* this is the reoprtingDAO used for the reporting functions,

\* This doesnt need to use the Domain specific session as the reports

\* are read only.

\*/

public class ReportingDAO : RepositoryBase {

public ReportingDAO() : base() { }

public ReportingDAO(ISession session) : base(session){ }

/\*\*

\* This method returns the collection of orders for the passed user collection

\* for the period between the passed from/to dates

\*/

public IList<TicketOrder> GetCashierSalesForPeriod(List<ApplicationUser> users, DateTime dateFrom, DateTime dateTo) {

// create the criteria in the session - uses the NHibernate Expression object

return Session.CreateCriteria<TicketOrder>()

.Add(Expression.In(TicketOrder.APPLICATION\_USER, users))

.Add(Expression.Between (TicketOrder.ORDER\_DATETIME, dateFrom, dateTo))

.AddOrder(new Order(TicketOrder.ORDER\_DATETIME,true)).List<TicketOrder>();

}

/\*\*

\* This method returns the collection of orders

\* for the period between the passed from/to dates

\*/

public IList<TicketOrder> GetSalesForPeriod(DateTime dateFrom, DateTime dateTo) {

// create the criteria in the session - uses the NHibernate Expression object

return Session.CreateCriteria<TicketOrder>()

.Add(Expression.Between(TicketOrder.ORDER\_DATETIME, dateFrom, dateTo))

.AddOrder(new Order(TicketOrder.ORDER\_DATETIME, true)).List<TicketOrder>();

} } }

### RepositoryBase

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using NHibernate;

using NHibernate.Linq;

namespace CinemaBookingSystem.DAO {

/\*\*

\* NHibernate Repository pattern implementation. This class is the

\* main access to the database. It implements the IRepository interface

\* which defines

\*/

public class RepositoryBase : IRepository, IDisposable {

public ISession Session { get; protected set; }

protected ITransaction \_transaction = null;

/\*\*

\* creates a new hibernate session and stores it in the "Session" property

\*/

public RepositoryBase() {

Session = SessionProvider.OpenSession();

}

/\*\*

\* Constructor that takes an alredy created session and stores within the "Session" property

\*/

public RepositoryBase(ISession session) {

Session = session;

}

/\*\*

\* creates a transaction and storres it in the \_transaction field

\*/

public void BeginTransaction() {

\_transaction = Session.BeginTransaction();

}

/\*\*

\* commits on the transaction and closes

\*/

public void CommitTransaction() {

\_transaction.Commit();

CloseTransaction();

}

/\*\*

\* roles back the transaction, closes then transaction then the session.

\*/

public void RollbackTransaction() {

\_transaction.Rollback();

CloseTransaction();

CloseSession();

}

/\*\*

\* closes the transaction, releases it and sets \_transaction to null

\*/

private void CloseTransaction() {

\_transaction.Dispose();

\_transaction = null;

}

/\*\*

\* closes the session, releases it then sets the session to null.

\*/

private void CloseSession() {

Session.Close();

Session.Dispose();

Session = null;

}

/\*\*

\* saves or updates the past object

\* is virtual so can be overridden by inheriting classes

\*/

public virtual void Save(object obj) {

Session.SaveOrUpdate(obj);

}

/\*\*

\* deletes the past object, can be overriddn by

\* inheriting classes

\*/

public virtual void Delete(object obj) {

Session.Delete(obj);

}

/\*\*

\* generic list method returns all objects from the domain of type T

\*/

public virtual IList<T> GetAll<T>() {

return Session.CreateCriteria(typeof(T)).List<T>();

}

/\*\*

\* dispose method for cleaning and flushing the session

\* implementation of The IDisposable interface so the session is cleaned up

\* when the session is no longer being used

\*/

public void Dispose() {

if (\_transaction != null) {

// Commit transaction by default, unless user explicitly rolls it back.

CommitTransaction();

}

if (Session != null) {

Session.Flush();

CloseSession();

}

}

/\*\*

\* generic method that returns an instance of T with the given ID

\*/

public T GetById<T>(object id) {

return Session.Get<T>(id);

}

}

}

### ScreeningDAO

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using CinemaBookingSystem.DomainModel;

using NHibernate.Criterion;

using NHibernate;

namespace CinemaBookingSystem.DAO {

public class ScreeningDAO : RepositoryBase {

public ScreeningDAO()

: base() {

}

public ScreeningDAO(ISession session)

: base(session) {

}

/\*\*

\* Get screenings for the passed film from a specific date

\*/

public IList<Screening> GetScreenings(Film film, DateTime fromDateTime) {

return Session.CreateCriteria<Screening>()

.Add(Restrictions.Eq("Film", film))

.Add(Restrictions.Gt("ScreeningDateTime", fromDateTime))

.List<Screening>();

}

}

}

### ScreeningRoomDAO

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using CinemaBookingSystem.DomainModel;

using NHibernate.Criterion;

using NHibernate;

namespace CinemaBookingSystem.DAO {

public class ScreeningRoomDAO : RepositoryBase {

public ScreeningRoomDAO()

: base() {

}

public ScreeningRoomDAO(ISession session)

: base(session) {

}

/\*\*

\* Get seats for the passed screening room

\*/

public IList<Seat> GetSeatsForScreeningRoom(ScreeningRoom screeningRoom) {

return Session.CreateCriteria<Seat>()

.Add(Restrictions.Eq(Seat.SCREENING\_ROOM, screeningRoom))

.List<Seat>();

}

}

}

### SeatDAO

### SessionProvider

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Data;

using System.IO;

using System.Windows.Forms;

using CinemaBookingSystem.DomainModel;

using NHibernate;

using NHibernate.Cfg;

using NHibernate.Tool.hbm2ddl;

namespace CinemaBookingSystem {

/\*\*

\* Main NHibernate session configuration management

\*/

public class SessionProvider {

private static ISessionFactory sessionFactory;

private static Configuration configuration;

/\*\*

\* Static property that loads the configuration to the field configuration

\*/

public static Configuration Configuration {

get {

if (configuration == null) {

configuration = new Configuration();

configuration.Configure();

//loads all mapping files with hbm.xml extension from the assembly

configuration.AddAssembly(typeof(Film).Assembly);

}

return configuration;

}

}

/\*\*

\* creats a new session factory and a new instance

\*/

public static ISessionFactory SessionFactory {

get {

if (sessionFactory == null)

sessionFactory = Configuration.BuildSessionFactory();

return sessionFactory;

}

}

/\*\*

\* static method for opening a new session

\*/

public static ISession OpenSession() {

ISession session = SessionFactory.OpenSession();

session.FlushMode = FlushMode.Commit;

return session;

}

}

}

### UserDAO

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using NHibernate;

namespace CinemaBookingSystem.DAO {

/\*\*

\* UserDAO has no additional methods but is a placeholder for new methods

\* related to authentication and the user class

\*/

public class UserDAO : RepositoryBase {

/\*\*

\* override base constructor

\*/

public UserDAO() : base() {

}

/\*\*

\* override base constructor that takes an already created session

\*/

public UserDAO(ISession session) : base (session) {

}

}

}

## Exceptions

### AuthenticationException

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

/\*\*

\* authentication exception for identifying failed logons

\*/

namespace CinemaBookingSystem.Exceptions {

public class AuthenticationException : Exception {

}

}

## Services (Service/Business Tier)

### AuthenticationServices

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using CinemaBookingSystem.DomainModel;

using CinemaBookingSystem.DAO;

namespace CinemaBookingSystem.Services {

/\*\*

\* logon authentication service, used for autherising logins to the system

\*/

public class AuthenticationServices {

// ApplicationUserDAO property

private ApplicationUserDAO ApplicationUserDAO { get; set; }

/\*\*

\* Default constructor. Creates an instance of the ApplicationUserDAO and stored locally for use.

\*/

public AuthenticationServices() {

ApplicationUserDAO = new ApplicationUserDAO();

}

/\*\*

\* main logon method

\*/

public ApplicationUser Logon(String username, string password) {

// Begin transaction

ApplicationUserDAO.BeginTransaction();

// validate the user with the passed credentials

ApplicationUser result = ApplicationUserDAO.LoginUser(username, password);

// commit transaction

ApplicationUserDAO.CommitTransaction();

// return the user

return result;

}

}

}

### DomainServices

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using CinemaBookingSystem.DomainModel;

using CinemaBookingSystem.DAO;

namespace CinemaBookingSystem.Services {

/\*\*

\* This is the main Domain Service. The service instantiates

\* an instance of all the DAO's as local private properties

\* and ensures that only one NHibernate session is created

\* to ensure consistency in access and persistence of the

\* domain model

\*/

public class DomainServices {

// DAO instance properties

protected TicketOrderDAO TicketDAO { get; set; }

protected FilmDAO FilmDAO { get; set; }

protected ScreeningDAO ScreeningDAO { get; set; }

protected ScreeningRoomDAO ScreeningRoomDAO { get; set; }

protected UserDAO UserDAO { get; set; }

/\*\*

\* Main Domain Service constructor

\*

\*/

public DomainServices() {

// set the FilmDAO instance - create a session

FilmDAO = new FilmDAO();

// instantiate the other DAO properties using the same NHibernate session

ScreeningDAO = new ScreeningDAO(FilmDAO.Session);

TicketDAO = new TicketOrderDAO(FilmDAO.Session);

ScreeningRoomDAO = new ScreeningRoomDAO(FilmDAO.Session);

UserDAO = new UserDAO(FilmDAO.Session);

}

/\*\*

\* Get all users service

\*/

public IList<ApplicationUser> GetUsers() {

return UserDAO.GetAll<ApplicationUser>();

}

/\*\*

\* Get the instance of the OrderStatusType for the given status

\*/

public OrderStatusType GetOrderStatusType(String status) {

TicketDAO.BeginTransaction();

OrderStatusType result = TicketDAO.GetByExample(new OrderStatusType(status));

TicketDAO.CommitTransaction();

return result;

}

/\*\*

\* Get the collection of seats that are already sold/ordered for

\* the passed screening

\*/

public IList<Seat> GetOrderedSeatsForScreening(Screening screening) {

TicketDAO.BeginTransaction();

IList<Seat> result = TicketDAO.GetOrderedSeatsForScreening(screening);

TicketDAO.CommitTransaction();

return result;

}

/\*\*

\* Save the order

\*/

public void SaveOrder(TicketOrder order) {

// begin transaction

TicketDAO.BeginTransaction();

TicketDAO.Save(order);

TicketDAO.CommitTransaction();

}

/\*\*

\* Get all available seats for the passed screening

\*/

public IList<Seat> GetAvailableSeats(Screening screening) {

// begin transaction

TicketDAO.BeginTransaction();

// get all seats

IList<Seat> allSeats = ScreeningRoomDAO.GetSeatsForScreeningRoom(screening.ScreeningRoom);

// get taken seats

IList<Seat> takenSeats = TicketDAO.GetOrderedSeatsForScreening(screening);

// commit transaction

TicketDAO.CommitTransaction();

// create an empty seat collection for the results

IList<Seat> result = new List<Seat>();

// iterate all seats and check if already taken, if not add to the results

foreach (Seat seat in allSeats) {

if (!takenSeats.Contains<Seat>(seat)) {

result.Add(seat);

}

}

// return the results

return result;

}

/\*\*

\* Get all tehe seats for the passed screening romm

\*

\*/

public IList<Seat> GetSeatsForScreeningRoom(Screening screening) {

// create an empty result collection of seats

IList<Seat> result = new List<Seat>();

// begin a transaction

ScreeningRoomDAO.BeginTransaction();

// get the seats collection via the ScreeningRoomDAO

result = ScreeningRoomDAO.GetSeatsForScreeningRoom(screening.ScreeningRoom);

// commit transaction

ScreeningRoomDAO.CommitTransaction();

// return the results

return result;

}

/\*\*

\* Get the collection of Films

\*/

public IList<Film> GetFilms() {

// begin a transaction

FilmDAO.BeginTransaction();

IList<Film> results = FilmDAO.GetFilms();

// commit transaction

FilmDAO.CommitTransaction();

// return the results

return results;

}

/\*\*

\* Get the collection of Screenings for the specified film available from the specified date

\*/

public IList<Screening> GetScreeningTimes(Film film, DateTime fromDateTime) {

// begin a transaction

ScreeningDAO.BeginTransaction();

// get the screenings result set for the film from the specified date

IList<Screening> results = ScreeningDAO.GetScreenings(film, fromDateTime);

// commit transaction

ScreeningDAO.CommitTransaction();

// return the results

return results;

}

}

}

### ReportServices

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using CinemaBookingSystem.DAO;

using NHibernate;

using CinemaBookingSystem.DomainModel;

namespace CinemaBookingSystem.Services {

public class ReportService {

private ReportingDAO ReportingDAO;

public ReportService() : base() {

ReportingDAO = new ReportingDAO();

}

//Gets the from and to dates, as well as the users(cashiers) for the report function

public IList<TicketOrder> GetCashierSalesForPeriod(List<ApplicationUser> users, DateTime dateFrom, DateTime dateTo) {

ReportingDAO.BeginTransaction();

IList<TicketOrder> result = ReportingDAO.GetCashierSalesForPeriod(users, dateFrom, dateTo);

ReportingDAO.CommitTransaction();

return result;

}

//gets the collection of orders by time period to show in report function

public IList<TicketOrder> GetSalesForPeriod(DateTime dateFrom, DateTime dateTo) {

ReportingDAO.BeginTransaction();

IList<TicketOrder> result = ReportingDAO.GetSalesForPeriod(dateFrom, dateTo);

ReportingDAO.CommitTransaction();

return result;

}

}

}

## Utils

### DateUtil Class

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace CinemaBookingSystem.Utils {

/\*\*

\* utility class with static methods used to adjust the time on a DateTime instance

\*/

public class DateUtil {

/\*\*

\* Return a new DateTime instance with the same Date as in the passed dateTime parameter, but the time reset to

\* the values in the hours, minutes , seconds and milliseconds parameters

\*/

public static DateTime ChangeTime(DateTime dateTime, int hours, int minutes, int seconds) {

return new DateTime(

dateTime.Year,

dateTime.Month,

dateTime.Day,

hours,

minutes,

seconds,

1,

dateTime.Kind);

}

/\*\*

\* Return a new DateTime with the same date as in the dateTime parameter but with the time adjusted to;

\* Just after midnight (1 millisecond) if minTime = true

\* Just before midnight (1 millisecond) if minTime = false

\*/

public static DateTime ChangeTime(DateTime dateTime, Boolean minTime) {

if (minTime) {

return DateUtil.ChangeTime(dateTime, 0, 0, 0);

} else {

return DateUtil.ChangeTime(dateTime, 23, 59, 59);

}

}

}

}

### NhibernateConfig

## Form Code (View Tier)

### LogonForm Designer Partial Class

namespace CinemaBookingSystem

{

partial class LogonForm

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#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>

private void InitializeComponent()

{

this.label1 = new System.Windows.Forms.Label();

this.label2 = new System.Windows.Forms.Label();

this.tb\_UserName = new System.Windows.Forms.TextBox();

this.btn\_Login = new System.Windows.Forms.Button();

this.btn\_Exit = new System.Windows.Forms.Button();

this.tb\_Password = new System.Windows.Forms.MaskedTextBox();

this.SuspendLayout();

//

// label1

//

this.label1.AutoSize = true;

this.label1.Location = new System.Drawing.Point(77, 45);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(58, 13);

this.label1.TabIndex = 0;

this.label1.Text = "Username:";

//

// label2

//

this.label2.AutoSize = true;

this.label2.Location = new System.Drawing.Point(77, 80);

this.label2.Name = "label2";

this.label2.Size = new System.Drawing.Size(56, 13);

this.label2.TabIndex = 2;

this.label2.Text = "Password:";

//

// tb\_UserName

//

this.tb\_UserName.Location = new System.Drawing.Point(142, 45);

this.tb\_UserName.Name = "tb\_UserName";

this.tb\_UserName.Size = new System.Drawing.Size(174, 20);

this.tb\_UserName.TabIndex = 1;

//

// btn\_Login

//

this.btn\_Login.DialogResult = System.Windows.Forms.DialogResult.OK;

this.btn\_Login.Location = new System.Drawing.Point(138, 145);

this.btn\_Login.Name = "btn\_Login";

this.btn\_Login.Size = new System.Drawing.Size(75, 23);

this.btn\_Login.TabIndex = 4;

this.btn\_Login.Text = "Logon";

this.btn\_Login.UseVisualStyleBackColor = true;

this.btn\_Login.Click += new System.EventHandler(this.LoginButton\_Click);

//

// btn\_Exit

//

this.btn\_Exit.CausesValidation = false;

this.btn\_Exit.DialogResult = System.Windows.Forms.DialogResult.Cancel;

this.btn\_Exit.Location = new System.Drawing.Point(241, 145);

this.btn\_Exit.Name = "btn\_Exit";

this.btn\_Exit.Size = new System.Drawing.Size(75, 23);

this.btn\_Exit.TabIndex = 5;

this.btn\_Exit.Text = "Exit";

this.btn\_Exit.UseVisualStyleBackColor = true;

this.btn\_Exit.Click += new System.EventHandler(this.ExitButton\_Click);

//

// tb\_Password

//

this.tb\_Password.Location = new System.Drawing.Point(142, 80);

this.tb\_Password.Name = "tb\_Password";

this.tb\_Password.PasswordChar = '\*';

this.tb\_Password.Size = new System.Drawing.Size(174, 20);

this.tb\_Password.TabIndex = 3;

//

// LogonForm

//

this.AutoScaleDimensions = new System.Drawing.SizeF(6F, 13F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.CancelButton = this.btn\_Exit;

this.ClientSize = new System.Drawing.Size(406, 192);

this.Controls.Add(this.tb\_Password);

this.Controls.Add(this.btn\_Exit);

this.Controls.Add(this.btn\_Login);

this.Controls.Add(this.tb\_UserName);

this.Controls.Add(this.label2);

this.Controls.Add(this.label1);

this.Name = "LogonForm";

this.Text = "Cinema Booking System Login";

this.ResumeLayout(false);

this.PerformLayout();

}

#endregion

private System.Windows.Forms.Label label1;

private System.Windows.Forms.Label label2;

private System.Windows.Forms.TextBox tb\_UserName;

private System.Windows.Forms.Button btn\_Login;

private System.Windows.Forms.Button btn\_Exit;

private System.Windows.Forms.MaskedTextBox tb\_Password;

}

}

#### LogonForm Code behind partial class

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Windows.Forms;

using CinemaBookingSystem.Services;

using CinemaBookingSystem.DomainModel;

using CinemaBookingSystem.Exceptions;

namespace CinemaBookingSystem {

/\*\*

\* Main login screen for the application

\*/

public partial class LogonForm : Form {

// static property holding the login form instance

public static LogonForm Instance { get; set; }

public LogonForm() {

InitializeComponent();

// store the login view in the static property

LogonForm.Instance = this;

}

/\*\*

\* Main logon method. takes a username and password and calls the AuthenticationServices Login service

\* If login is successfull the main application window is displayed.

\*

\* If and exception is thrown then the appropriate message is displayed

\* and the login dialog reset.

\*/

private void Login(String username, String password) {

try {

AuthenticationServices service = new AuthenticationServices();

ApplicationUser user = service.Logon(username, password);

MDICinemaBookingSystem instance = new MDICinemaBookingSystem(user);

this.Hide();

instance.Show();

} catch (AuthenticationException authErr) {

MessageBox.Show("The credentials entered are invalid, please re-enter.");

} catch (Exception e) {

// catch all other exceptions

MessageBox.Show("The following error occured: " + e.Message + " You can try login in again.");

}

tb\_Password.Text = "";

tb\_UserName.Text = "";

tb\_UserName.Focus();

}

/\*\*

\* Login button click handler - authenticates the user credentials entered

\*/

private void LoginButton\_Click(object sender, EventArgs e) {

Login(tb\_UserName.Text, tb\_Password.Text);

}

/\*\*

\* Exit button handler. Exits the application

\*/

private void ExitButton\_Click(object sender, EventArgs e) {

Application.Exit();

}

}

}

### MDICinemaBookingSystem Designer Partial Class

namespace CinemaBookingSystem

{

partial class MDICinemaBookingSystem

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#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>

private void InitializeComponent()

{

this.components = new System.ComponentModel.Container();

System.Windows.Forms.ListViewItem listViewItem1 = new System.Windows.Forms.ListViewItem(new string[] {

"Thursday 29th Feb",

"14:30"}, -1);

System.Windows.Forms.ListViewItem listViewItem2 = new System.Windows.Forms.ListViewItem(new string[] {

"Thursday 29th Feb",

"18:45"}, -1);

System.Windows.Forms.ListViewItem listViewItem3 = new System.Windows.Forms.ListViewItem(new string[] {

"Friday 27th Feb",

"14:30"}, -1);

System.Windows.Forms.ListViewItem listViewItem4 = new System.Windows.Forms.ListViewItem(new string[] {

"Friday 27th Feb",

"18:45"}, -1);

System.Windows.Forms.ListViewItem listViewItem5 = new System.Windows.Forms.ListViewItem(new string[] {

"Monday 2nd Mar",

"12:45"}, -1);

System.Windows.Forms.ListViewItem listViewItem6 = new System.Windows.Forms.ListViewItem(new string[] {

"Monday 2nd Mar",

"16:00"}, -1);

this.statusStrip = new System.Windows.Forms.StatusStrip();

this.toolStripStatusLabel = new System.Windows.Forms.ToolStripStatusLabel();

this.toolStripProgressBar1 = new System.Windows.Forms.ToolStripProgressBar();

this.toolTip = new System.Windows.Forms.ToolTip(this.components);

this.splitContainer1 = new System.Windows.Forms.SplitContainer();

this.grpb\_SearchCriteria = new System.Windows.Forms.GroupBox();

this.searchLayoutPanel = new System.Windows.Forms.FlowLayoutPanel();

this.lbl\_FilmTitle = new System.Windows.Forms.Label();

this.lb\_FilmTitle = new System.Windows.Forms.ComboBox();

this.lbl\_ScreeningTimes = new System.Windows.Forms.Label();

this.lv\_ScreeningTimes = new System.Windows.Forms.ListView();

this.dateHeader = ((System.Windows.Forms.ColumnHeader)(new System.Windows.Forms.ColumnHeader()));

this.timeHeader = ((System.Windows.Forms.ColumnHeader)(new System.Windows.Forms.ColumnHeader()));

this.flowLayoutPanel1 = new System.Windows.Forms.FlowLayoutPanel();

this.searchButton = new System.Windows.Forms.Button();

this.tc\_ScreeningRoom = new System.Windows.Forms.TabControl();

this.tpScreeningRoom = new System.Windows.Forms.TabPage();

this.splitContainer2 = new System.Windows.Forms.SplitContainer();

this.standardTableLayoutPanel = new System.Windows.Forms.TableLayoutPanel();

this.seat\_R11\_C10 = new System.Windows.Forms.PictureBox();

this.seat\_R11\_C9 = new System.Windows.Forms.PictureBox();

this.seat\_R11\_C8 = new System.Windows.Forms.PictureBox();

this.seat\_R11\_C7 = new System.Windows.Forms.PictureBox();

this.seat\_R11\_C6 = new System.Windows.Forms.PictureBox();

this.seat\_R11\_C5 = new System.Windows.Forms.PictureBox();

this.seat\_R11\_C4 = new System.Windows.Forms.PictureBox();

this.seat\_R11\_C3 = new System.Windows.Forms.PictureBox();

this.seat\_R11\_C2 = new System.Windows.Forms.PictureBox();

this.seat\_R11\_C1 = new System.Windows.Forms.PictureBox();

this.seat\_R9\_C10 = new System.Windows.Forms.PictureBox();

this.seat\_R9\_C9 = new System.Windows.Forms.PictureBox();

this.seat\_R9\_C8 = new System.Windows.Forms.PictureBox();

this.seat\_R9\_C7 = new System.Windows.Forms.PictureBox();

this.seat\_R9\_C6 = new System.Windows.Forms.PictureBox();

this.seat\_R9\_C5 = new System.Windows.Forms.PictureBox();

this.seat\_R9\_C4 = new System.Windows.Forms.PictureBox();

this.seat\_R9\_C3 = new System.Windows.Forms.PictureBox();

this.seat\_R9\_C2 = new System.Windows.Forms.PictureBox();

this.seat\_R9\_C1 = new System.Windows.Forms.PictureBox();

this.seat\_R8\_C10 = new System.Windows.Forms.PictureBox();

this.seat\_R8\_C9 = new System.Windows.Forms.PictureBox();

this.seat\_R8\_C8 = new System.Windows.Forms.PictureBox();

this.seat\_R8\_C7 = new System.Windows.Forms.PictureBox();

this.seat\_R8\_C6 = new System.Windows.Forms.PictureBox();

this.seat\_R8\_C5 = new System.Windows.Forms.PictureBox();

this.seat\_R8\_C4 = new System.Windows.Forms.PictureBox();

this.seat\_R8\_C3 = new System.Windows.Forms.PictureBox();

this.seat\_R8\_C2 = new System.Windows.Forms.PictureBox();

this.seat\_R8\_C1 = new System.Windows.Forms.PictureBox();

this.seat\_R7\_C10 = new System.Windows.Forms.PictureBox();

this.seat\_R7\_C9 = new System.Windows.Forms.PictureBox();

this.seat\_R7\_C8 = new System.Windows.Forms.PictureBox();

this.seat\_R7\_C7 = new System.Windows.Forms.PictureBox();

this.seat\_R7\_C6 = new System.Windows.Forms.PictureBox();

this.seat\_R7\_C5 = new System.Windows.Forms.PictureBox();

this.seat\_R7\_C4 = new System.Windows.Forms.PictureBox();

this.seat\_R7\_C3 = new System.Windows.Forms.PictureBox();

this.seat\_R7\_C2 = new System.Windows.Forms.PictureBox();

this.seat\_R7\_C1 = new System.Windows.Forms.PictureBox();

this.seat\_R6\_C10 = new System.Windows.Forms.PictureBox();

this.seat\_R6\_C9 = new System.Windows.Forms.PictureBox();

this.seat\_R6\_C8 = new System.Windows.Forms.PictureBox();

this.seat\_R6\_C7 = new System.Windows.Forms.PictureBox();

this.seat\_R6\_C6 = new System.Windows.Forms.PictureBox();

this.seat\_R6\_C5 = new System.Windows.Forms.PictureBox();

this.seat\_R6\_C4 = new System.Windows.Forms.PictureBox();

this.seat\_R6\_C3 = new System.Windows.Forms.PictureBox();

this.seat\_R6\_C2 = new System.Windows.Forms.PictureBox();

this.seat\_R6\_C1 = new System.Windows.Forms.PictureBox();

this.seat\_R5\_C10 = new System.Windows.Forms.PictureBox();

this.seat\_R5\_C9 = new System.Windows.Forms.PictureBox();

this.seat\_R5\_C8 = new System.Windows.Forms.PictureBox();

this.seat\_R5\_C7 = new System.Windows.Forms.PictureBox();

this.seat\_R5\_C6 = new System.Windows.Forms.PictureBox();

this.seat\_R5\_C5 = new System.Windows.Forms.PictureBox();

this.seat\_R5\_C4 = new System.Windows.Forms.PictureBox();

this.seat\_R5\_C3 = new System.Windows.Forms.PictureBox();

this.seat\_R5\_C2 = new System.Windows.Forms.PictureBox();

this.seat\_R5\_C1 = new System.Windows.Forms.PictureBox();

this.seat\_R4\_C10 = new System.Windows.Forms.PictureBox();

this.seat\_R4\_C9 = new System.Windows.Forms.PictureBox();

this.seat\_R4\_C8 = new System.Windows.Forms.PictureBox();

this.seat\_R4\_C7 = new System.Windows.Forms.PictureBox();

this.seat\_R4\_C6 = new System.Windows.Forms.PictureBox();

this.seat\_R4\_C5 = new System.Windows.Forms.PictureBox();

this.seat\_R4\_C4 = new System.Windows.Forms.PictureBox();

this.seat\_R4\_C3 = new System.Windows.Forms.PictureBox();

this.seat\_R4\_C2 = new System.Windows.Forms.PictureBox();

this.seat\_R4\_C1 = new System.Windows.Forms.PictureBox();

this.seat\_R3\_C10 = new System.Windows.Forms.PictureBox();

this.seat\_R3\_C9 = new System.Windows.Forms.PictureBox();

this.seat\_R3\_C8 = new System.Windows.Forms.PictureBox();

this.seat\_R3\_C7 = new System.Windows.Forms.PictureBox();

this.seat\_R3\_C6 = new System.Windows.Forms.PictureBox();

this.seat\_R3\_C5 = new System.Windows.Forms.PictureBox();

this.seat\_R3\_C4 = new System.Windows.Forms.PictureBox();

this.seat\_R3\_C3 = new System.Windows.Forms.PictureBox();

this.seat\_R3\_C2 = new System.Windows.Forms.PictureBox();

this.seat\_R3\_C1 = new System.Windows.Forms.PictureBox();

this.seat\_R2\_C10 = new System.Windows.Forms.PictureBox();

this.seat\_R2\_C9 = new System.Windows.Forms.PictureBox();

this.seat\_R2\_C8 = new System.Windows.Forms.PictureBox();

this.seat\_R2\_C7 = new System.Windows.Forms.PictureBox();

this.seat\_R2\_C6 = new System.Windows.Forms.PictureBox();

this.seat\_R2\_C5 = new System.Windows.Forms.PictureBox();

this.seat\_R2\_C4 = new System.Windows.Forms.PictureBox();

this.seat\_R2\_C3 = new System.Windows.Forms.PictureBox();

this.seat\_R2\_C2 = new System.Windows.Forms.PictureBox();

this.seat\_R2\_C1 = new System.Windows.Forms.PictureBox();

this.seat\_R1\_C10 = new System.Windows.Forms.PictureBox();

this.seat\_R1\_C9 = new System.Windows.Forms.PictureBox();

this.seat\_R1\_C2 = new System.Windows.Forms.PictureBox();

this.seat\_R1\_C1 = new System.Windows.Forms.PictureBox();

this.seat\_R10\_C10 = new System.Windows.Forms.PictureBox();

this.seat\_R10\_C9 = new System.Windows.Forms.PictureBox();

this.seat\_R10\_C3 = new System.Windows.Forms.PictureBox();

this.seat\_R10\_C2 = new System.Windows.Forms.PictureBox();

this.seat\_R10\_C1 = new System.Windows.Forms.PictureBox();

this.seat\_R10\_C6 = new System.Windows.Forms.PictureBox();

this.seat\_R10\_C5 = new System.Windows.Forms.PictureBox();

this.seat\_R10\_C4 = new System.Windows.Forms.PictureBox();

this.seat\_R10\_C8 = new System.Windows.Forms.PictureBox();

this.seat\_R10\_C7 = new System.Windows.Forms.PictureBox();

this.seat\_R1\_C8 = new System.Windows.Forms.PictureBox();

this.seat\_R1\_C7 = new System.Windows.Forms.PictureBox();

this.seat\_R1\_C6 = new System.Windows.Forms.PictureBox();

this.seat\_R1\_C5 = new System.Windows.Forms.PictureBox();

this.seat\_R1\_C3 = new System.Windows.Forms.PictureBox();

this.seat\_R1\_C4 = new System.Windows.Forms.PictureBox();

this.checkoutOptionsGroupBox = new System.Windows.Forms.GroupBox();

this.cancelButton = new System.Windows.Forms.Button();

this.proceedToCheckoutButton = new System.Windows.Forms.Button();

this.tb\_SelectedSeatCount = new System.Windows.Forms.TextBox();

this.lbl\_SelectedCount = new System.Windows.Forms.Label();

this.reportsToolStripMenuItem = new System.Windows.Forms.ToolStripMenuItem();

this.totalTakingsByPeriodToolStripMenuItem = new System.Windows.Forms.ToolStripMenuItem();

this.salesByCashierToolStripMenuItem = new System.Windows.Forms.ToolStripMenuItem();

this.logoutToolStripMenuItem = new System.Windows.Forms.ToolStripMenuItem();

this.menuStrip = new System.Windows.Forms.MenuStrip();

this.lbl\_LoggedInUser = new System.Windows.Forms.Label();

this.statusStrip.SuspendLayout();

((System.ComponentModel.ISupportInitialize)(this.splitContainer1)).BeginInit();

this.splitContainer1.Panel1.SuspendLayout();

this.splitContainer1.Panel2.SuspendLayout();

this.splitContainer1.SuspendLayout();

this.grpb\_SearchCriteria.SuspendLayout();

this.searchLayoutPanel.SuspendLayout();

this.flowLayoutPanel1.SuspendLayout();

this.tc\_ScreeningRoom.SuspendLayout();

this.tpScreeningRoom.SuspendLayout();

((System.ComponentModel.ISupportInitialize)(this.splitContainer2)).BeginInit();

this.splitContainer2.Panel1.SuspendLayout();

this.splitContainer2.Panel2.SuspendLayout();

this.splitContainer2.SuspendLayout();

this.standardTableLayoutPanel.SuspendLayout();

((System.ComponentModel.ISupportInitialize)(this.seat\_R11\_C10)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R11\_C9)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R11\_C8)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R11\_C7)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R11\_C6)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R11\_C5)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R11\_C4)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R11\_C3)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R11\_C2)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R11\_C1)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R9\_C10)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R9\_C9)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R9\_C8)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R9\_C7)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R9\_C6)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R9\_C5)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R9\_C4)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R9\_C3)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R9\_C2)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R9\_C1)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R8\_C10)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R8\_C9)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R8\_C8)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R8\_C7)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R8\_C6)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R8\_C5)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R8\_C4)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R8\_C3)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R8\_C2)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R8\_C1)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R7\_C10)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R7\_C9)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R7\_C8)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R7\_C7)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R7\_C6)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R7\_C5)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R7\_C4)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R7\_C3)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R7\_C2)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R7\_C1)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R6\_C10)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R6\_C9)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R6\_C8)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R6\_C7)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R6\_C6)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R6\_C5)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R6\_C4)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R6\_C3)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R6\_C2)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R6\_C1)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R5\_C10)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R5\_C9)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R5\_C8)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R5\_C7)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R5\_C6)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R5\_C5)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R5\_C4)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R5\_C3)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R5\_C2)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R5\_C1)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R4\_C10)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R4\_C9)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R4\_C8)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R4\_C7)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R4\_C6)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R4\_C5)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R4\_C4)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R4\_C3)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R4\_C2)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R4\_C1)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R3\_C10)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R3\_C9)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R3\_C8)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R3\_C7)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R3\_C6)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R3\_C5)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R3\_C4)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R3\_C3)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R3\_C2)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R3\_C1)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R2\_C10)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R2\_C9)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R2\_C8)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R2\_C7)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R2\_C6)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R2\_C5)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R2\_C4)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R2\_C3)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R2\_C2)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R2\_C1)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R1\_C10)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R1\_C9)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R1\_C2)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R1\_C1)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R10\_C10)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R10\_C9)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R10\_C3)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R10\_C2)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R10\_C1)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R10\_C6)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R10\_C5)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R10\_C4)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R10\_C8)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R10\_C7)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R1\_C8)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R1\_C7)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R1\_C6)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R1\_C5)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R1\_C3)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R1\_C4)).BeginInit();

this.checkoutOptionsGroupBox.SuspendLayout();

this.menuStrip.SuspendLayout();

this.SuspendLayout();

//

// statusStrip

//

this.statusStrip.Items.AddRange(new System.Windows.Forms.ToolStripItem[] {

this.toolStripStatusLabel,

this.toolStripProgressBar1});

this.statusStrip.Location = new System.Drawing.Point(5, 636);

this.statusStrip.Name = "statusStrip";

this.statusStrip.Size = new System.Drawing.Size(885, 22);

this.statusStrip.TabIndex = 2;

this.statusStrip.Text = "StatusStrip";

//

// toolStripStatusLabel

//

this.toolStripStatusLabel.Name = "toolStripStatusLabel";

this.toolStripStatusLabel.Size = new System.Drawing.Size(39, 17);

this.toolStripStatusLabel.Text = "Status";

//

// toolStripProgressBar1

//

this.toolStripProgressBar1.Name = "toolStripProgressBar1";

this.toolStripProgressBar1.Size = new System.Drawing.Size(100, 16);

//

// splitContainer1

//

this.splitContainer1.Dock = System.Windows.Forms.DockStyle.Fill;

this.splitContainer1.Location = new System.Drawing.Point(5, 39);

this.splitContainer1.Name = "splitContainer1";

//

// splitContainer1.Panel1

//

this.splitContainer1.Panel1.Controls.Add(this.grpb\_SearchCriteria);

//

// splitContainer1.Panel2

//

this.splitContainer1.Panel2.Controls.Add(this.tc\_ScreeningRoom);

this.splitContainer1.Size = new System.Drawing.Size(885, 597);

this.splitContainer1.SplitterDistance = 199;

this.splitContainer1.TabIndex = 4;

//

// grpb\_SearchCriteria

//

this.grpb\_SearchCriteria.Controls.Add(this.searchLayoutPanel);

this.grpb\_SearchCriteria.Dock = System.Windows.Forms.DockStyle.Fill;

this.grpb\_SearchCriteria.Location = new System.Drawing.Point(0, 0);

this.grpb\_SearchCriteria.Name = "grpb\_SearchCriteria";

this.grpb\_SearchCriteria.Padding = new System.Windows.Forms.Padding(5, 10, 5, 5);

this.grpb\_SearchCriteria.Size = new System.Drawing.Size(199, 597);

this.grpb\_SearchCriteria.TabIndex = 0;

this.grpb\_SearchCriteria.TabStop = false;

this.grpb\_SearchCriteria.Text = "Search Criteria";

//

// searchLayoutPanel

//

this.searchLayoutPanel.Controls.Add(this.lbl\_FilmTitle);

this.searchLayoutPanel.Controls.Add(this.lb\_FilmTitle);

this.searchLayoutPanel.Controls.Add(this.lbl\_ScreeningTimes);

this.searchLayoutPanel.Controls.Add(this.lv\_ScreeningTimes);

this.searchLayoutPanel.Controls.Add(this.flowLayoutPanel1);

this.searchLayoutPanel.Location = new System.Drawing.Point(5, 23);

this.searchLayoutPanel.Name = "searchLayoutPanel";

this.searchLayoutPanel.Size = new System.Drawing.Size(191, 582);

this.searchLayoutPanel.TabIndex = 0;

//

// lbl\_FilmTitle

//

this.lbl\_FilmTitle.AutoSize = true;

this.lbl\_FilmTitle.Location = new System.Drawing.Point(3, 0);

this.lbl\_FilmTitle.Name = "lbl\_FilmTitle";

this.lbl\_FilmTitle.Size = new System.Drawing.Size(51, 13);

this.lbl\_FilmTitle.TabIndex = 0;

this.lbl\_FilmTitle.Text = "Film Title:";

//

// lb\_FilmTitle

//

this.lb\_FilmTitle.CausesValidation = false;

this.lb\_FilmTitle.FormattingEnabled = true;

this.lb\_FilmTitle.Items.AddRange(new object[] {

"The Life of Brian",

"Enter the Dragon",

"LOTR - Return Of The King",

"50 Shades of Bamby"});

this.lb\_FilmTitle.Location = new System.Drawing.Point(3, 16);

this.lb\_FilmTitle.Name = "lb\_FilmTitle";

this.lb\_FilmTitle.Size = new System.Drawing.Size(186, 21);

this.lb\_FilmTitle.TabIndex = 1;

this.lb\_FilmTitle.SelectedIndexChanged += new System.EventHandler(this.filmTitleComboBox\_SelectedIndexChanged);

//

// lbl\_ScreeningTimes

//

this.lbl\_ScreeningTimes.AutoSize = true;

this.lbl\_ScreeningTimes.Location = new System.Drawing.Point(3, 40);

this.lbl\_ScreeningTimes.Name = "lbl\_ScreeningTimes";

this.lbl\_ScreeningTimes.Size = new System.Drawing.Size(114, 13);

this.lbl\_ScreeningTimes.TabIndex = 2;

this.lbl\_ScreeningTimes.Text = "Screening Date/Times";

//

// lv\_ScreeningTimes

//

this.lv\_ScreeningTimes.CausesValidation = false;

this.lv\_ScreeningTimes.Columns.AddRange(new System.Windows.Forms.ColumnHeader[] {

this.dateHeader,

this.timeHeader});

this.lv\_ScreeningTimes.HeaderStyle = System.Windows.Forms.ColumnHeaderStyle.Nonclickable;

this.lv\_ScreeningTimes.Items.AddRange(new System.Windows.Forms.ListViewItem[] {

listViewItem1,

listViewItem2,

listViewItem3,

listViewItem4,

listViewItem5,

listViewItem6});

this.lv\_ScreeningTimes.Location = new System.Drawing.Point(3, 56);

this.lv\_ScreeningTimes.MultiSelect = false;

this.lv\_ScreeningTimes.Name = "lv\_ScreeningTimes";

this.lv\_ScreeningTimes.Size = new System.Drawing.Size(185, 479);

this.lv\_ScreeningTimes.TabIndex = 2;

this.lv\_ScreeningTimes.UseCompatibleStateImageBehavior = false;

this.lv\_ScreeningTimes.View = System.Windows.Forms.View.Details;

//

// dateHeader

//

this.dateHeader.Text = "Date";

this.dateHeader.Width = 118;

//

// timeHeader

//

this.timeHeader.Text = "Time";

//

// flowLayoutPanel1

//

this.flowLayoutPanel1.Controls.Add(this.searchButton);

this.flowLayoutPanel1.FlowDirection = System.Windows.Forms.FlowDirection.RightToLeft;

this.flowLayoutPanel1.Location = new System.Drawing.Point(3, 541);

this.flowLayoutPanel1.Name = "flowLayoutPanel1";

this.flowLayoutPanel1.Size = new System.Drawing.Size(185, 31);

this.flowLayoutPanel1.TabIndex = 6;

//

// searchButton

//

this.searchButton.Location = new System.Drawing.Point(107, 3);

this.searchButton.Name = "searchButton";

this.searchButton.Size = new System.Drawing.Size(75, 23);

this.searchButton.TabIndex = 6;

this.searchButton.Text = "Search";

this.searchButton.UseVisualStyleBackColor = true;

this.searchButton.Click += new System.EventHandler(this.searchButton\_Click);

//

// tc\_ScreeningRoom

//

this.tc\_ScreeningRoom.Controls.Add(this.tpScreeningRoom);

this.tc\_ScreeningRoom.Dock = System.Windows.Forms.DockStyle.Fill;

this.tc\_ScreeningRoom.Location = new System.Drawing.Point(0, 0);

this.tc\_ScreeningRoom.Name = "tc\_ScreeningRoom";

this.tc\_ScreeningRoom.SelectedIndex = 0;

this.tc\_ScreeningRoom.Size = new System.Drawing.Size(682, 597);

this.tc\_ScreeningRoom.TabIndex = 0;

//

// tpScreeningRoom

//

this.tpScreeningRoom.Controls.Add(this.splitContainer2);

this.tpScreeningRoom.Location = new System.Drawing.Point(4, 22);

this.tpScreeningRoom.Name = "tpScreeningRoom";

this.tpScreeningRoom.Padding = new System.Windows.Forms.Padding(3);

this.tpScreeningRoom.Size = new System.Drawing.Size(674, 571);

this.tpScreeningRoom.TabIndex = 0;

this.tpScreeningRoom.Text = "Glasgow";

this.tpScreeningRoom.UseVisualStyleBackColor = true;

//

// splitContainer2

//

this.splitContainer2.Dock = System.Windows.Forms.DockStyle.Fill;

this.splitContainer2.Location = new System.Drawing.Point(3, 3);

this.splitContainer2.Name = "splitContainer2";

this.splitContainer2.Orientation = System.Windows.Forms.Orientation.Horizontal;

//

// splitContainer2.Panel1

//

this.splitContainer2.Panel1.Controls.Add(this.standardTableLayoutPanel);

//

// splitContainer2.Panel2

//

this.splitContainer2.Panel2.Controls.Add(this.checkoutOptionsGroupBox);

this.splitContainer2.Size = new System.Drawing.Size(668, 565);

this.splitContainer2.SplitterDistance = 488;

this.splitContainer2.TabIndex = 3;

//

// standardTableLayoutPanel

//

this.standardTableLayoutPanel.AutoSize = true;

this.standardTableLayoutPanel.AutoSizeMode = System.Windows.Forms.AutoSizeMode.GrowAndShrink;

this.standardTableLayoutPanel.CellBorderStyle = System.Windows.Forms.TableLayoutPanelCellBorderStyle.Inset;

this.standardTableLayoutPanel.ColumnCount = 10;

this.standardTableLayoutPanel.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.ColumnStyles.Add(new System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.Controls.Add(this.seat\_R11\_C10, 9, 10);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R11\_C9, 8, 10);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R11\_C8, 7, 10);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R11\_C7, 6, 10);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R11\_C6, 5, 10);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R11\_C5, 4, 10);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R11\_C4, 3, 10);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R11\_C3, 2, 10);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R11\_C2, 1, 10);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R11\_C1, 0, 10);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R9\_C10, 9, 8);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R9\_C9, 8, 8);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R9\_C8, 7, 8);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R9\_C7, 6, 8);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R9\_C6, 5, 8);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R9\_C5, 4, 8);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R9\_C4, 3, 8);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R9\_C3, 2, 8);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R9\_C2, 1, 8);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R9\_C1, 0, 8);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R8\_C10, 9, 7);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R8\_C9, 8, 7);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R8\_C8, 7, 7);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R8\_C7, 6, 7);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R8\_C6, 5, 7);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R8\_C5, 4, 7);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R8\_C4, 3, 7);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R8\_C3, 2, 7);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R8\_C2, 1, 7);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R8\_C1, 0, 7);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R7\_C10, 9, 6);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R7\_C9, 8, 6);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R7\_C8, 7, 6);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R7\_C7, 6, 6);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R7\_C6, 5, 6);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R7\_C5, 4, 6);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R7\_C4, 3, 6);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R7\_C3, 2, 6);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R7\_C2, 1, 6);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R7\_C1, 0, 6);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R6\_C10, 9, 5);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R6\_C9, 8, 5);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R6\_C8, 7, 5);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R6\_C7, 6, 5);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R6\_C6, 5, 5);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R6\_C5, 4, 5);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R6\_C4, 3, 5);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R6\_C3, 2, 5);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R6\_C2, 1, 5);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R6\_C1, 0, 5);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R5\_C10, 9, 4);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R5\_C9, 8, 4);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R5\_C8, 7, 4);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R5\_C7, 6, 4);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R5\_C6, 5, 4);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R5\_C5, 4, 4);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R5\_C4, 3, 4);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R5\_C3, 2, 4);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R5\_C2, 1, 4);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R5\_C1, 0, 4);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R4\_C10, 9, 3);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R4\_C9, 8, 3);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R4\_C8, 7, 3);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R4\_C7, 6, 3);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R4\_C6, 5, 3);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R4\_C5, 4, 3);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R4\_C4, 3, 3);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R4\_C3, 2, 3);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R4\_C2, 1, 3);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R4\_C1, 0, 3);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R3\_C10, 9, 2);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R3\_C9, 8, 2);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R3\_C8, 7, 2);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R3\_C7, 6, 2);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R3\_C6, 5, 2);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R3\_C5, 4, 2);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R3\_C4, 3, 2);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R3\_C3, 2, 2);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R3\_C2, 1, 2);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R3\_C1, 0, 2);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R2\_C10, 9, 1);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R2\_C9, 8, 1);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R2\_C8, 7, 1);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R2\_C7, 6, 1);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R2\_C6, 5, 1);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R2\_C5, 4, 1);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R2\_C4, 3, 1);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R2\_C3, 2, 1);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R2\_C2, 1, 1);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R2\_C1, 0, 1);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R1\_C10, 9, 0);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R1\_C9, 8, 0);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R1\_C2, 1, 0);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R1\_C1, 0, 0);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R10\_C10, 0, 9);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R10\_C9, 0, 9);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R10\_C3, 0, 9);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R10\_C2, 0, 9);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R10\_C1, 0, 9);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R10\_C6, 0, 9);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R10\_C5, 0, 9);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R10\_C4, 0, 9);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R10\_C8, 0, 9);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R10\_C7, 0, 9);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R1\_C8, 7, 0);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R1\_C7, 6, 0);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R1\_C6, 5, 0);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R1\_C5, 4, 0);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R1\_C3, 2, 0);

this.standardTableLayoutPanel.Controls.Add(this.seat\_R1\_C4, 3, 0);

this.standardTableLayoutPanel.Dock = System.Windows.Forms.DockStyle.Fill;

this.standardTableLayoutPanel.Location = new System.Drawing.Point(0, 0);

this.standardTableLayoutPanel.Name = "standardTableLayoutPanel";

this.standardTableLayoutPanel.RowCount = 11;

this.standardTableLayoutPanel.RowStyles.Add(new System.Windows.Forms.RowStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.RowStyles.Add(new System.Windows.Forms.RowStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.RowStyles.Add(new System.Windows.Forms.RowStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.RowStyles.Add(new System.Windows.Forms.RowStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.RowStyles.Add(new System.Windows.Forms.RowStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.RowStyles.Add(new System.Windows.Forms.RowStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.RowStyles.Add(new System.Windows.Forms.RowStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.RowStyles.Add(new System.Windows.Forms.RowStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.RowStyles.Add(new System.Windows.Forms.RowStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.RowStyles.Add(new System.Windows.Forms.RowStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.RowStyles.Add(new System.Windows.Forms.RowStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.RowStyles.Add(new System.Windows.Forms.RowStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.RowStyles.Add(new System.Windows.Forms.RowStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.RowStyles.Add(new System.Windows.Forms.RowStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.RowStyles.Add(new System.Windows.Forms.RowStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.RowStyles.Add(new System.Windows.Forms.RowStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.RowStyles.Add(new System.Windows.Forms.RowStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.RowStyles.Add(new System.Windows.Forms.RowStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.RowStyles.Add(new System.Windows.Forms.RowStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.RowStyles.Add(new System.Windows.Forms.RowStyle(System.Windows.Forms.SizeType.Percent, 5F));

this.standardTableLayoutPanel.Size = new System.Drawing.Size(668, 488);

this.standardTableLayoutPanel.TabIndex = 0;

//

// seat\_R11\_C10

//

this.seat\_R11\_C10.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R11\_C10.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

this.seat\_R11\_C10.Location = new System.Drawing.Point(599, 445);

this.seat\_R11\_C10.Name = "seat\_R11\_C10";

this.seat\_R11\_C10.Size = new System.Drawing.Size(64, 38);

this.seat\_R11\_C10.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R11\_C10.TabIndex = 111;

this.seat\_R11\_C10.TabStop = false;

//

// seat\_R11\_C9

//

this.seat\_R11\_C9.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R11\_C9.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

this.seat\_R11\_C9.Location = new System.Drawing.Point(533, 445);

this.seat\_R11\_C9.Name = "seat\_R11\_C9";

this.seat\_R11\_C9.Size = new System.Drawing.Size(58, 38);

this.seat\_R11\_C9.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R11\_C9.TabIndex = 110;

this.seat\_R11\_C9.TabStop = false;

//

// seat\_R11\_C8

//

this.seat\_R11\_C8.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R11\_C8.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

this.seat\_R11\_C8.Location = new System.Drawing.Point(467, 445);

this.seat\_R11\_C8.Name = "seat\_R11\_C8";

this.seat\_R11\_C8.Size = new System.Drawing.Size(58, 38);

this.seat\_R11\_C8.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R11\_C8.TabIndex = 109;

this.seat\_R11\_C8.TabStop = false;

//

// seat\_R11\_C7

//

this.seat\_R11\_C7.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R11\_C7.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

this.seat\_R11\_C7.Location = new System.Drawing.Point(401, 445);

this.seat\_R11\_C7.Name = "seat\_R11\_C7";

this.seat\_R11\_C7.Size = new System.Drawing.Size(58, 38);

this.seat\_R11\_C7.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R11\_C7.TabIndex = 108;

this.seat\_R11\_C7.TabStop = false;

//

// seat\_R11\_C6

//

this.seat\_R11\_C6.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R11\_C6.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

this.seat\_R11\_C6.Location = new System.Drawing.Point(335, 445);

this.seat\_R11\_C6.Name = "seat\_R11\_C6";

this.seat\_R11\_C6.Size = new System.Drawing.Size(58, 38);

this.seat\_R11\_C6.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R11\_C6.TabIndex = 107;

this.seat\_R11\_C6.TabStop = false;

//

// seat\_R11\_C5

//

this.seat\_R11\_C5.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R11\_C5.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

this.seat\_R11\_C5.Location = new System.Drawing.Point(269, 445);

this.seat\_R11\_C5.Name = "seat\_R11\_C5";

this.seat\_R11\_C5.Size = new System.Drawing.Size(58, 38);

this.seat\_R11\_C5.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R11\_C5.TabIndex = 106;

this.seat\_R11\_C5.TabStop = false;

//

// seat\_R11\_C4

//

this.seat\_R11\_C4.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R11\_C4.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

this.seat\_R11\_C4.Location = new System.Drawing.Point(203, 445);

this.seat\_R11\_C4.Name = "seat\_R11\_C4";

this.seat\_R11\_C4.Size = new System.Drawing.Size(58, 38);

this.seat\_R11\_C4.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R11\_C4.TabIndex = 105;

this.seat\_R11\_C4.TabStop = false;

//

// seat\_R11\_C3

//

this.seat\_R11\_C3.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R11\_C3.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

this.seat\_R11\_C3.Location = new System.Drawing.Point(137, 445);

this.seat\_R11\_C3.Name = "seat\_R11\_C3";

this.seat\_R11\_C3.Size = new System.Drawing.Size(58, 38);

this.seat\_R11\_C3.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R11\_C3.TabIndex = 104;

this.seat\_R11\_C3.TabStop = false;

//

// seat\_R11\_C2

//

this.seat\_R11\_C2.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R11\_C2.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

this.seat\_R11\_C2.Location = new System.Drawing.Point(71, 445);

this.seat\_R11\_C2.Name = "seat\_R11\_C2";

this.seat\_R11\_C2.Size = new System.Drawing.Size(58, 38);

this.seat\_R11\_C2.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R11\_C2.TabIndex = 103;

this.seat\_R11\_C2.TabStop = false;

//

// seat\_R11\_C1

//

this.seat\_R11\_C1.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R11\_C1.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

this.seat\_R11\_C1.Location = new System.Drawing.Point(5, 445);

this.seat\_R11\_C1.Name = "seat\_R11\_C1";

this.seat\_R11\_C1.Size = new System.Drawing.Size(58, 38);

this.seat\_R11\_C1.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R11\_C1.TabIndex = 102;

this.seat\_R11\_C1.TabStop = false;

//

// seat\_R9\_C10

//

this.seat\_R9\_C10.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R9\_C10.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R9\_C10.Location = new System.Drawing.Point(599, 357);

this.seat\_R9\_C10.Name = "seat\_R9\_C10";

this.seat\_R9\_C10.Size = new System.Drawing.Size(64, 36);

this.seat\_R9\_C10.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R9\_C10.TabIndex = 101;

this.seat\_R9\_C10.TabStop = false;

//

// seat\_R9\_C9

//

this.seat\_R9\_C9.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R9\_C9.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R9\_C9.Location = new System.Drawing.Point(533, 357);

this.seat\_R9\_C9.Name = "seat\_R9\_C9";

this.seat\_R9\_C9.Size = new System.Drawing.Size(58, 36);

this.seat\_R9\_C9.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R9\_C9.TabIndex = 100;

this.seat\_R9\_C9.TabStop = false;

//

// seat\_R9\_C8

//

this.seat\_R9\_C8.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R9\_C8.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R9\_C8.Location = new System.Drawing.Point(467, 357);

this.seat\_R9\_C8.Name = "seat\_R9\_C8";

this.seat\_R9\_C8.Size = new System.Drawing.Size(58, 36);

this.seat\_R9\_C8.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R9\_C8.TabIndex = 99;

this.seat\_R9\_C8.TabStop = false;

//

// seat\_R9\_C7

//

this.seat\_R9\_C7.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R9\_C7.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R9\_C7.Location = new System.Drawing.Point(401, 357);

this.seat\_R9\_C7.Name = "seat\_R9\_C7";

this.seat\_R9\_C7.Size = new System.Drawing.Size(58, 36);

this.seat\_R9\_C7.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R9\_C7.TabIndex = 98;

this.seat\_R9\_C7.TabStop = false;

//

// seat\_R9\_C6

//

this.seat\_R9\_C6.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R9\_C6.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R9\_C6.Location = new System.Drawing.Point(335, 357);

this.seat\_R9\_C6.Name = "seat\_R9\_C6";

this.seat\_R9\_C6.Size = new System.Drawing.Size(58, 36);

this.seat\_R9\_C6.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R9\_C6.TabIndex = 97;

this.seat\_R9\_C6.TabStop = false;

//

// seat\_R9\_C5

//

this.seat\_R9\_C5.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R9\_C5.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R9\_C5.Location = new System.Drawing.Point(269, 357);

this.seat\_R9\_C5.Name = "seat\_R9\_C5";

this.seat\_R9\_C5.Size = new System.Drawing.Size(58, 36);

this.seat\_R9\_C5.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R9\_C5.TabIndex = 96;

this.seat\_R9\_C5.TabStop = false;

//

// seat\_R9\_C4

//

this.seat\_R9\_C4.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R9\_C4.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R9\_C4.Location = new System.Drawing.Point(203, 357);

this.seat\_R9\_C4.Name = "seat\_R9\_C4";

this.seat\_R9\_C4.Size = new System.Drawing.Size(58, 36);

this.seat\_R9\_C4.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R9\_C4.TabIndex = 95;

this.seat\_R9\_C4.TabStop = false;

//

// seat\_R9\_C3

//

this.seat\_R9\_C3.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R9\_C3.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R9\_C3.Location = new System.Drawing.Point(137, 357);

this.seat\_R9\_C3.Name = "seat\_R9\_C3";

this.seat\_R9\_C3.Size = new System.Drawing.Size(58, 36);

this.seat\_R9\_C3.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R9\_C3.TabIndex = 94;

this.seat\_R9\_C3.TabStop = false;

//

// seat\_R9\_C2

//

this.seat\_R9\_C2.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R9\_C2.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R9\_C2.Location = new System.Drawing.Point(71, 357);

this.seat\_R9\_C2.Name = "seat\_R9\_C2";

this.seat\_R9\_C2.Size = new System.Drawing.Size(58, 36);

this.seat\_R9\_C2.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R9\_C2.TabIndex = 93;

this.seat\_R9\_C2.TabStop = false;

//

// seat\_R9\_C1

//

this.seat\_R9\_C1.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R9\_C1.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R9\_C1.Location = new System.Drawing.Point(5, 357);

this.seat\_R9\_C1.Name = "seat\_R9\_C1";

this.seat\_R9\_C1.Size = new System.Drawing.Size(58, 36);

this.seat\_R9\_C1.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R9\_C1.TabIndex = 92;

this.seat\_R9\_C1.TabStop = false;

//

// seat\_R8\_C10

//

this.seat\_R8\_C10.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R8\_C10.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R8\_C10.Location = new System.Drawing.Point(599, 313);

this.seat\_R8\_C10.Name = "seat\_R8\_C10";

this.seat\_R8\_C10.Size = new System.Drawing.Size(64, 36);

this.seat\_R8\_C10.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R8\_C10.TabIndex = 91;

this.seat\_R8\_C10.TabStop = false;

//

// seat\_R8\_C9

//

this.seat\_R8\_C9.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R8\_C9.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R8\_C9.Location = new System.Drawing.Point(533, 313);

this.seat\_R8\_C9.Name = "seat\_R8\_C9";

this.seat\_R8\_C9.Size = new System.Drawing.Size(58, 36);

this.seat\_R8\_C9.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R8\_C9.TabIndex = 90;

this.seat\_R8\_C9.TabStop = false;

//

// seat\_R8\_C8

//

this.seat\_R8\_C8.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R8\_C8.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R8\_C8.Location = new System.Drawing.Point(467, 313);

this.seat\_R8\_C8.Name = "seat\_R8\_C8";

this.seat\_R8\_C8.Size = new System.Drawing.Size(58, 36);

this.seat\_R8\_C8.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R8\_C8.TabIndex = 89;

this.seat\_R8\_C8.TabStop = false;

//

// seat\_R8\_C7

//

this.seat\_R8\_C7.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R8\_C7.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R8\_C7.Location = new System.Drawing.Point(401, 313);

this.seat\_R8\_C7.Name = "seat\_R8\_C7";

this.seat\_R8\_C7.Size = new System.Drawing.Size(58, 36);

this.seat\_R8\_C7.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R8\_C7.TabIndex = 88;

this.seat\_R8\_C7.TabStop = false;

//

// seat\_R8\_C6

//

this.seat\_R8\_C6.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R8\_C6.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R8\_C6.Location = new System.Drawing.Point(335, 313);

this.seat\_R8\_C6.Name = "seat\_R8\_C6";

this.seat\_R8\_C6.Size = new System.Drawing.Size(58, 36);

this.seat\_R8\_C6.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R8\_C6.TabIndex = 87;

this.seat\_R8\_C6.TabStop = false;

//

// seat\_R8\_C5

//

this.seat\_R8\_C5.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R8\_C5.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R8\_C5.Location = new System.Drawing.Point(269, 313);

this.seat\_R8\_C5.Name = "seat\_R8\_C5";

this.seat\_R8\_C5.Size = new System.Drawing.Size(58, 36);

this.seat\_R8\_C5.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R8\_C5.TabIndex = 86;

this.seat\_R8\_C5.TabStop = false;

//

// seat\_R8\_C4

//

this.seat\_R8\_C4.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R8\_C4.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R8\_C4.Location = new System.Drawing.Point(203, 313);

this.seat\_R8\_C4.Name = "seat\_R8\_C4";

this.seat\_R8\_C4.Size = new System.Drawing.Size(58, 36);

this.seat\_R8\_C4.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R8\_C4.TabIndex = 85;

this.seat\_R8\_C4.TabStop = false;

//

// seat\_R8\_C3

//

this.seat\_R8\_C3.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R8\_C3.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R8\_C3.Location = new System.Drawing.Point(137, 313);

this.seat\_R8\_C3.Name = "seat\_R8\_C3";

this.seat\_R8\_C3.Size = new System.Drawing.Size(58, 36);

this.seat\_R8\_C3.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R8\_C3.TabIndex = 84;

this.seat\_R8\_C3.TabStop = false;

//

// seat\_R8\_C2

//

this.seat\_R8\_C2.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R8\_C2.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R8\_C2.Location = new System.Drawing.Point(71, 313);

this.seat\_R8\_C2.Name = "seat\_R8\_C2";

this.seat\_R8\_C2.Size = new System.Drawing.Size(58, 36);

this.seat\_R8\_C2.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R8\_C2.TabIndex = 83;

this.seat\_R8\_C2.TabStop = false;

//

// seat\_R8\_C1

//

this.seat\_R8\_C1.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R8\_C1.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R8\_C1.Location = new System.Drawing.Point(5, 313);

this.seat\_R8\_C1.Name = "seat\_R8\_C1";

this.seat\_R8\_C1.Size = new System.Drawing.Size(58, 36);

this.seat\_R8\_C1.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R8\_C1.TabIndex = 82;

this.seat\_R8\_C1.TabStop = false;

//

// seat\_R7\_C10

//

this.seat\_R7\_C10.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R7\_C10.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R7\_C10.Location = new System.Drawing.Point(599, 269);

this.seat\_R7\_C10.Name = "seat\_R7\_C10";

this.seat\_R7\_C10.Size = new System.Drawing.Size(64, 36);

this.seat\_R7\_C10.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R7\_C10.TabIndex = 81;

this.seat\_R7\_C10.TabStop = false;

//

// seat\_R7\_C9

//

this.seat\_R7\_C9.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R7\_C9.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R7\_C9.Location = new System.Drawing.Point(533, 269);

this.seat\_R7\_C9.Name = "seat\_R7\_C9";

this.seat\_R7\_C9.Size = new System.Drawing.Size(58, 36);

this.seat\_R7\_C9.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R7\_C9.TabIndex = 80;

this.seat\_R7\_C9.TabStop = false;

//

// seat\_R7\_C8

//

this.seat\_R7\_C8.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R7\_C8.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R7\_C8.Location = new System.Drawing.Point(467, 269);

this.seat\_R7\_C8.Name = "seat\_R7\_C8";

this.seat\_R7\_C8.Size = new System.Drawing.Size(58, 36);

this.seat\_R7\_C8.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R7\_C8.TabIndex = 79;

this.seat\_R7\_C8.TabStop = false;

//

// seat\_R7\_C7

//

this.seat\_R7\_C7.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R7\_C7.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R7\_C7.Location = new System.Drawing.Point(401, 269);

this.seat\_R7\_C7.Name = "seat\_R7\_C7";

this.seat\_R7\_C7.Size = new System.Drawing.Size(58, 36);

this.seat\_R7\_C7.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R7\_C7.TabIndex = 78;

this.seat\_R7\_C7.TabStop = false;

//

// seat\_R7\_C6

//

this.seat\_R7\_C6.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R7\_C6.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R7\_C6.Location = new System.Drawing.Point(335, 269);

this.seat\_R7\_C6.Name = "seat\_R7\_C6";

this.seat\_R7\_C6.Size = new System.Drawing.Size(58, 36);

this.seat\_R7\_C6.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R7\_C6.TabIndex = 77;

this.seat\_R7\_C6.TabStop = false;

//

// seat\_R7\_C5

//

this.seat\_R7\_C5.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R7\_C5.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R7\_C5.Location = new System.Drawing.Point(269, 269);

this.seat\_R7\_C5.Name = "seat\_R7\_C5";

this.seat\_R7\_C5.Size = new System.Drawing.Size(58, 36);

this.seat\_R7\_C5.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R7\_C5.TabIndex = 76;

this.seat\_R7\_C5.TabStop = false;

//

// seat\_R7\_C4

//

this.seat\_R7\_C4.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R7\_C4.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R7\_C4.Location = new System.Drawing.Point(203, 269);

this.seat\_R7\_C4.Name = "seat\_R7\_C4";

this.seat\_R7\_C4.Size = new System.Drawing.Size(58, 36);

this.seat\_R7\_C4.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R7\_C4.TabIndex = 75;

this.seat\_R7\_C4.TabStop = false;

//

// seat\_R7\_C3

//

this.seat\_R7\_C3.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R7\_C3.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R7\_C3.Location = new System.Drawing.Point(137, 269);

this.seat\_R7\_C3.Name = "seat\_R7\_C3";

this.seat\_R7\_C3.Size = new System.Drawing.Size(58, 36);

this.seat\_R7\_C3.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R7\_C3.TabIndex = 74;

this.seat\_R7\_C3.TabStop = false;

//

// seat\_R7\_C2

//

this.seat\_R7\_C2.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R7\_C2.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R7\_C2.Location = new System.Drawing.Point(71, 269);

this.seat\_R7\_C2.Name = "seat\_R7\_C2";

this.seat\_R7\_C2.Size = new System.Drawing.Size(58, 36);

this.seat\_R7\_C2.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R7\_C2.TabIndex = 73;

this.seat\_R7\_C2.TabStop = false;

//

// seat\_R7\_C1

//

this.seat\_R7\_C1.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R7\_C1.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R7\_C1.Location = new System.Drawing.Point(5, 269);

this.seat\_R7\_C1.Name = "seat\_R7\_C1";

this.seat\_R7\_C1.Size = new System.Drawing.Size(58, 36);

this.seat\_R7\_C1.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R7\_C1.TabIndex = 72;

this.seat\_R7\_C1.TabStop = false;

//

// seat\_R6\_C10

//

this.seat\_R6\_C10.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R6\_C10.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R6\_C10.Location = new System.Drawing.Point(599, 225);

this.seat\_R6\_C10.Name = "seat\_R6\_C10";

this.seat\_R6\_C10.Size = new System.Drawing.Size(64, 36);

this.seat\_R6\_C10.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R6\_C10.TabIndex = 71;

this.seat\_R6\_C10.TabStop = false;

//

// seat\_R6\_C9

//

this.seat\_R6\_C9.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R6\_C9.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R6\_C9.Location = new System.Drawing.Point(533, 225);

this.seat\_R6\_C9.Name = "seat\_R6\_C9";

this.seat\_R6\_C9.Size = new System.Drawing.Size(58, 36);

this.seat\_R6\_C9.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R6\_C9.TabIndex = 70;

this.seat\_R6\_C9.TabStop = false;

//

// seat\_R6\_C8

//

this.seat\_R6\_C8.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R6\_C8.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R6\_C8.Location = new System.Drawing.Point(467, 225);

this.seat\_R6\_C8.Name = "seat\_R6\_C8";

this.seat\_R6\_C8.Size = new System.Drawing.Size(58, 36);

this.seat\_R6\_C8.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R6\_C8.TabIndex = 69;

this.seat\_R6\_C8.TabStop = false;

//

// seat\_R6\_C7

//

this.seat\_R6\_C7.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R6\_C7.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R6\_C7.Location = new System.Drawing.Point(401, 225);

this.seat\_R6\_C7.Name = "seat\_R6\_C7";

this.seat\_R6\_C7.Size = new System.Drawing.Size(58, 36);

this.seat\_R6\_C7.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R6\_C7.TabIndex = 68;

this.seat\_R6\_C7.TabStop = false;

//

// seat\_R6\_C6

//

this.seat\_R6\_C6.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R6\_C6.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R6\_C6.Location = new System.Drawing.Point(335, 225);

this.seat\_R6\_C6.Name = "seat\_R6\_C6";

this.seat\_R6\_C6.Size = new System.Drawing.Size(58, 36);

this.seat\_R6\_C6.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R6\_C6.TabIndex = 67;

this.seat\_R6\_C6.TabStop = false;

//

// seat\_R6\_C5

//

this.seat\_R6\_C5.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R6\_C5.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R6\_C5.Location = new System.Drawing.Point(269, 225);

this.seat\_R6\_C5.Name = "seat\_R6\_C5";

this.seat\_R6\_C5.Size = new System.Drawing.Size(58, 36);

this.seat\_R6\_C5.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R6\_C5.TabIndex = 66;

this.seat\_R6\_C5.TabStop = false;

//

// seat\_R6\_C4

//

this.seat\_R6\_C4.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R6\_C4.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R6\_C4.Location = new System.Drawing.Point(203, 225);

this.seat\_R6\_C4.Name = "seat\_R6\_C4";

this.seat\_R6\_C4.Size = new System.Drawing.Size(58, 36);

this.seat\_R6\_C4.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R6\_C4.TabIndex = 65;

this.seat\_R6\_C4.TabStop = false;

//

// seat\_R6\_C3

//

this.seat\_R6\_C3.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R6\_C3.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R6\_C3.Location = new System.Drawing.Point(137, 225);

this.seat\_R6\_C3.Name = "seat\_R6\_C3";

this.seat\_R6\_C3.Size = new System.Drawing.Size(58, 36);

this.seat\_R6\_C3.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R6\_C3.TabIndex = 64;

this.seat\_R6\_C3.TabStop = false;

//

// seat\_R6\_C2

//

this.seat\_R6\_C2.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R6\_C2.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R6\_C2.Location = new System.Drawing.Point(71, 225);

this.seat\_R6\_C2.Name = "seat\_R6\_C2";

this.seat\_R6\_C2.Size = new System.Drawing.Size(58, 36);

this.seat\_R6\_C2.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R6\_C2.TabIndex = 63;

this.seat\_R6\_C2.TabStop = false;

//

// seat\_R6\_C1

//

this.seat\_R6\_C1.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R6\_C1.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R6\_C1.Location = new System.Drawing.Point(5, 225);

this.seat\_R6\_C1.Name = "seat\_R6\_C1";

this.seat\_R6\_C1.Size = new System.Drawing.Size(58, 36);

this.seat\_R6\_C1.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R6\_C1.TabIndex = 62;

this.seat\_R6\_C1.TabStop = false;

//

// seat\_R5\_C10

//

this.seat\_R5\_C10.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R5\_C10.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R5\_C10.Location = new System.Drawing.Point(599, 181);

this.seat\_R5\_C10.Name = "seat\_R5\_C10";

this.seat\_R5\_C10.Size = new System.Drawing.Size(64, 36);

this.seat\_R5\_C10.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R5\_C10.TabIndex = 61;

this.seat\_R5\_C10.TabStop = false;

//

// seat\_R5\_C9

//

this.seat\_R5\_C9.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R5\_C9.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R5\_C9.Location = new System.Drawing.Point(533, 181);

this.seat\_R5\_C9.Name = "seat\_R5\_C9";

this.seat\_R5\_C9.Size = new System.Drawing.Size(58, 36);

this.seat\_R5\_C9.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R5\_C9.TabIndex = 60;

this.seat\_R5\_C9.TabStop = false;

//

// seat\_R5\_C8

//

this.seat\_R5\_C8.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R5\_C8.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R5\_C8.Location = new System.Drawing.Point(467, 181);

this.seat\_R5\_C8.Name = "seat\_R5\_C8";

this.seat\_R5\_C8.Size = new System.Drawing.Size(58, 36);

this.seat\_R5\_C8.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R5\_C8.TabIndex = 59;

this.seat\_R5\_C8.TabStop = false;

//

// seat\_R5\_C7

//

this.seat\_R5\_C7.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R5\_C7.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R5\_C7.Location = new System.Drawing.Point(401, 181);

this.seat\_R5\_C7.Name = "seat\_R5\_C7";

this.seat\_R5\_C7.Size = new System.Drawing.Size(58, 36);

this.seat\_R5\_C7.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R5\_C7.TabIndex = 58;

this.seat\_R5\_C7.TabStop = false;

//

// seat\_R5\_C6

//

this.seat\_R5\_C6.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R5\_C6.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R5\_C6.Location = new System.Drawing.Point(335, 181);

this.seat\_R5\_C6.Name = "seat\_R5\_C6";

this.seat\_R5\_C6.Size = new System.Drawing.Size(58, 36);

this.seat\_R5\_C6.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R5\_C6.TabIndex = 57;

this.seat\_R5\_C6.TabStop = false;

//

// seat\_R5\_C5

//

this.seat\_R5\_C5.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R5\_C5.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R5\_C5.Location = new System.Drawing.Point(269, 181);

this.seat\_R5\_C5.Name = "seat\_R5\_C5";

this.seat\_R5\_C5.Size = new System.Drawing.Size(58, 36);

this.seat\_R5\_C5.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R5\_C5.TabIndex = 56;

this.seat\_R5\_C5.TabStop = false;

//

// seat\_R5\_C4

//

this.seat\_R5\_C4.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R5\_C4.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R5\_C4.Location = new System.Drawing.Point(203, 181);

this.seat\_R5\_C4.Name = "seat\_R5\_C4";

this.seat\_R5\_C4.Size = new System.Drawing.Size(58, 36);

this.seat\_R5\_C4.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R5\_C4.TabIndex = 55;

this.seat\_R5\_C4.TabStop = false;

//

// seat\_R5\_C3

//

this.seat\_R5\_C3.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R5\_C3.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R5\_C3.Location = new System.Drawing.Point(137, 181);

this.seat\_R5\_C3.Name = "seat\_R5\_C3";

this.seat\_R5\_C3.Size = new System.Drawing.Size(58, 36);

this.seat\_R5\_C3.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R5\_C3.TabIndex = 54;

this.seat\_R5\_C3.TabStop = false;

//

// seat\_R5\_C2

//

this.seat\_R5\_C2.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R5\_C2.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R5\_C2.Location = new System.Drawing.Point(71, 181);

this.seat\_R5\_C2.Name = "seat\_R5\_C2";

this.seat\_R5\_C2.Size = new System.Drawing.Size(58, 36);

this.seat\_R5\_C2.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R5\_C2.TabIndex = 53;

this.seat\_R5\_C2.TabStop = false;

//

// seat\_R5\_C1

//

this.seat\_R5\_C1.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R5\_C1.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R5\_C1.Location = new System.Drawing.Point(5, 181);

this.seat\_R5\_C1.Name = "seat\_R5\_C1";

this.seat\_R5\_C1.Size = new System.Drawing.Size(58, 36);

this.seat\_R5\_C1.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R5\_C1.TabIndex = 52;

this.seat\_R5\_C1.TabStop = false;

//

// seat\_R4\_C10

//

this.seat\_R4\_C10.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R4\_C10.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R4\_C10.Location = new System.Drawing.Point(599, 137);

this.seat\_R4\_C10.Name = "seat\_R4\_C10";

this.seat\_R4\_C10.Size = new System.Drawing.Size(64, 36);

this.seat\_R4\_C10.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R4\_C10.TabIndex = 51;

this.seat\_R4\_C10.TabStop = false;

//

// seat\_R4\_C9

//

this.seat\_R4\_C9.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R4\_C9.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R4\_C9.Location = new System.Drawing.Point(533, 137);

this.seat\_R4\_C9.Name = "seat\_R4\_C9";

this.seat\_R4\_C9.Size = new System.Drawing.Size(58, 36);

this.seat\_R4\_C9.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R4\_C9.TabIndex = 50;

this.seat\_R4\_C9.TabStop = false;

//

// seat\_R4\_C8

//

this.seat\_R4\_C8.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R4\_C8.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R4\_C8.Location = new System.Drawing.Point(467, 137);

this.seat\_R4\_C8.Name = "seat\_R4\_C8";

this.seat\_R4\_C8.Size = new System.Drawing.Size(58, 36);

this.seat\_R4\_C8.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R4\_C8.TabIndex = 49;

this.seat\_R4\_C8.TabStop = false;

//

// seat\_R4\_C7

//

this.seat\_R4\_C7.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R4\_C7.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R4\_C7.Location = new System.Drawing.Point(401, 137);

this.seat\_R4\_C7.Name = "seat\_R4\_C7";

this.seat\_R4\_C7.Size = new System.Drawing.Size(58, 36);

this.seat\_R4\_C7.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R4\_C7.TabIndex = 48;

this.seat\_R4\_C7.TabStop = false;

//

// seat\_R4\_C6

//

this.seat\_R4\_C6.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R4\_C6.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R4\_C6.Location = new System.Drawing.Point(335, 137);

this.seat\_R4\_C6.Name = "seat\_R4\_C6";

this.seat\_R4\_C6.Size = new System.Drawing.Size(58, 36);

this.seat\_R4\_C6.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R4\_C6.TabIndex = 47;

this.seat\_R4\_C6.TabStop = false;

//

// seat\_R4\_C5

//

this.seat\_R4\_C5.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R4\_C5.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R4\_C5.Location = new System.Drawing.Point(269, 137);

this.seat\_R4\_C5.Name = "seat\_R4\_C5";

this.seat\_R4\_C5.Size = new System.Drawing.Size(58, 36);

this.seat\_R4\_C5.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R4\_C5.TabIndex = 46;

this.seat\_R4\_C5.TabStop = false;

//

// seat\_R4\_C4

//

this.seat\_R4\_C4.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R4\_C4.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R4\_C4.Location = new System.Drawing.Point(203, 137);

this.seat\_R4\_C4.Name = "seat\_R4\_C4";

this.seat\_R4\_C4.Size = new System.Drawing.Size(58, 36);

this.seat\_R4\_C4.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R4\_C4.TabIndex = 45;

this.seat\_R4\_C4.TabStop = false;

//

// seat\_R4\_C3

//

this.seat\_R4\_C3.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R4\_C3.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R4\_C3.Location = new System.Drawing.Point(137, 137);

this.seat\_R4\_C3.Name = "seat\_R4\_C3";

this.seat\_R4\_C3.Size = new System.Drawing.Size(58, 36);

this.seat\_R4\_C3.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R4\_C3.TabIndex = 44;

this.seat\_R4\_C3.TabStop = false;

//

// seat\_R4\_C2

//

this.seat\_R4\_C2.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R4\_C2.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R4\_C2.Location = new System.Drawing.Point(71, 137);

this.seat\_R4\_C2.Name = "seat\_R4\_C2";

this.seat\_R4\_C2.Size = new System.Drawing.Size(58, 36);

this.seat\_R4\_C2.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R4\_C2.TabIndex = 43;

this.seat\_R4\_C2.TabStop = false;

//

// seat\_R4\_C1

//

this.seat\_R4\_C1.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R4\_C1.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R4\_C1.Location = new System.Drawing.Point(5, 137);

this.seat\_R4\_C1.Name = "seat\_R4\_C1";

this.seat\_R4\_C1.Size = new System.Drawing.Size(58, 36);

this.seat\_R4\_C1.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R4\_C1.TabIndex = 42;

this.seat\_R4\_C1.TabStop = false;

//

// seat\_R3\_C10

//

this.seat\_R3\_C10.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R3\_C10.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R3\_C10.Location = new System.Drawing.Point(599, 93);

this.seat\_R3\_C10.Name = "seat\_R3\_C10";

this.seat\_R3\_C10.Size = new System.Drawing.Size(64, 36);

this.seat\_R3\_C10.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R3\_C10.TabIndex = 41;

this.seat\_R3\_C10.TabStop = false;

//

// seat\_R3\_C9

//

this.seat\_R3\_C9.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R3\_C9.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R3\_C9.Location = new System.Drawing.Point(533, 93);

this.seat\_R3\_C9.Name = "seat\_R3\_C9";

this.seat\_R3\_C9.Size = new System.Drawing.Size(58, 36);

this.seat\_R3\_C9.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R3\_C9.TabIndex = 40;

this.seat\_R3\_C9.TabStop = false;

//

// seat\_R3\_C8

//

this.seat\_R3\_C8.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R3\_C8.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R3\_C8.Location = new System.Drawing.Point(467, 93);

this.seat\_R3\_C8.Name = "seat\_R3\_C8";

this.seat\_R3\_C8.Size = new System.Drawing.Size(58, 36);

this.seat\_R3\_C8.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R3\_C8.TabIndex = 39;

this.seat\_R3\_C8.TabStop = false;

//

// seat\_R3\_C7

//

this.seat\_R3\_C7.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R3\_C7.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R3\_C7.Location = new System.Drawing.Point(401, 93);

this.seat\_R3\_C7.Name = "seat\_R3\_C7";

this.seat\_R3\_C7.Size = new System.Drawing.Size(58, 36);

this.seat\_R3\_C7.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R3\_C7.TabIndex = 38;

this.seat\_R3\_C7.TabStop = false;

//

// seat\_R3\_C6

//

this.seat\_R3\_C6.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R3\_C6.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R3\_C6.Location = new System.Drawing.Point(335, 93);

this.seat\_R3\_C6.Name = "seat\_R3\_C6";

this.seat\_R3\_C6.Size = new System.Drawing.Size(58, 36);

this.seat\_R3\_C6.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R3\_C6.TabIndex = 37;

this.seat\_R3\_C6.TabStop = false;

//

// seat\_R3\_C5

//

this.seat\_R3\_C5.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R3\_C5.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R3\_C5.Location = new System.Drawing.Point(269, 93);

this.seat\_R3\_C5.Name = "seat\_R3\_C5";

this.seat\_R3\_C5.Size = new System.Drawing.Size(58, 36);

this.seat\_R3\_C5.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R3\_C5.TabIndex = 36;

this.seat\_R3\_C5.TabStop = false;

//

// seat\_R3\_C4

//

this.seat\_R3\_C4.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R3\_C4.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R3\_C4.Location = new System.Drawing.Point(203, 93);

this.seat\_R3\_C4.Name = "seat\_R3\_C4";

this.seat\_R3\_C4.Size = new System.Drawing.Size(58, 36);

this.seat\_R3\_C4.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R3\_C4.TabIndex = 35;

this.seat\_R3\_C4.TabStop = false;

//

// seat\_R3\_C3

//

this.seat\_R3\_C3.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R3\_C3.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R3\_C3.Location = new System.Drawing.Point(137, 93);

this.seat\_R3\_C3.Name = "seat\_R3\_C3";

this.seat\_R3\_C3.Size = new System.Drawing.Size(58, 36);

this.seat\_R3\_C3.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R3\_C3.TabIndex = 34;

this.seat\_R3\_C3.TabStop = false;

//

// seat\_R3\_C2

//

this.seat\_R3\_C2.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R3\_C2.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R3\_C2.Location = new System.Drawing.Point(71, 93);

this.seat\_R3\_C2.Name = "seat\_R3\_C2";

this.seat\_R3\_C2.Size = new System.Drawing.Size(58, 36);

this.seat\_R3\_C2.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R3\_C2.TabIndex = 33;

this.seat\_R3\_C2.TabStop = false;

//

// seat\_R3\_C1

//

this.seat\_R3\_C1.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R3\_C1.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R3\_C1.Location = new System.Drawing.Point(5, 93);

this.seat\_R3\_C1.Name = "seat\_R3\_C1";

this.seat\_R3\_C1.Size = new System.Drawing.Size(58, 36);

this.seat\_R3\_C1.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R3\_C1.TabIndex = 32;

this.seat\_R3\_C1.TabStop = false;

//

// seat\_R2\_C10

//

this.seat\_R2\_C10.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R2\_C10.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R2\_C10.Location = new System.Drawing.Point(599, 49);

this.seat\_R2\_C10.Name = "seat\_R2\_C10";

this.seat\_R2\_C10.Size = new System.Drawing.Size(64, 36);

this.seat\_R2\_C10.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R2\_C10.TabIndex = 31;

this.seat\_R2\_C10.TabStop = false;

//

// seat\_R2\_C9

//

this.seat\_R2\_C9.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R2\_C9.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R2\_C9.Location = new System.Drawing.Point(533, 49);

this.seat\_R2\_C9.Name = "seat\_R2\_C9";

this.seat\_R2\_C9.Size = new System.Drawing.Size(58, 36);

this.seat\_R2\_C9.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R2\_C9.TabIndex = 30;

this.seat\_R2\_C9.TabStop = false;

//

// seat\_R2\_C8

//

this.seat\_R2\_C8.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R2\_C8.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R2\_C8.Location = new System.Drawing.Point(467, 49);

this.seat\_R2\_C8.Name = "seat\_R2\_C8";

this.seat\_R2\_C8.Size = new System.Drawing.Size(58, 36);

this.seat\_R2\_C8.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R2\_C8.TabIndex = 29;

this.seat\_R2\_C8.TabStop = false;

//

// seat\_R2\_C7

//

this.seat\_R2\_C7.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R2\_C7.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R2\_C7.Location = new System.Drawing.Point(401, 49);

this.seat\_R2\_C7.Name = "seat\_R2\_C7";

this.seat\_R2\_C7.Size = new System.Drawing.Size(58, 36);

this.seat\_R2\_C7.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R2\_C7.TabIndex = 28;

this.seat\_R2\_C7.TabStop = false;

//

// seat\_R2\_C6

//

this.seat\_R2\_C6.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R2\_C6.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R2\_C6.Location = new System.Drawing.Point(335, 49);

this.seat\_R2\_C6.Name = "seat\_R2\_C6";

this.seat\_R2\_C6.Size = new System.Drawing.Size(58, 36);

this.seat\_R2\_C6.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R2\_C6.TabIndex = 27;

this.seat\_R2\_C6.TabStop = false;

//

// seat\_R2\_C5

//

this.seat\_R2\_C5.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R2\_C5.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R2\_C5.Location = new System.Drawing.Point(269, 49);

this.seat\_R2\_C5.Name = "seat\_R2\_C5";

this.seat\_R2\_C5.Size = new System.Drawing.Size(58, 36);

this.seat\_R2\_C5.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R2\_C5.TabIndex = 26;

this.seat\_R2\_C5.TabStop = false;

//

// seat\_R2\_C4

//

this.seat\_R2\_C4.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R2\_C4.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R2\_C4.Location = new System.Drawing.Point(203, 49);

this.seat\_R2\_C4.Name = "seat\_R2\_C4";

this.seat\_R2\_C4.Size = new System.Drawing.Size(58, 36);

this.seat\_R2\_C4.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R2\_C4.TabIndex = 25;

this.seat\_R2\_C4.TabStop = false;

//

// seat\_R2\_C3

//

this.seat\_R2\_C3.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R2\_C3.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R2\_C3.Location = new System.Drawing.Point(137, 49);

this.seat\_R2\_C3.Name = "seat\_R2\_C3";

this.seat\_R2\_C3.Size = new System.Drawing.Size(58, 36);

this.seat\_R2\_C3.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R2\_C3.TabIndex = 24;

this.seat\_R2\_C3.TabStop = false;

//

// seat\_R2\_C2

//

this.seat\_R2\_C2.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R2\_C2.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R2\_C2.Location = new System.Drawing.Point(71, 49);

this.seat\_R2\_C2.Name = "seat\_R2\_C2";

this.seat\_R2\_C2.Size = new System.Drawing.Size(58, 36);

this.seat\_R2\_C2.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R2\_C2.TabIndex = 23;

this.seat\_R2\_C2.TabStop = false;

//

// seat\_R2\_C1

//

this.seat\_R2\_C1.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R2\_C1.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R2\_C1.Location = new System.Drawing.Point(5, 49);

this.seat\_R2\_C1.Name = "seat\_R2\_C1";

this.seat\_R2\_C1.Size = new System.Drawing.Size(58, 36);

this.seat\_R2\_C1.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R2\_C1.TabIndex = 22;

this.seat\_R2\_C1.TabStop = false;

//

// seat\_R1\_C10

//

this.seat\_R1\_C10.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R1\_C10.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R1\_C10.Location = new System.Drawing.Point(599, 5);

this.seat\_R1\_C10.Name = "seat\_R1\_C10";

this.seat\_R1\_C10.Size = new System.Drawing.Size(64, 36);

this.seat\_R1\_C10.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R1\_C10.TabIndex = 21;

this.seat\_R1\_C10.TabStop = false;

//

// seat\_R1\_C9

//

this.seat\_R1\_C9.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R1\_C9.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R1\_C9.Location = new System.Drawing.Point(533, 5);

this.seat\_R1\_C9.Name = "seat\_R1\_C9";

this.seat\_R1\_C9.Size = new System.Drawing.Size(58, 36);

this.seat\_R1\_C9.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R1\_C9.TabIndex = 20;

this.seat\_R1\_C9.TabStop = false;

//

// seat\_R1\_C2

//

this.seat\_R1\_C2.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R1\_C2.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R1\_C2.Location = new System.Drawing.Point(71, 5);

this.seat\_R1\_C2.Name = "seat\_R1\_C2";

this.seat\_R1\_C2.Size = new System.Drawing.Size(58, 36);

this.seat\_R1\_C2.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R1\_C2.TabIndex = 19;

this.seat\_R1\_C2.TabStop = false;

//

// seat\_R1\_C1

//

this.seat\_R1\_C1.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R1\_C1.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R1\_C1.Location = new System.Drawing.Point(5, 5);

this.seat\_R1\_C1.Name = "seat\_R1\_C1";

this.seat\_R1\_C1.Size = new System.Drawing.Size(58, 36);

this.seat\_R1\_C1.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R1\_C1.TabIndex = 18;

this.seat\_R1\_C1.TabStop = false;

//

// seat\_R10\_C10

//

this.seat\_R10\_C10.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R10\_C10.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

this.seat\_R10\_C10.Location = new System.Drawing.Point(599, 401);

this.seat\_R10\_C10.Name = "seat\_R10\_C10";

this.seat\_R10\_C10.Size = new System.Drawing.Size(64, 36);

this.seat\_R10\_C10.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R10\_C10.TabIndex = 17;

this.seat\_R10\_C10.TabStop = false;

//

// seat\_R10\_C9

//

this.seat\_R10\_C9.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R10\_C9.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

this.seat\_R10\_C9.Location = new System.Drawing.Point(533, 401);

this.seat\_R10\_C9.Name = "seat\_R10\_C9";

this.seat\_R10\_C9.Size = new System.Drawing.Size(58, 36);

this.seat\_R10\_C9.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R10\_C9.TabIndex = 16;

this.seat\_R10\_C9.TabStop = false;

//

// seat\_R10\_C3

//

this.seat\_R10\_C3.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R10\_C3.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

this.seat\_R10\_C3.Location = new System.Drawing.Point(137, 401);

this.seat\_R10\_C3.Name = "seat\_R10\_C3";

this.seat\_R10\_C3.Size = new System.Drawing.Size(58, 36);

this.seat\_R10\_C3.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R10\_C3.TabIndex = 15;

this.seat\_R10\_C3.TabStop = false;

//

// seat\_R10\_C2

//

this.seat\_R10\_C2.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R10\_C2.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

this.seat\_R10\_C2.Location = new System.Drawing.Point(71, 401);

this.seat\_R10\_C2.Name = "seat\_R10\_C2";

this.seat\_R10\_C2.Size = new System.Drawing.Size(58, 36);

this.seat\_R10\_C2.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R10\_C2.TabIndex = 14;

this.seat\_R10\_C2.TabStop = false;

//

// seat\_R10\_C1

//

this.seat\_R10\_C1.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R10\_C1.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

this.seat\_R10\_C1.Location = new System.Drawing.Point(5, 401);

this.seat\_R10\_C1.Name = "seat\_R10\_C1";

this.seat\_R10\_C1.Size = new System.Drawing.Size(58, 36);

this.seat\_R10\_C1.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R10\_C1.TabIndex = 13;

this.seat\_R10\_C1.TabStop = false;

//

// seat\_R10\_C6

//

this.seat\_R10\_C6.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R10\_C6.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

this.seat\_R10\_C6.Location = new System.Drawing.Point(335, 401);

this.seat\_R10\_C6.Name = "seat\_R10\_C6";

this.seat\_R10\_C6.Size = new System.Drawing.Size(58, 36);

this.seat\_R10\_C6.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R10\_C6.TabIndex = 12;

this.seat\_R10\_C6.TabStop = false;

//

// seat\_R10\_C5

//

this.seat\_R10\_C5.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R10\_C5.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

this.seat\_R10\_C5.Location = new System.Drawing.Point(269, 401);

this.seat\_R10\_C5.Name = "seat\_R10\_C5";

this.seat\_R10\_C5.Size = new System.Drawing.Size(58, 36);

this.seat\_R10\_C5.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R10\_C5.TabIndex = 11;

this.seat\_R10\_C5.TabStop = false;

//

// seat\_R10\_C4

//

this.seat\_R10\_C4.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R10\_C4.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

this.seat\_R10\_C4.Location = new System.Drawing.Point(203, 401);

this.seat\_R10\_C4.Name = "seat\_R10\_C4";

this.seat\_R10\_C4.Size = new System.Drawing.Size(58, 36);

this.seat\_R10\_C4.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R10\_C4.TabIndex = 10;

this.seat\_R10\_C4.TabStop = false;

//

// seat\_R10\_C8

//

this.seat\_R10\_C8.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R10\_C8.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

this.seat\_R10\_C8.Location = new System.Drawing.Point(467, 401);

this.seat\_R10\_C8.Name = "seat\_R10\_C8";

this.seat\_R10\_C8.Size = new System.Drawing.Size(58, 36);

this.seat\_R10\_C8.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R10\_C8.TabIndex = 9;

this.seat\_R10\_C8.TabStop = false;

//

// seat\_R10\_C7

//

this.seat\_R10\_C7.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R10\_C7.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

this.seat\_R10\_C7.Location = new System.Drawing.Point(401, 401);

this.seat\_R10\_C7.Name = "seat\_R10\_C7";

this.seat\_R10\_C7.Size = new System.Drawing.Size(58, 36);

this.seat\_R10\_C7.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R10\_C7.TabIndex = 8;

this.seat\_R10\_C7.TabStop = false;

//

// seat\_R1\_C8

//

this.seat\_R1\_C8.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R1\_C8.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R1\_C8.Location = new System.Drawing.Point(467, 5);

this.seat\_R1\_C8.Name = "seat\_R1\_C8";

this.seat\_R1\_C8.Size = new System.Drawing.Size(58, 36);

this.seat\_R1\_C8.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R1\_C8.TabIndex = 7;

this.seat\_R1\_C8.TabStop = false;

//

// seat\_R1\_C7

//

this.seat\_R1\_C7.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R1\_C7.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R1\_C7.Location = new System.Drawing.Point(401, 5);

this.seat\_R1\_C7.Name = "seat\_R1\_C7";

this.seat\_R1\_C7.Size = new System.Drawing.Size(58, 36);

this.seat\_R1\_C7.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R1\_C7.TabIndex = 6;

this.seat\_R1\_C7.TabStop = false;

//

// seat\_R1\_C6

//

this.seat\_R1\_C6.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R1\_C6.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R1\_C6.Location = new System.Drawing.Point(335, 5);

this.seat\_R1\_C6.Name = "seat\_R1\_C6";

this.seat\_R1\_C6.Size = new System.Drawing.Size(58, 36);

this.seat\_R1\_C6.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R1\_C6.TabIndex = 5;

this.seat\_R1\_C6.TabStop = false;

//

// seat\_R1\_C5

//

this.seat\_R1\_C5.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R1\_C5.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R1\_C5.Location = new System.Drawing.Point(269, 5);

this.seat\_R1\_C5.Name = "seat\_R1\_C5";

this.seat\_R1\_C5.Size = new System.Drawing.Size(58, 36);

this.seat\_R1\_C5.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R1\_C5.TabIndex = 4;

this.seat\_R1\_C5.TabStop = false;

//

// seat\_R1\_C3

//

this.seat\_R1\_C3.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R1\_C3.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R1\_C3.Location = new System.Drawing.Point(137, 5);

this.seat\_R1\_C3.Name = "seat\_R1\_C3";

this.seat\_R1\_C3.Size = new System.Drawing.Size(58, 36);

this.seat\_R1\_C3.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R1\_C3.TabIndex = 2;

this.seat\_R1\_C3.TabStop = false;

//

// seat\_R1\_C4

//

this.seat\_R1\_C4.Dock = System.Windows.Forms.DockStyle.Fill;

this.seat\_R1\_C4.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

this.seat\_R1\_C4.Location = new System.Drawing.Point(203, 5);

this.seat\_R1\_C4.Name = "seat\_R1\_C4";

this.seat\_R1\_C4.Size = new System.Drawing.Size(58, 36);

this.seat\_R1\_C4.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;

this.seat\_R1\_C4.TabIndex = 3;

this.seat\_R1\_C4.TabStop = false;

//

// checkoutOptionsGroupBox

//

this.checkoutOptionsGroupBox.BackColor = System.Drawing.Color.SeaShell;

this.checkoutOptionsGroupBox.Controls.Add(this.cancelButton);

this.checkoutOptionsGroupBox.Controls.Add(this.proceedToCheckoutButton);

this.checkoutOptionsGroupBox.Controls.Add(this.tb\_SelectedSeatCount);

this.checkoutOptionsGroupBox.Controls.Add(this.lbl\_SelectedCount);

this.checkoutOptionsGroupBox.Dock = System.Windows.Forms.DockStyle.Fill;

this.checkoutOptionsGroupBox.Location = new System.Drawing.Point(0, 0);

this.checkoutOptionsGroupBox.Name = "checkoutOptionsGroupBox";

this.checkoutOptionsGroupBox.Size = new System.Drawing.Size(668, 73);

this.checkoutOptionsGroupBox.TabIndex = 2;

this.checkoutOptionsGroupBox.TabStop = false;

this.checkoutOptionsGroupBox.Text = "Checkout Options";

//

// cancelButton

//

this.cancelButton.CausesValidation = false;

this.cancelButton.Location = new System.Drawing.Point(585, 37);

this.cancelButton.Name = "cancelButton";

this.cancelButton.Size = new System.Drawing.Size(75, 23);

this.cancelButton.TabIndex = 8;

this.cancelButton.Text = "Cancel";

this.cancelButton.UseVisualStyleBackColor = true;

this.cancelButton.Click += new System.EventHandler(this.cancelButton\_Click);

//

// proceedToCheckoutButton

//

this.proceedToCheckoutButton.CausesValidation = false;

this.proceedToCheckoutButton.Location = new System.Drawing.Point(444, 37);

this.proceedToCheckoutButton.Name = "proceedToCheckoutButton";

this.proceedToCheckoutButton.Size = new System.Drawing.Size(126, 23);

this.proceedToCheckoutButton.TabIndex = 7;

this.proceedToCheckoutButton.Text = "Proceed To Checkout";

this.proceedToCheckoutButton.UseVisualStyleBackColor = true;

this.proceedToCheckoutButton.Click += new System.EventHandler(this.proceedToCheckoutButton\_Click);

//

// tb\_SelectedSeatCount

//

this.tb\_SelectedSeatCount.CausesValidation = false;

this.tb\_SelectedSeatCount.Enabled = false;

this.tb\_SelectedSeatCount.Location = new System.Drawing.Point(176, 37);

this.tb\_SelectedSeatCount.Name = "tb\_SelectedSeatCount";

this.tb\_SelectedSeatCount.Size = new System.Drawing.Size(57, 20);

this.tb\_SelectedSeatCount.TabIndex = 1;

this.tb\_SelectedSeatCount.TabStop = false;

this.tb\_SelectedSeatCount.Text = "2";

this.tb\_SelectedSeatCount.TextAlign = System.Windows.Forms.HorizontalAlignment.Center;

//

// lbl\_SelectedCount

//

this.lbl\_SelectedCount.AutoSize = true;

this.lbl\_SelectedCount.Location = new System.Drawing.Point(36, 41);

this.lbl\_SelectedCount.Name = "lbl\_SelectedCount";

this.lbl\_SelectedCount.Size = new System.Drawing.Size(134, 13);

this.lbl\_SelectedCount.TabIndex = 0;

this.lbl\_SelectedCount.Text = "Number of Seats Selected:";

//

// reportsToolStripMenuItem

//

this.reportsToolStripMenuItem.DropDownItems.AddRange(new System.Windows.Forms.ToolStripItem[] {

this.totalTakingsByPeriodToolStripMenuItem,

this.salesByCashierToolStripMenuItem});

this.reportsToolStripMenuItem.Name = "reportsToolStripMenuItem";

this.reportsToolStripMenuItem.Size = new System.Drawing.Size(59, 19);

this.reportsToolStripMenuItem.Text = "Reports";

//

// totalTakingsByPeriodToolStripMenuItem

//

this.totalTakingsByPeriodToolStripMenuItem.Name = "totalTakingsByPeriodToolStripMenuItem";

this.totalTakingsByPeriodToolStripMenuItem.Size = new System.Drawing.Size(183, 22);

this.totalTakingsByPeriodToolStripMenuItem.Text = "Total Sales by Period";

this.totalTakingsByPeriodToolStripMenuItem.Click += new System.EventHandler(this.totalTakingsByPeriodToolStripMenuItem\_Click);

//

// salesByCashierToolStripMenuItem

//

this.salesByCashierToolStripMenuItem.Name = "salesByCashierToolStripMenuItem";

this.salesByCashierToolStripMenuItem.Size = new System.Drawing.Size(183, 22);

this.salesByCashierToolStripMenuItem.Text = "Sales by Cashier";

this.salesByCashierToolStripMenuItem.Click += new System.EventHandler(this.salesByCashierToolStripMenuItem\_Click);

//

// logoutToolStripMenuItem

//

this.logoutToolStripMenuItem.Name = "logoutToolStripMenuItem";

this.logoutToolStripMenuItem.Size = new System.Drawing.Size(57, 19);

this.logoutToolStripMenuItem.Text = "Logout";

this.logoutToolStripMenuItem.Click += new System.EventHandler(this.logoutToolStripMenuItem\_Click);

//

// menuStrip

//

this.menuStrip.Items.AddRange(new System.Windows.Forms.ToolStripItem[] {

this.reportsToolStripMenuItem,

this.logoutToolStripMenuItem});

this.menuStrip.Location = new System.Drawing.Point(5, 5);

this.menuStrip.Name = "menuStrip";

this.menuStrip.Padding = new System.Windows.Forms.Padding(5, 10, 5, 5);

this.menuStrip.RenderMode = System.Windows.Forms.ToolStripRenderMode.Professional;

this.menuStrip.Size = new System.Drawing.Size(885, 34);

this.menuStrip.TabIndex = 0;

this.menuStrip.Text = "MenuStrip";

//

// lbl\_LoggedInUser

//

this.lbl\_LoggedInUser.BackColor = System.Drawing.SystemColors.HighlightText;

this.lbl\_LoggedInUser.CausesValidation = false;

this.lbl\_LoggedInUser.Location = new System.Drawing.Point(656, 17);

this.lbl\_LoggedInUser.Name = "lbl\_LoggedInUser";

this.lbl\_LoggedInUser.RightToLeft = System.Windows.Forms.RightToLeft.Yes;

this.lbl\_LoggedInUser.Size = new System.Drawing.Size(231, 19);

this.lbl\_LoggedInUser.TabIndex = 6;

this.lbl\_LoggedInUser.Text = "Joe Bloggs";

//

// MDICinemaBookingSystem

//

this.AutoScaleDimensions = new System.Drawing.SizeF(6F, 13F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.CausesValidation = false;

this.ClientSize = new System.Drawing.Size(895, 663);

this.Controls.Add(this.lbl\_LoggedInUser);

this.Controls.Add(this.splitContainer1);

this.Controls.Add(this.statusStrip);

this.Controls.Add(this.menuStrip);

this.FormBorderStyle = System.Windows.Forms.FormBorderStyle.Fixed3D;

this.IsMdiContainer = true;

this.MainMenuStrip = this.menuStrip;

this.Name = "MDICinemaBookingSystem";

this.Padding = new System.Windows.Forms.Padding(5);

this.SizeGripStyle = System.Windows.Forms.SizeGripStyle.Hide;

this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;

this.Text = "Cinema Booking System";

this.Load += new System.EventHandler(this.MDICinemaBookingSystem\_Load);

this.statusStrip.ResumeLayout(false);

this.statusStrip.PerformLayout();

this.splitContainer1.Panel1.ResumeLayout(false);

this.splitContainer1.Panel2.ResumeLayout(false);

((System.ComponentModel.ISupportInitialize)(this.splitContainer1)).EndInit();

this.splitContainer1.ResumeLayout(false);

this.grpb\_SearchCriteria.ResumeLayout(false);

this.searchLayoutPanel.ResumeLayout(false);

this.searchLayoutPanel.PerformLayout();

this.flowLayoutPanel1.ResumeLayout(false);

this.tc\_ScreeningRoom.ResumeLayout(false);

this.tpScreeningRoom.ResumeLayout(false);

this.splitContainer2.Panel1.ResumeLayout(false);

this.splitContainer2.Panel1.PerformLayout();

this.splitContainer2.Panel2.ResumeLayout(false);

((System.ComponentModel.ISupportInitialize)(this.splitContainer2)).EndInit();

this.splitContainer2.ResumeLayout(false);

this.standardTableLayoutPanel.ResumeLayout(false);

((System.ComponentModel.ISupportInitialize)(this.seat\_R11\_C10)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R11\_C9)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R11\_C8)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R11\_C7)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R11\_C6)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R11\_C5)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R11\_C4)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R11\_C3)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R11\_C2)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R11\_C1)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R9\_C10)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R9\_C9)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R9\_C8)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R9\_C7)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R9\_C6)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R9\_C5)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R9\_C4)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R9\_C3)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R9\_C2)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R9\_C1)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R8\_C10)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R8\_C9)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R8\_C8)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R8\_C7)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R8\_C6)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R8\_C5)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R8\_C4)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R8\_C3)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R8\_C2)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R8\_C1)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R7\_C10)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R7\_C9)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R7\_C8)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R7\_C7)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R7\_C6)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R7\_C5)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R7\_C4)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R7\_C3)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R7\_C2)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R7\_C1)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R6\_C10)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R6\_C9)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R6\_C8)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R6\_C7)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R6\_C6)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R6\_C5)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R6\_C4)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R6\_C3)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R6\_C2)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R6\_C1)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R5\_C10)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R5\_C9)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R5\_C8)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R5\_C7)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R5\_C6)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R5\_C5)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R5\_C4)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R5\_C3)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R5\_C2)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R5\_C1)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R4\_C10)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R4\_C9)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R4\_C8)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R4\_C7)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R4\_C6)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R4\_C5)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R4\_C4)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R4\_C3)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R4\_C2)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R4\_C1)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R3\_C10)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R3\_C9)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R3\_C8)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R3\_C7)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R3\_C6)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R3\_C5)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R3\_C4)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R3\_C3)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R3\_C2)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R3\_C1)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R2\_C10)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R2\_C9)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R2\_C8)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R2\_C7)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R2\_C6)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R2\_C5)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R2\_C4)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R2\_C3)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R2\_C2)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R2\_C1)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R1\_C10)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R1\_C9)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R1\_C2)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R1\_C1)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R10\_C10)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R10\_C9)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R10\_C3)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R10\_C2)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R10\_C1)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R10\_C6)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R10\_C5)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R10\_C4)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R10\_C8)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R10\_C7)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R1\_C8)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R1\_C7)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R1\_C6)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R1\_C5)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R1\_C3)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.seat\_R1\_C4)).EndInit();

this.checkoutOptionsGroupBox.ResumeLayout(false);

this.checkoutOptionsGroupBox.PerformLayout();

this.menuStrip.ResumeLayout(false);

this.menuStrip.PerformLayout();

this.ResumeLayout(false);

this.PerformLayout();

}

#endregion

private System.Windows.Forms.StatusStrip statusStrip;

private System.Windows.Forms.ToolStripStatusLabel toolStripStatusLabel;

private System.Windows.Forms.ToolTip toolTip;

private System.Windows.Forms.ToolStripProgressBar toolStripProgressBar1;

private System.Windows.Forms.SplitContainer splitContainer1;

private System.Windows.Forms.GroupBox grpb\_SearchCriteria;

private System.Windows.Forms.FlowLayoutPanel searchLayoutPanel;

private System.Windows.Forms.Label lbl\_FilmTitle;

private System.Windows.Forms.ComboBox lb\_FilmTitle;

private System.Windows.Forms.Label lbl\_ScreeningTimes;

private System.Windows.Forms.TabControl tc\_ScreeningRoom;

private System.Windows.Forms.TabPage tpScreeningRoom;

private System.Windows.Forms.Button searchButton;

private System.Windows.Forms.ToolStripMenuItem reportsToolStripMenuItem;

private System.Windows.Forms.ToolStripMenuItem totalTakingsByPeriodToolStripMenuItem;

private System.Windows.Forms.ToolStripMenuItem salesByCashierToolStripMenuItem;

private System.Windows.Forms.ToolStripMenuItem logoutToolStripMenuItem;

private System.Windows.Forms.MenuStrip menuStrip;

private System.Windows.Forms.GroupBox checkoutOptionsGroupBox;

private System.Windows.Forms.TableLayoutPanel standardTableLayoutPanel;

private System.Windows.Forms.SplitContainer splitContainer2;

private System.Windows.Forms.PictureBox seat\_R1\_C8;

private System.Windows.Forms.PictureBox seat\_R1\_C7;

private System.Windows.Forms.PictureBox seat\_R1\_C6;

private System.Windows.Forms.PictureBox seat\_R1\_C5;

private System.Windows.Forms.PictureBox seat\_R1\_C4;

private System.Windows.Forms.PictureBox seat\_R1\_C3;

private System.Windows.Forms.PictureBox seat\_R10\_C10;

private System.Windows.Forms.PictureBox seat\_R10\_C9;

private System.Windows.Forms.PictureBox seat\_R10\_C3;

private System.Windows.Forms.PictureBox seat\_R10\_C2;

private System.Windows.Forms.PictureBox seat\_R10\_C1;

private System.Windows.Forms.PictureBox seat\_R10\_C6;

private System.Windows.Forms.PictureBox seat\_R10\_C5;

private System.Windows.Forms.PictureBox seat\_R10\_C4;

private System.Windows.Forms.PictureBox seat\_R10\_C8;

private System.Windows.Forms.PictureBox seat\_R10\_C7;

private System.Windows.Forms.PictureBox seat\_R11\_C10;

private System.Windows.Forms.PictureBox seat\_R11\_C9;

private System.Windows.Forms.PictureBox seat\_R11\_C8;

private System.Windows.Forms.PictureBox seat\_R11\_C7;

private System.Windows.Forms.PictureBox seat\_R11\_C6;

private System.Windows.Forms.PictureBox seat\_R11\_C5;

private System.Windows.Forms.PictureBox seat\_R11\_C4;

private System.Windows.Forms.PictureBox seat\_R11\_C3;

private System.Windows.Forms.PictureBox seat\_R11\_C2;

private System.Windows.Forms.PictureBox seat\_R11\_C1;

private System.Windows.Forms.PictureBox seat\_R9\_C10;

private System.Windows.Forms.PictureBox seat\_R9\_C9;

private System.Windows.Forms.PictureBox seat\_R9\_C8;

private System.Windows.Forms.PictureBox seat\_R9\_C7;

private System.Windows.Forms.PictureBox seat\_R9\_C6;

private System.Windows.Forms.PictureBox seat\_R9\_C5;

private System.Windows.Forms.PictureBox seat\_R9\_C4;

private System.Windows.Forms.PictureBox seat\_R9\_C3;

private System.Windows.Forms.PictureBox seat\_R9\_C2;

private System.Windows.Forms.PictureBox seat\_R9\_C1;

private System.Windows.Forms.PictureBox seat\_R8\_C10;

private System.Windows.Forms.PictureBox seat\_R8\_C9;

private System.Windows.Forms.PictureBox seat\_R8\_C8;

private System.Windows.Forms.PictureBox seat\_R8\_C7;

private System.Windows.Forms.PictureBox seat\_R8\_C6;

private System.Windows.Forms.PictureBox seat\_R8\_C5;

private System.Windows.Forms.PictureBox seat\_R8\_C4;

private System.Windows.Forms.PictureBox seat\_R8\_C3;

private System.Windows.Forms.PictureBox seat\_R8\_C2;

private System.Windows.Forms.PictureBox seat\_R8\_C1;

private System.Windows.Forms.PictureBox seat\_R7\_C10;

private System.Windows.Forms.PictureBox seat\_R7\_C9;

private System.Windows.Forms.PictureBox seat\_R7\_C8;

private System.Windows.Forms.PictureBox seat\_R7\_C7;

private System.Windows.Forms.PictureBox seat\_R7\_C6;

private System.Windows.Forms.PictureBox seat\_R7\_C5;

private System.Windows.Forms.PictureBox seat\_R7\_C4;

private System.Windows.Forms.PictureBox seat\_R7\_C3;

private System.Windows.Forms.PictureBox seat\_R7\_C2;

private System.Windows.Forms.PictureBox seat\_R7\_C1;

private System.Windows.Forms.PictureBox seat\_R6\_C10;

private System.Windows.Forms.PictureBox seat\_R6\_C9;

private System.Windows.Forms.PictureBox seat\_R6\_C8;

private System.Windows.Forms.PictureBox seat\_R6\_C7;

private System.Windows.Forms.PictureBox seat\_R6\_C6;

private System.Windows.Forms.PictureBox seat\_R6\_C5;

private System.Windows.Forms.PictureBox seat\_R6\_C4;

private System.Windows.Forms.PictureBox seat\_R6\_C3;

private System.Windows.Forms.PictureBox seat\_R6\_C2;

private System.Windows.Forms.PictureBox seat\_R6\_C1;

private System.Windows.Forms.PictureBox seat\_R5\_C10;

private System.Windows.Forms.PictureBox seat\_R5\_C9;

private System.Windows.Forms.PictureBox seat\_R5\_C8;

private System.Windows.Forms.PictureBox seat\_R5\_C7;

private System.Windows.Forms.PictureBox seat\_R5\_C6;

private System.Windows.Forms.PictureBox seat\_R5\_C5;

private System.Windows.Forms.PictureBox seat\_R5\_C4;

private System.Windows.Forms.PictureBox seat\_R5\_C3;

private System.Windows.Forms.PictureBox seat\_R5\_C2;

private System.Windows.Forms.PictureBox seat\_R5\_C1;

private System.Windows.Forms.PictureBox seat\_R4\_C10;

private System.Windows.Forms.PictureBox seat\_R4\_C9;

private System.Windows.Forms.PictureBox seat\_R4\_C8;

private System.Windows.Forms.PictureBox seat\_R4\_C7;

private System.Windows.Forms.PictureBox seat\_R4\_C6;

private System.Windows.Forms.PictureBox seat\_R4\_C5;

private System.Windows.Forms.PictureBox seat\_R4\_C4;

private System.Windows.Forms.PictureBox seat\_R4\_C3;

private System.Windows.Forms.PictureBox seat\_R4\_C2;

private System.Windows.Forms.PictureBox seat\_R4\_C1;

private System.Windows.Forms.PictureBox seat\_R3\_C10;

private System.Windows.Forms.PictureBox seat\_R3\_C9;

private System.Windows.Forms.PictureBox seat\_R3\_C8;

private System.Windows.Forms.PictureBox seat\_R3\_C7;

private System.Windows.Forms.PictureBox seat\_R3\_C6;

private System.Windows.Forms.PictureBox seat\_R3\_C5;

private System.Windows.Forms.PictureBox seat\_R3\_C4;

private System.Windows.Forms.PictureBox seat\_R3\_C3;

private System.Windows.Forms.PictureBox seat\_R3\_C2;

private System.Windows.Forms.PictureBox seat\_R3\_C1;

private System.Windows.Forms.PictureBox seat\_R2\_C10;

private System.Windows.Forms.PictureBox seat\_R2\_C9;

private System.Windows.Forms.PictureBox seat\_R2\_C8;

private System.Windows.Forms.PictureBox seat\_R2\_C7;

private System.Windows.Forms.PictureBox seat\_R2\_C6;

private System.Windows.Forms.PictureBox seat\_R2\_C5;

private System.Windows.Forms.PictureBox seat\_R2\_C4;

private System.Windows.Forms.PictureBox seat\_R2\_C3;

private System.Windows.Forms.PictureBox seat\_R2\_C2;

private System.Windows.Forms.PictureBox seat\_R2\_C1;

private System.Windows.Forms.PictureBox seat\_R1\_C10;

private System.Windows.Forms.PictureBox seat\_R1\_C9;

private System.Windows.Forms.PictureBox seat\_R1\_C2;

private System.Windows.Forms.PictureBox seat\_R1\_C1;

private System.Windows.Forms.Button cancelButton;

private System.Windows.Forms.Button proceedToCheckoutButton;

private System.Windows.Forms.TextBox tb\_SelectedSeatCount;

private System.Windows.Forms.Label lbl\_SelectedCount;

private System.Windows.Forms.FlowLayoutPanel flowLayoutPanel1;

private System.Windows.Forms.ListView lv\_ScreeningTimes;

private System.Windows.Forms.ColumnHeader dateHeader;

private System.Windows.Forms.ColumnHeader timeHeader;

private System.Windows.Forms.Label lbl\_LoggedInUser;

}

}

#### MDICinemaBookingSystem Form Code Behind Partial Class

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections.Generic;

using System.Linq;

using System.Windows.Forms;

using CinemaBookingSystem.Services;

using CinemaBookingSystem.DomainModel;

namespace CinemaBookingSystem {

/\*\*

\* Main application Multiple Document Interface application form

\*/

public partial class MDICinemaBookingSystem : Form {

// local ticket order property

private TicketOrder CurrentOrder { get; set; }

// local Logged in user property

private ApplicationUser LoggedInUser { get; set; }

// domain service property

public DomainServices DomainService { get; set; }

// Main constructor. Passed the logged in user

public MDICinemaBookingSystem(ApplicationUser user) {

InitializeComponent();

// save the user locally

this.LoggedInUser = user;

// determine if the reports should be enabled

reportsToolStripMenuItem.Enabled = LoggedInUser.UserRole.RoleType == UserRoleType.MANAGER;

// creat an instance of the DomainServices and store locally

this.DomainService = new DomainServices();

// initialise the user label text

lbl\_LoggedInUser.Text = "Logged In: " + LoggedInUser.Forename + " " + LoggedInUser.Surname;

// populate the film list box in the search panel

PopulateFilmList(DomainService.GetFilms());

}

/\*\*

\* Populates the film title list with the passed films

\*/

private void PopulateFilmList(IList<Film> films) {

// clear the list

lb\_FilmTitle.Items.Clear();

// iterate the films and add to the list

// the list box calls the ToString method of the film to display the text

foreach (Film film in films) {

lb\_FilmTitle.Items.Add(film);

}

}

/\*\*

\* Search button handler.

\*/

private void searchButton\_Click(object sender, EventArgs e) {

// get the selected screening from the list view

Screening screening = null;

try {

// need to cast to type

screening = (Screening)this.lv\_ScreeningTimes.SelectedItems[0].Tag;

} catch {

MessageBox.Show("You must select a screening date");

return;

}

// get the list of available seats - seats not available will

// not be included in the results

IList<Seat> availableSeats = DomainService.GetAvailableSeats(screening);

if (availableSeats.Count == 0) {

MessageBox.Show("There are no seats available");

return;

}

// init the viewer for selection

InitialiseScreeningRoomView(screening, availableSeats);

}

/\*\*

\* Recursive generic method to get the list of controls of type T from the passed control

\*/

private IList<T> GetControlsOfType<T>(Control control) where T : Control {

// create the result for this invokation of the recursive method

var rtn = new List<T>();

// iterate the child controls of the current passed control

foreach (Control item in control.Controls) {

// create as the type we are looking for

var ctr = item as T;

// if not null then is the correct type so add to the result

if (ctr != null) {

rtn.Add(ctr);

} else {

// not of the type so call recursive method on this item and add the results to the result

rtn.AddRange(GetControlsOfType<T>(item));

}

}

// return the results

return rtn;

}

/\*\*

\* Build the screen for the selected screening

\*/

private void InitialiseScreeningRoomView(Screening screening, IList<Seat> availableSeats) {

// set the screening room name

this.tc\_ScreeningRoom.TabPages[0].Text = screening.ScreeningRoom.RoomName;

// get the list of seat picturebox controls

IList<PictureBox> seatControls = GetControlsOfType<PictureBox>(tc\_ScreeningRoom.TabPages[0] as Control);

// get all the Screening room seats

IList<Seat> allSeats = DomainService.GetSeatsForScreeningRoom(screening);

bool isStandardSeat = false;

// iterate all seats and find its picture box in the controls list

foreach (Seat theSeat in allSeats) {

PictureBox theControl = FindControlForSeat(seatControls, theSeat);

// check if the control was found - show error and continue - should never happen

if (theControl == null) {

MessageBox.Show("An error occured initialising the view. Could not find a seat picturebox");

continue;

}

// attach the seat to the control

theControl.Tag = theSeat;

isStandardSeat = theSeat.SeatType.TypeName == SeatType.STANDARD\_SEAT;

// remove any click event handlers from the control

RemoveClickEvent(theControl);

// check if its in the available list

if (availableSeats.Contains<Seat>(theSeat)) {

// add the click event handler to the control

theControl.Click += new System.EventHandler(this.Seat\_Click);

// set the seat image based on seat type

if (isStandardSeat) {

theControl.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

} else {

theControl.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

}

} else {

// set the seat image based on seat type - not available

if (isStandardSeat) {

theControl.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Red;

} else {

theControl.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Red;

}

}

}

// create a basket for seat orders

CurrentOrder = new TicketOrder();

CurrentOrder.Screening = screening;

CurrentOrder.OrderDateTime = DateTime.Now;

CurrentOrder.ApplicationUser = LoggedInUser;

CurrentOrder.OrderTotalPrice = 0;

CurrentOrder.OrderStatus = DomainService.GetOrderStatusType(OrderStatusType.STATUS\_TYPE\_PENDING);

// make the tab control for the screening room visible and set the selected seat counter to 0

tc\_ScreeningRoom.Visible = true;

tb\_SelectedSeatCount.Text = "0";

}

/\*\*

\* remove the click event from the passed picturebox control

\*/

private void RemoveClickEvent(PictureBox b) {

try {

// remove the click event

b.Click -= Seat\_Click;

} catch {

// consume any exceptions

}

}

/\*\*

\* Find the picture box control associated with a seat in the picture box control list

\*/

private PictureBox FindControlForSeat(IList<PictureBox> controls, Seat seat) {

// build the picture box name from the seat

String name = "seat\_R" + seat.SeatRow + "\_C" + seat.SeatColumn;

// iterate the picture boxes and find the control

foreach (PictureBox control in controls) {

if (control.Name == name) {

return control;

}

}

// no control found so return null

return null;

}

/\*\*

\* Menu item click event handler for the Sales Report

\* Shows the Sales report view

\*/

private void totalTakingsByPeriodToolStripMenuItem\_Click(object sender, EventArgs e) {

SalesReport instance = new SalesReport();

instance.Show();

}

/\*\*

\* Menu item click event handler for the Cashier Report

\* Shows the Cashier report view

\*/

private void salesByCashierToolStripMenuItem\_Click(object sender, EventArgs e) {

CashierReport instance = new CashierReport(DomainService);

instance.Show();

}

/\*\*

\* Menu item click event handler for the logout function

\* Shows the Cashier report view

\*/

private void logoutToolStripMenuItem\_Click(object sender, EventArgs e) {

LoggedInUser = null;

Hide();

LogonForm.Instance.Show();

}

/\*\*

\* Film list box click event handler. Gets the selected film and populates

\* the Screenings for the film

\*/

private void filmTitleComboBox\_SelectedIndexChanged(object sender, EventArgs e) {

// clear the screenings listview

this.lv\_ScreeningTimes.Items.Clear();

// if no film selected then exit

if (lb\_FilmTitle.SelectedIndex < 0) {

return;

}

// get the selected film - need to cast to Film as stored as object

Film selectedFilm = (Film)lb\_FilmTitle.SelectedItem;

// get the screenings for the film via the domain service - only ones valid from NOW

IList<Screening> screenings = DomainService.GetScreeningTimes(selectedFilm, DateTime.Now);

// if no screenings then show info message and return

if (screenings.Count == 0) {

MessageBox.Show("There are no screenings available for this film");

return;

}

// populate the scrrenings listview

foreach (Screening screening in screenings) {

// create a listviewitem from the screening

ListViewItem listViewItem = new ListViewItem(new string[] {

screening.ScreeningDateTime.ToLongDateString(),

screening.ScreeningDateTime.ToShortTimeString()

}, -1);

// set the screening object on the listviewitem tag - for retrieval later on search

listViewItem.Tag = screening;

// ad it to the list view

this.lv\_ScreeningTimes.Items.Add(listViewItem);

}

}

/\*\*

\* Checkout button handler. Creates a new Checkout form and initialises the form with the selected order/seats

\*/

private void proceedToCheckoutButton\_Click(object sender, EventArgs e) {

// create a checkout form - pass the current order and domain service instance

CheckoutForm instance = new CheckoutForm(CurrentOrder, DomainService);

// show as a dialog

instance.ShowDialog();

// if the order was complated then rest the view for searching

if (instance.CheckoutCompleted) {

ResetToSearch();

}

}

/\*\*

\* Rest the view to the search panel only

\*/

private void ResetToSearch() {

CurrentOrder = null;

tc\_ScreeningRoom.Visible = false;

lb\_FilmTitle.SelectedIndex = -1;

lv\_ScreeningTimes.Items.Clear();

tb\_SelectedSeatCount.Text = "0";

}

/\*\*

\* Cncel button handler

\*/

private void cancelButton\_Click(object sender, EventArgs e) {

// only reset on user prompt yes

if (MessageBox.Show("This will cancel the current Order. Do you wish to continue?", "Confirm Cancel",

MessageBoxButtons.YesNo) == DialogResult.Yes) {

ResetToSearch();

}

}

/\*\*

\* Load event handler - make sure screening times cleared and screening room tab invisible

\*/

private void MDICinemaBookingSystem\_Load(object sender, EventArgs e) {

lv\_ScreeningTimes.Items.Clear();

tc\_ScreeningRoom.Visible = false;

}

/\*\*

\* Seat click event handler.

\* Determines the status of the seat and either add or removes from the order.

\* Changes the staus accordingly which changes the seat colouring

\*/

private void Seat\_Click(object sender, EventArgs e) {

// get the picture box that initiated the event - will only be a picture box so cast appropriately

PictureBox theControl = (PictureBox)sender;

// get the seat from the picturebox - its in the tag object so need to cast to seat

Seat theSeat = (Seat)theControl.Tag;

// set the flags to indicate if its a standard seat and if ints in the order already

bool isStandard = theSeat.SeatType.TypeName == SeatType.STANDARD\_SEAT;

bool isInOrder = CurrentOrder.Seats.Contains<Seat>(theSeat);

// check if in the order and set image appropriately

if (isInOrder) {

if (isStandard) {

theControl.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Green;

} else {

theControl.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Green;

}

// remove it from the order

CurrentOrder.RemoveSeat(theSeat);

} else {

// not in the order so set the image appropriately

if (isStandard) {

theControl.Image = global::CinemaBookingSystem.Properties.Resources.Standard\_Amber;

} else {

theControl.Image = global::CinemaBookingSystem.Properties.Resources.Premium\_Amber;

}

// add the seat to the order

CurrentOrder.AddSeat(theSeat);

}

// update the selected seat count

tb\_SelectedSeatCount.Text = "" + CurrentOrder.Seats.Count();

}

}

}

### CheckoutForm Designer Partial Class

namespace CinemaBookingSystem

{

partial class CheckoutForm

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#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>

private void InitializeComponent()

{

this.components = new System.ComponentModel.Container();

System.Windows.Forms.ListViewItem listViewItem1 = new System.Windows.Forms.ListViewItem(new string[] {

"Row A Seat 4",

"Standard",

"£ 6.80"}, -1);

System.Windows.Forms.ListViewItem listViewItem2 = new System.Windows.Forms.ListViewItem(new string[] {

"Row A Seat 5",

"Standard",

"£ 6.80"}, -1);

System.Windows.Forms.ListViewItem listViewItem3 = new System.Windows.Forms.ListViewItem(new string[] {

"Row A Seat 6",

"Standard",

"£ 6.80"}, -1);

System.Windows.Forms.ListViewItem listViewItem4 = new System.Windows.Forms.ListViewItem("");

this.imageList1 = new System.Windows.Forms.ImageList(this.components);

this.btn\_Checkout = new System.Windows.Forms.Button();

this.btn\_Cancel = new System.Windows.Forms.Button();

this.lv\_Checkout = new System.Windows.Forms.ListView();

this.SeatHeader = ((System.Windows.Forms.ColumnHeader)(new System.Windows.Forms.ColumnHeader()));

this.SeatTypeHeader = ((System.Windows.Forms.ColumnHeader)(new System.Windows.Forms.ColumnHeader()));

this.PriceHeader = ((System.Windows.Forms.ColumnHeader)(new System.Windows.Forms.ColumnHeader()));

this.flowLayoutPanel1 = new System.Windows.Forms.FlowLayoutPanel();

this.groupBox1 = new System.Windows.Forms.GroupBox();

this.splitContainer1 = new System.Windows.Forms.SplitContainer();

this.filmDetailPanel = new System.Windows.Forms.Panel();

this.tb\_Duration = new System.Windows.Forms.TextBox();

this.label9 = new System.Windows.Forms.Label();

this.tb\_Time = new System.Windows.Forms.TextBox();

this.tb\_Date = new System.Windows.Forms.TextBox();

this.tb\_ScreeningRoom = new System.Windows.Forms.TextBox();

this.tb\_Rating = new System.Windows.Forms.TextBox();

this.tb\_Director = new System.Windows.Forms.TextBox();

this.tb\_Film = new System.Windows.Forms.TextBox();

this.label6 = new System.Windows.Forms.Label();

this.label5 = new System.Windows.Forms.Label();

this.label4 = new System.Windows.Forms.Label();

this.label3 = new System.Windows.Forms.Label();

this.label2 = new System.Windows.Forms.Label();

this.label1 = new System.Windows.Forms.Label();

this.splitContainer2 = new System.Windows.Forms.SplitContainer();

this.tb\_TotalPrice = new System.Windows.Forms.TextBox();

this.tb\_TicketsPurchased = new System.Windows.Forms.TextBox();

this.label8 = new System.Windows.Forms.Label();

this.label7 = new System.Windows.Forms.Label();

this.flowLayoutPanel1.SuspendLayout();

this.groupBox1.SuspendLayout();

((System.ComponentModel.ISupportInitialize)(this.splitContainer1)).BeginInit();

this.splitContainer1.Panel1.SuspendLayout();

this.splitContainer1.Panel2.SuspendLayout();

this.splitContainer1.SuspendLayout();

this.filmDetailPanel.SuspendLayout();

((System.ComponentModel.ISupportInitialize)(this.splitContainer2)).BeginInit();

this.splitContainer2.Panel1.SuspendLayout();

this.splitContainer2.Panel2.SuspendLayout();

this.splitContainer2.SuspendLayout();

this.SuspendLayout();

//

// imageList1

//

this.imageList1.ColorDepth = System.Windows.Forms.ColorDepth.Depth8Bit;

this.imageList1.ImageSize = new System.Drawing.Size(16, 16);

this.imageList1.TransparentColor = System.Drawing.Color.Transparent;

//

// btn\_Checkout

//

this.btn\_Checkout.Dock = System.Windows.Forms.DockStyle.Bottom;

this.btn\_Checkout.Location = new System.Drawing.Point(422, 3);

this.btn\_Checkout.Name = "btn\_Checkout";

this.btn\_Checkout.Size = new System.Drawing.Size(75, 23);

this.btn\_Checkout.TabIndex = 1;

this.btn\_Checkout.Text = "Checkout";

this.btn\_Checkout.UseVisualStyleBackColor = true;

this.btn\_Checkout.Click += new System.EventHandler(this.checkOutButton\_Click);

//

// btn\_Cancel

//

this.btn\_Cancel.DialogResult = System.Windows.Forms.DialogResult.Cancel;

this.btn\_Cancel.Dock = System.Windows.Forms.DockStyle.Bottom;

this.btn\_Cancel.Location = new System.Drawing.Point(503, 3);

this.btn\_Cancel.Name = "btn\_Cancel";

this.btn\_Cancel.Size = new System.Drawing.Size(75, 23);

this.btn\_Cancel.TabIndex = 3;

this.btn\_Cancel.Text = "Cancel";

this.btn\_Cancel.UseVisualStyleBackColor = true;

this.btn\_Cancel.Click += new System.EventHandler(this.cancelButton\_Click);

//

// lv\_Checkout

//

this.lv\_Checkout.Columns.AddRange(new System.Windows.Forms.ColumnHeader[] {

this.SeatHeader,

this.SeatTypeHeader,

this.PriceHeader});

this.lv\_Checkout.Dock = System.Windows.Forms.DockStyle.Fill;

this.lv\_Checkout.GridLines = true;

this.lv\_Checkout.HideSelection = false;

this.lv\_Checkout.Items.AddRange(new System.Windows.Forms.ListViewItem[] {

listViewItem1,

listViewItem2,

listViewItem3,

listViewItem4});

this.lv\_Checkout.Location = new System.Drawing.Point(0, 0);

this.lv\_Checkout.Name = "lv\_Checkout";

this.lv\_Checkout.Size = new System.Drawing.Size(571, 202);

this.lv\_Checkout.TabIndex = 4;

this.lv\_Checkout.UseCompatibleStateImageBehavior = false;

this.lv\_Checkout.View = System.Windows.Forms.View.Details;

//

// SeatHeader

//

this.SeatHeader.Tag = "Seat";

this.SeatHeader.Text = "Seat & Column";

this.SeatHeader.Width = 194;

//

// SeatTypeHeader

//

this.SeatTypeHeader.Tag = "SeatType";

this.SeatTypeHeader.Text = "Seat Type";

this.SeatTypeHeader.Width = 261;

//

// PriceHeader

//

this.PriceHeader.Tag = "Price";

this.PriceHeader.Text = "Seat Price (£)";

this.PriceHeader.Width = 123;

//

// flowLayoutPanel1

//

this.flowLayoutPanel1.AutoSizeMode = System.Windows.Forms.AutoSizeMode.GrowAndShrink;

this.flowLayoutPanel1.Controls.Add(this.btn\_Cancel);

this.flowLayoutPanel1.Controls.Add(this.btn\_Checkout);

this.flowLayoutPanel1.Dock = System.Windows.Forms.DockStyle.Bottom;

this.flowLayoutPanel1.FlowDirection = System.Windows.Forms.FlowDirection.RightToLeft;

this.flowLayoutPanel1.Location = new System.Drawing.Point(5, 419);

this.flowLayoutPanel1.Name = "flowLayoutPanel1";

this.flowLayoutPanel1.Size = new System.Drawing.Size(581, 32);

this.flowLayoutPanel1.TabIndex = 5;

//

// groupBox1

//

this.groupBox1.CausesValidation = false;

this.groupBox1.Controls.Add(this.splitContainer1);

this.groupBox1.Dock = System.Windows.Forms.DockStyle.Fill;

this.groupBox1.Location = new System.Drawing.Point(5, 5);

this.groupBox1.Margin = new System.Windows.Forms.Padding(5);

this.groupBox1.Name = "groupBox1";

this.groupBox1.Padding = new System.Windows.Forms.Padding(5);

this.groupBox1.Size = new System.Drawing.Size(581, 414);

this.groupBox1.TabIndex = 6;

this.groupBox1.TabStop = false;

this.groupBox1.Text = "Selected Ticket Summary";

//

// splitContainer1

//

this.splitContainer1.Dock = System.Windows.Forms.DockStyle.Fill;

this.splitContainer1.IsSplitterFixed = true;

this.splitContainer1.Location = new System.Drawing.Point(5, 18);

this.splitContainer1.Name = "splitContainer1";

this.splitContainer1.Orientation = System.Windows.Forms.Orientation.Horizontal;

//

// splitContainer1.Panel1

//

this.splitContainer1.Panel1.Controls.Add(this.filmDetailPanel);

//

// splitContainer1.Panel2

//

this.splitContainer1.Panel2.Controls.Add(this.splitContainer2);

this.splitContainer1.Size = new System.Drawing.Size(571, 391);

this.splitContainer1.SplitterDistance = 117;

this.splitContainer1.TabIndex = 8;

//

// filmDetailPanel

//

this.filmDetailPanel.BackColor = System.Drawing.Color.White;

this.filmDetailPanel.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;

this.filmDetailPanel.Controls.Add(this.tb\_Duration);

this.filmDetailPanel.Controls.Add(this.label9);

this.filmDetailPanel.Controls.Add(this.tb\_Time);

this.filmDetailPanel.Controls.Add(this.tb\_Date);

this.filmDetailPanel.Controls.Add(this.tb\_ScreeningRoom);

this.filmDetailPanel.Controls.Add(this.tb\_Rating);

this.filmDetailPanel.Controls.Add(this.tb\_Director);

this.filmDetailPanel.Controls.Add(this.tb\_Film);

this.filmDetailPanel.Controls.Add(this.label6);

this.filmDetailPanel.Controls.Add(this.label5);

this.filmDetailPanel.Controls.Add(this.label4);

this.filmDetailPanel.Controls.Add(this.label3);

this.filmDetailPanel.Controls.Add(this.label2);

this.filmDetailPanel.Controls.Add(this.label1);

this.filmDetailPanel.Dock = System.Windows.Forms.DockStyle.Fill;

this.filmDetailPanel.Location = new System.Drawing.Point(0, 0);

this.filmDetailPanel.Name = "filmDetailPanel";

this.filmDetailPanel.Size = new System.Drawing.Size(571, 117);

this.filmDetailPanel.TabIndex = 7;

//

// tb\_Duration

//

this.tb\_Duration.Enabled = false;

this.tb\_Duration.Location = new System.Drawing.Point(67, 91);

this.tb\_Duration.Name = "tb\_Duration";

this.tb\_Duration.Size = new System.Drawing.Size(114, 20);

this.tb\_Duration.TabIndex = 13;

this.tb\_Duration.Text = "228 minutes";

//

// label9

//

this.label9.AutoSize = true;

this.label9.Location = new System.Drawing.Point(16, 95);

this.label9.Name = "label9";

this.label9.Size = new System.Drawing.Size(53, 13);

this.label9.TabIndex = 12;

this.label9.Text = "Duration: ";

//

// tb\_Time

//

this.tb\_Time.Enabled = false;

this.tb\_Time.Location = new System.Drawing.Point(398, 65);

this.tb\_Time.Name = "tb\_Time";

this.tb\_Time.Size = new System.Drawing.Size(84, 20);

this.tb\_Time.TabIndex = 11;

this.tb\_Time.Text = "14:30";

//

// tb\_Date

//

this.tb\_Date.Enabled = false;

this.tb\_Date.Location = new System.Drawing.Point(397, 40);

this.tb\_Date.Name = "tb\_Date";

this.tb\_Date.Size = new System.Drawing.Size(160, 20);

this.tb\_Date.TabIndex = 10;

this.tb\_Date.Text = "Friday 27th February 2015";

//

// tb\_ScreeningRoom

//

this.tb\_ScreeningRoom.CausesValidation = false;

this.tb\_ScreeningRoom.Enabled = false;

this.tb\_ScreeningRoom.Location = new System.Drawing.Point(397, 14);

this.tb\_ScreeningRoom.Name = "tb\_ScreeningRoom";

this.tb\_ScreeningRoom.Size = new System.Drawing.Size(160, 20);

this.tb\_ScreeningRoom.TabIndex = 9;

this.tb\_ScreeningRoom.Text = "Cinema One";

//

// tb\_Rating

//

this.tb\_Rating.Enabled = false;

this.tb\_Rating.Location = new System.Drawing.Point(68, 65);

this.tb\_Rating.Name = "tb\_Rating";

this.tb\_Rating.Size = new System.Drawing.Size(70, 20);

this.tb\_Rating.TabIndex = 8;

this.tb\_Rating.Tag = "";

this.tb\_Rating.Text = "PG";

this.tb\_Rating.TextAlign = System.Windows.Forms.HorizontalAlignment.Center;

//

// tb\_Director

//

this.tb\_Director.Enabled = false;

this.tb\_Director.Location = new System.Drawing.Point(67, 40);

this.tb\_Director.Name = "tb\_Director";

this.tb\_Director.Size = new System.Drawing.Size(230, 20);

this.tb\_Director.TabIndex = 7;

this.tb\_Director.Tag = "";

this.tb\_Director.Text = "Peter Jackson";

//

// tb\_Film

//

this.tb\_Film.Enabled = false;

this.tb\_Film.Location = new System.Drawing.Point(67, 14);

this.tb\_Film.Name = "tb\_Film";

this.tb\_Film.Size = new System.Drawing.Size(230, 20);

this.tb\_Film.TabIndex = 6;

this.tb\_Film.Text = "LOTR - Return Of The King";

//

// label6

//

this.label6.AutoSize = true;

this.label6.Location = new System.Drawing.Point(360, 68);

this.label6.Name = "label6";

this.label6.Size = new System.Drawing.Size(33, 13);

this.label6.TabIndex = 5;

this.label6.Text = "Time:";

//

// label5

//

this.label5.AutoSize = true;

this.label5.Location = new System.Drawing.Point(360, 44);

this.label5.Name = "label5";

this.label5.Size = new System.Drawing.Size(33, 13);

this.label5.TabIndex = 4;

this.label5.Text = "Date:";

//

// label4

//

this.label4.AutoSize = true;

this.label4.Location = new System.Drawing.Point(304, 18);

this.label4.Name = "label4";

this.label4.Size = new System.Drawing.Size(89, 13);

this.label4.TabIndex = 3;

this.label4.Text = "Screening Room:";

//

// label3

//

this.label3.AutoSize = true;

this.label3.Location = new System.Drawing.Point(23, 69);

this.label3.Name = "label3";

this.label3.Size = new System.Drawing.Size(41, 13);

this.label3.TabIndex = 2;

this.label3.Text = "Rating:";

//

// label2

//

this.label2.AutoSize = true;

this.label2.Location = new System.Drawing.Point(16, 44);

this.label2.Name = "label2";

this.label2.Size = new System.Drawing.Size(47, 13);

this.label2.TabIndex = 1;

this.label2.Text = "Director:";

//

// label1

//

this.label1.AutoSize = true;

this.label1.Location = new System.Drawing.Point(12, 18);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(51, 13);

this.label1.TabIndex = 0;

this.label1.Text = "Film Title:";

//

// splitContainer2

//

this.splitContainer2.Dock = System.Windows.Forms.DockStyle.Fill;

this.splitContainer2.Location = new System.Drawing.Point(0, 0);

this.splitContainer2.Name = "splitContainer2";

this.splitContainer2.Orientation = System.Windows.Forms.Orientation.Horizontal;

//

// splitContainer2.Panel1

//

this.splitContainer2.Panel1.Controls.Add(this.lv\_Checkout);

//

// splitContainer2.Panel2

//

this.splitContainer2.Panel2.Controls.Add(this.tb\_TotalPrice);

this.splitContainer2.Panel2.Controls.Add(this.tb\_TicketsPurchased);

this.splitContainer2.Panel2.Controls.Add(this.label8);

this.splitContainer2.Panel2.Controls.Add(this.label7);

this.splitContainer2.Size = new System.Drawing.Size(571, 270);

this.splitContainer2.SplitterDistance = 202;

this.splitContainer2.TabIndex = 6;

//

// tb\_TotalPrice

//

this.tb\_TotalPrice.Enabled = false;

this.tb\_TotalPrice.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.25F, System.Drawing.FontStyle.Bold);

this.tb\_TotalPrice.Location = new System.Drawing.Point(457, 35);

this.tb\_TotalPrice.Name = "tb\_TotalPrice";

this.tb\_TotalPrice.Size = new System.Drawing.Size(100, 23);

this.tb\_TotalPrice.TabIndex = 3;

this.tb\_TotalPrice.Text = "£ 20.40";

this.tb\_TotalPrice.TextAlign = System.Windows.Forms.HorizontalAlignment.Center;

//

// tb\_TicketsPurchased

//

this.tb\_TicketsPurchased.Enabled = false;

this.tb\_TicketsPurchased.Location = new System.Drawing.Point(457, 9);

this.tb\_TicketsPurchased.Name = "tb\_TicketsPurchased";

this.tb\_TicketsPurchased.Size = new System.Drawing.Size(100, 20);

this.tb\_TicketsPurchased.TabIndex = 2;

this.tb\_TicketsPurchased.Text = "3";

this.tb\_TicketsPurchased.TextAlign = System.Windows.Forms.HorizontalAlignment.Center;

//

// label8

//

this.label8.AutoSize = true;

this.label8.Location = new System.Drawing.Point(339, 40);

this.label8.Name = "label8";

this.label8.Size = new System.Drawing.Size(126, 13);

this.label8.TabIndex = 1;

this.label8.Text = "Total Price of Tickets (£):";

//

// label7

//

this.label7.AutoSize = true;

this.label7.Location = new System.Drawing.Point(324, 13);

this.label7.Name = "label7";

this.label7.Size = new System.Drawing.Size(126, 13);

this.label7.TabIndex = 0;

this.label7.Text = "Total Tickets Purchased:";

//

// CheckoutForm

//

this.AcceptButton = this.btn\_Checkout;

this.AutoScaleDimensions = new System.Drawing.SizeF(6F, 13F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.CancelButton = this.btn\_Cancel;

this.ClientSize = new System.Drawing.Size(591, 456);

this.Controls.Add(this.groupBox1);

this.Controls.Add(this.flowLayoutPanel1);

this.MaximizeBox = false;

this.MinimizeBox = false;

this.Name = "CheckoutForm";

this.Padding = new System.Windows.Forms.Padding(5);

this.Text = "Checkout Summary";

this.flowLayoutPanel1.ResumeLayout(false);

this.groupBox1.ResumeLayout(false);

this.splitContainer1.Panel1.ResumeLayout(false);

this.splitContainer1.Panel2.ResumeLayout(false);

((System.ComponentModel.ISupportInitialize)(this.splitContainer1)).EndInit();

this.splitContainer1.ResumeLayout(false);

this.filmDetailPanel.ResumeLayout(false);

this.filmDetailPanel.PerformLayout();

this.splitContainer2.Panel1.ResumeLayout(false);

this.splitContainer2.Panel2.ResumeLayout(false);

this.splitContainer2.Panel2.PerformLayout();

((System.ComponentModel.ISupportInitialize)(this.splitContainer2)).EndInit();

this.splitContainer2.ResumeLayout(false);

this.ResumeLayout(false);

}

#endregion

private System.Windows.Forms.ImageList imageList1;

private System.Windows.Forms.Button btn\_Checkout;

private System.Windows.Forms.Button btn\_Cancel;

private System.Windows.Forms.ListView lv\_Checkout;

private System.Windows.Forms.ColumnHeader SeatHeader;

private System.Windows.Forms.ColumnHeader SeatTypeHeader;

private System.Windows.Forms.ColumnHeader PriceHeader;

private System.Windows.Forms.FlowLayoutPanel flowLayoutPanel1;

private System.Windows.Forms.GroupBox groupBox1;

private System.Windows.Forms.SplitContainer splitContainer1;

private System.Windows.Forms.Panel filmDetailPanel;

private System.Windows.Forms.Label label6;

private System.Windows.Forms.Label label5;

private System.Windows.Forms.Label label4;

private System.Windows.Forms.Label label3;

private System.Windows.Forms.Label label2;

private System.Windows.Forms.Label label1;

private System.Windows.Forms.SplitContainer splitContainer2;

private System.Windows.Forms.Label label8;

private System.Windows.Forms.Label label7;

private System.Windows.Forms.TextBox tb\_Time;

private System.Windows.Forms.TextBox tb\_Date;

private System.Windows.Forms.TextBox tb\_ScreeningRoom;

private System.Windows.Forms.TextBox tb\_Rating;

private System.Windows.Forms.TextBox tb\_Director;

private System.Windows.Forms.TextBox tb\_Film;

private System.Windows.Forms.TextBox tb\_TotalPrice;

private System.Windows.Forms.TextBox tb\_TicketsPurchased;

private System.Windows.Forms.TextBox tb\_Duration;

private System.Windows.Forms.Label label9;

}

}

#### CheckoutForm Code Behind Partial Class

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Linq;

using System.Windows.Forms;

using CinemaBookingSystem.DomainModel;

using System.Globalization;

using CinemaBookingSystem.Services;

namespace CinemaBookingSystem {

/\*\*

\* This is the main checkout form for an order

\*/

public partial class CheckoutForm : Form {

// boolean to indicate if the order checkout was completed

public bool CheckoutCompleted { get; set; }

// local domain service property

private DomainServices DomainService { get; set; }

// local ticket order property

private TicketOrder TicketOrder { get; set; }

/\*\*

\* Default Constructor

\*/

private CheckoutForm() {

InitializeComponent();

}

/\*\*

\* Constructor with passed order. Stores the order locally.

\*/

public CheckoutForm(TicketOrder order, DomainServices domainService) {

InitializeComponent();

this.DomainService = domainService;

this.TicketOrder = order;

CheckoutCompleted = false;

InitializeForm();

}

/\*\*

\* Initialises the form with the stored order

\*/

private void InitializeForm() {

// initialise the screen textboxes

tb\_Date.Text = TicketOrder.Screening.ScreeningDateTime.ToLongDateString();

tb\_Director.Text = TicketOrder.Screening.Film.Director;

tb\_Duration.Text = TicketOrder.Screening.Film.Duration.ToString();

tb\_Film.Text = TicketOrder.Screening.Film.Title;

tb\_Rating.Text = TicketOrder.Screening.Film.Rating;

tb\_TicketsPurchased.Text = TicketOrder.Seats.Count<Seat>().ToString();

tb\_Time.Text = TicketOrder.Screening.ScreeningDateTime.ToShortTimeString();

tb\_TotalPrice.Text = TicketOrder.OrderTotalPrice.ToString("N", CultureInfo.InvariantCulture);

// clear the checkout listview

lv\_Checkout.Items.Clear();

// iterate the ordered seats and add them to the checkout listview

foreach (Seat seat in TicketOrder.Seats) {

// create a list view item from the seat

ListViewItem listViewItem = new ListViewItem(new string[] {

"Row " + seat.SeatRow + " Seat " + seat.SeatColumn,

seat.SeatType.TypeName ,

seat.SeatType.SeatPrice.ToString ("N", CultureInfo.InvariantCulture)}, -1);

// add the list item to the listview

lv\_Checkout.Items.Add(listViewItem);

}

}

/\*\*

\* Cancel button handler.

\*/

private void cancelButton\_Click(object sender, EventArgs e) {

// leave status set to false

// no save just exit

Close();

}

/\*\*

\* Checkout button handler.

\* Savees the order and sets the Checkout flag to true to indicate successfull checkout

\*/

private void checkOutButton\_Click(object sender, EventArgs e) {

// set the order status to Complete via the DomainService

TicketOrder.OrderStatus = this.DomainService.GetOrderStatusType(OrderStatusType.STATUS\_TYPE\_COMPLETE);

// save the order via the doamin service

DomainService.SaveOrder(TicketOrder);

// set status to true

CheckoutCompleted = true;

// close the view

this.Close();

}

}

}

### CashierReport Designer Partial Class

namespace CinemaBookingSystem

{

partial class CashierReport

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#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>

private void InitializeComponent()

{

this.components = new System.ComponentModel.Container();

System.Windows.Forms.ListViewItem listViewItem1 = new System.Windows.Forms.ListViewItem(new string[] {

"Jane Doe",

"LOTR - Return Of The King",

"£ 240.80"}, -1);

System.Windows.Forms.ListViewItem listViewItem2 = new System.Windows.Forms.ListViewItem(new string[] {

"Jane Doe",

"The Life Of Brian",

"£ 300.40"}, -1);

System.Windows.Forms.ListViewItem listViewItem3 = new System.Windows.Forms.ListViewItem(new string[] {

"Joe Bloggs",

"LOTR - Return Of The King",

"£ 540.00"}, -1);

this.splitContainer1 = new System.Windows.Forms.SplitContainer();

this.label3 = new System.Windows.Forms.Label();

this.chklst\_Cashiers = new System.Windows.Forms.CheckedListBox();

this.btn\_Run = new System.Windows.Forms.Button();

this.dp\_ToDate = new System.Windows.Forms.DateTimePicker();

this.dp\_FromDate = new System.Windows.Forms.DateTimePicker();

this.label2 = new System.Windows.Forms.Label();

this.label1 = new System.Windows.Forms.Label();

this.splitContainer2 = new System.Windows.Forms.SplitContainer();

this.lv\_Report = new System.Windows.Forms.ListView();

this.cashierColumnHeader = ((System.Windows.Forms.ColumnHeader)(new System.Windows.Forms.ColumnHeader()));

this.filmColumnHeader = ((System.Windows.Forms.ColumnHeader)(new System.Windows.Forms.ColumnHeader()));

this.salesColumnHeader = ((System.Windows.Forms.ColumnHeader)(new System.Windows.Forms.ColumnHeader()));

this.flowLayoutPanel1 = new System.Windows.Forms.FlowLayoutPanel();

this.btn\_Close = new System.Windows.Forms.Button();

this.btn\_Print = new System.Windows.Forms.Button();

this.bindingSource1 = new System.Windows.Forms.BindingSource(this.components);

((System.ComponentModel.ISupportInitialize)(this.splitContainer1)).BeginInit();

this.splitContainer1.Panel1.SuspendLayout();

this.splitContainer1.Panel2.SuspendLayout();

this.splitContainer1.SuspendLayout();

((System.ComponentModel.ISupportInitialize)(this.splitContainer2)).BeginInit();

this.splitContainer2.Panel1.SuspendLayout();

this.splitContainer2.Panel2.SuspendLayout();

this.splitContainer2.SuspendLayout();

this.flowLayoutPanel1.SuspendLayout();

((System.ComponentModel.ISupportInitialize)(this.bindingSource1)).BeginInit();

this.SuspendLayout();

//

// splitContainer1

//

this.splitContainer1.Dock = System.Windows.Forms.DockStyle.Fill;

this.splitContainer1.Location = new System.Drawing.Point(0, 0);

this.splitContainer1.Name = "splitContainer1";

this.splitContainer1.Orientation = System.Windows.Forms.Orientation.Horizontal;

//

// splitContainer1.Panel1

//

this.splitContainer1.Panel1.Controls.Add(this.label3);

this.splitContainer1.Panel1.Controls.Add(this.chklst\_Cashiers);

this.splitContainer1.Panel1.Controls.Add(this.btn\_Run);

this.splitContainer1.Panel1.Controls.Add(this.dp\_ToDate);

this.splitContainer1.Panel1.Controls.Add(this.dp\_FromDate);

this.splitContainer1.Panel1.Controls.Add(this.label2);

this.splitContainer1.Panel1.Controls.Add(this.label1);

//

// splitContainer1.Panel2

//

this.splitContainer1.Panel2.Controls.Add(this.splitContainer2);

this.splitContainer1.Size = new System.Drawing.Size(630, 532);

this.splitContainer1.SplitterDistance = 84;

this.splitContainer1.TabIndex = 0;

//

// label3

//

this.label3.AutoSize = true;

this.label3.Location = new System.Drawing.Point(295, 13);

this.label3.Name = "label3";

this.label3.Size = new System.Drawing.Size(45, 13);

this.label3.TabIndex = 6;

this.label3.Text = "Cashier:";

//

// chklst\_Cashiers

//

this.chklst\_Cashiers.CheckOnClick = true;

this.chklst\_Cashiers.FormattingEnabled = true;

this.chklst\_Cashiers.Items.AddRange(new object[] {

"Joe Bloggs",

"Jane Doe",

"Fred Perry"});

this.chklst\_Cashiers.Location = new System.Drawing.Point(346, 13);

this.chklst\_Cashiers.Name = "chklst\_Cashiers";

this.chklst\_Cashiers.Size = new System.Drawing.Size(178, 64);

this.chklst\_Cashiers.TabIndex = 5;

//

// btn\_Run

//

this.btn\_Run.Location = new System.Drawing.Point(539, 54);

this.btn\_Run.Name = "btn\_Run";

this.btn\_Run.Size = new System.Drawing.Size(75, 23);

this.btn\_Run.TabIndex = 4;

this.btn\_Run.Text = "Run Report";

this.btn\_Run.UseVisualStyleBackColor = true;

this.btn\_Run.Click += new System.EventHandler(this.runReportButton\_Click);

//

// dp\_ToDate

//

this.dp\_ToDate.Location = new System.Drawing.Point(79, 40);

this.dp\_ToDate.Name = "dp\_ToDate";

this.dp\_ToDate.Size = new System.Drawing.Size(200, 20);

this.dp\_ToDate.TabIndex = 3;

this.dp\_ToDate.Value = new System.DateTime(2015, 3, 27, 2, 30, 0, 0);

//

// dp\_FromDate

//

this.dp\_FromDate.Location = new System.Drawing.Point(79, 13);

this.dp\_FromDate.Name = "dp\_FromDate";

this.dp\_FromDate.Size = new System.Drawing.Size(200, 20);

this.dp\_FromDate.TabIndex = 2;

this.dp\_FromDate.Value = new System.DateTime(2015, 2, 21, 2, 30, 0, 0);

//

// label2

//

this.label2.AutoSize = true;

this.label2.Location = new System.Drawing.Point(13, 40);

this.label2.Name = "label2";

this.label2.Size = new System.Drawing.Size(49, 13);

this.label2.TabIndex = 1;

this.label2.Text = "To Date:";

//

// label1

//

this.label1.AutoSize = true;

this.label1.Location = new System.Drawing.Point(13, 13);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(59, 13);

this.label1.TabIndex = 0;

this.label1.Text = "From Date:";

//

// splitContainer2

//

this.splitContainer2.Dock = System.Windows.Forms.DockStyle.Fill;

this.splitContainer2.Location = new System.Drawing.Point(0, 0);

this.splitContainer2.Name = "splitContainer2";

this.splitContainer2.Orientation = System.Windows.Forms.Orientation.Horizontal;

//

// splitContainer2.Panel1

//

this.splitContainer2.Panel1.Controls.Add(this.lv\_Report);

//

// splitContainer2.Panel2

//

this.splitContainer2.Panel2.Controls.Add(this.flowLayoutPanel1);

this.splitContainer2.Size = new System.Drawing.Size(630, 444);

this.splitContainer2.SplitterDistance = 397;

this.splitContainer2.TabIndex = 0;

//

// lv\_Report

//

this.lv\_Report.Columns.AddRange(new System.Windows.Forms.ColumnHeader[] {

this.cashierColumnHeader,

this.filmColumnHeader,

this.salesColumnHeader});

this.lv\_Report.Dock = System.Windows.Forms.DockStyle.Fill;

this.lv\_Report.HeaderStyle = System.Windows.Forms.ColumnHeaderStyle.Nonclickable;

this.lv\_Report.Items.AddRange(new System.Windows.Forms.ListViewItem[] {

listViewItem1,

listViewItem2,

listViewItem3});

this.lv\_Report.Location = new System.Drawing.Point(0, 0);

this.lv\_Report.Name = "lv\_Report";

this.lv\_Report.Size = new System.Drawing.Size(630, 397);

this.lv\_Report.Sorting = System.Windows.Forms.SortOrder.Ascending;

this.lv\_Report.TabIndex = 0;

this.lv\_Report.UseCompatibleStateImageBehavior = false;

this.lv\_Report.View = System.Windows.Forms.View.Details;

//

// cashierColumnHeader

//

this.cashierColumnHeader.Text = "Cashier";

this.cashierColumnHeader.Width = 145;

//

// filmColumnHeader

//

this.filmColumnHeader.Text = "Film Title";

this.filmColumnHeader.Width = 360;

//

// salesColumnHeader

//

this.salesColumnHeader.Text = "Total Sales";

this.salesColumnHeader.Width = 121;

//

// flowLayoutPanel1

//

this.flowLayoutPanel1.Controls.Add(this.btn\_Close);

this.flowLayoutPanel1.Controls.Add(this.btn\_Print);

this.flowLayoutPanel1.Dock = System.Windows.Forms.DockStyle.Fill;

this.flowLayoutPanel1.FlowDirection = System.Windows.Forms.FlowDirection.RightToLeft;

this.flowLayoutPanel1.Location = new System.Drawing.Point(0, 0);

this.flowLayoutPanel1.Name = "flowLayoutPanel1";

this.flowLayoutPanel1.Size = new System.Drawing.Size(630, 43);

this.flowLayoutPanel1.TabIndex = 4;

//

// btn\_Close

//

this.btn\_Close.DialogResult = System.Windows.Forms.DialogResult.Cancel;

this.btn\_Close.Location = new System.Drawing.Point(552, 3);

this.btn\_Close.Name = "btn\_Close";

this.btn\_Close.Size = new System.Drawing.Size(75, 23);

this.btn\_Close.TabIndex = 2;

this.btn\_Close.Text = "Close";

this.btn\_Close.UseVisualStyleBackColor = true;

this.btn\_Close.Click += new System.EventHandler(this.closeButton\_Click);

//

// btn\_Print

//

this.btn\_Print.Location = new System.Drawing.Point(471, 3);

this.btn\_Print.Name = "btn\_Print";

this.btn\_Print.Size = new System.Drawing.Size(75, 23);

this.btn\_Print.TabIndex = 3;

this.btn\_Print.Text = "Print";

this.btn\_Print.UseVisualStyleBackColor = true;

this.btn\_Print.Click += new System.EventHandler(this.printButton\_Click);

//

// CashierReport

//

this.AutoScaleDimensions = new System.Drawing.SizeF(6F, 13F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.CancelButton = this.btn\_Close;

this.ClientSize = new System.Drawing.Size(630, 532);

this.Controls.Add(this.splitContainer1);

this.Name = "CashierReport";

this.Text = "Cashier Report";

this.splitContainer1.Panel1.ResumeLayout(false);

this.splitContainer1.Panel1.PerformLayout();

this.splitContainer1.Panel2.ResumeLayout(false);

((System.ComponentModel.ISupportInitialize)(this.splitContainer1)).EndInit();

this.splitContainer1.ResumeLayout(false);

this.splitContainer2.Panel1.ResumeLayout(false);

this.splitContainer2.Panel2.ResumeLayout(false);

((System.ComponentModel.ISupportInitialize)(this.splitContainer2)).EndInit();

this.splitContainer2.ResumeLayout(false);

this.flowLayoutPanel1.ResumeLayout(false);

((System.ComponentModel.ISupportInitialize)(this.bindingSource1)).EndInit();

this.ResumeLayout(false);

}

#endregion

private System.Windows.Forms.SplitContainer splitContainer1;

private System.Windows.Forms.Button btn\_Run;

private System.Windows.Forms.DateTimePicker dp\_ToDate;

private System.Windows.Forms.DateTimePicker dp\_FromDate;

private System.Windows.Forms.Label label2;

private System.Windows.Forms.Label label1;

private System.Windows.Forms.SplitContainer splitContainer2;

private System.Windows.Forms.Label label3;

private System.Windows.Forms.CheckedListBox chklst\_Cashiers;

private System.Windows.Forms.ListView lv\_Report;

private System.Windows.Forms.ColumnHeader cashierColumnHeader;

private System.Windows.Forms.ColumnHeader filmColumnHeader;

private System.Windows.Forms.ColumnHeader salesColumnHeader;

private System.Windows.Forms.FlowLayoutPanel flowLayoutPanel1;

private System.Windows.Forms.Button btn\_Close;

private System.Windows.Forms.Button btn\_Print;

private System.Windows.Forms.BindingSource bindingSource1;

}

}

#### CashierReport form code behind partial class

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections.Generic;

using System.Windows.Forms;

using CinemaBookingSystem.DomainModel;

using CinemaBookingSystem.Services;

using System.Globalization;

using CinemaBookingSystem.Utils;

namespace CinemaBookingSystem {

public partial class CashierReport : Form {

// local resport service property

private ReportService ReportService { get; set; }

// local DomainService property

private DomainServices DomainService { get; set; }

/\*\*

\* Default constructor. Creates a ReportService instance and stores locally

\* Populates the user checklist and sets the date from/to to Now

\*/

public CashierReport(DomainServices domainService) {

InitializeComponent();

// create an instance of the report service

this.ReportService = new ReportService();

// store the domain service instance locally

this.DomainService = domainService;

// clear the checklist then get the list of users and re-populate the checklist

chklst\_Cashiers.Items.Clear();

IList<ApplicationUser> userList = DomainService.GetUsers();

foreach (ApplicationUser user in userList) {

chklst\_Cashiers.Items.Add(user);

}

// reset the date from/to pick lists to NOW

dp\_FromDate.Value = DateTime.Now;

dp\_ToDate.Value = DateTime.Now;

// clear the result listview

lv\_Report.Items.Clear();

}

/\*\*

\* Internal Summary class for building the view

\* from the order results

\*/

private class ResultSummary {

// properties of the inner class - user, Film, total sales

public ApplicationUser User { get; set; }

public Film Film { get; set; }

public Decimal TotalSales { get; set; }

// main constructor

public ResultSummary(ApplicationUser user, Film film, Decimal totalSales) {

this.User = user;

this.Film = film;

this.TotalSales = totalSales;

}

// method to add to this records total

public void AddToTotal(Decimal pValue) {

this.TotalSales += pValue;

}

// override the equals to use the film equals result

public override bool Equals(object obj) {

var other = obj as ResultSummary;

if (other == null) return false;

// check the Film equals

return (other.User.Equals(this.User) && other.Film.Equals(this.Film));

}

// override the GetHashCode method to use the Film hashcode

public override int GetHashCode() {

return (Film.GetHashCode() + User.GetHashCode());

}

}

/\*\*

\* Run button handler.

\* Validates the input dates and that at least one user is selected.

\* Executes the report service query and builds the report view from the results

\*/

private void runReportButton\_Click(object sender, EventArgs e) {

DateTime fromDate = DateUtil.ChangeTime(dp\_FromDate.Value, true);

DateTime toDate = DateUtil.ChangeTime(dp\_ToDate.Value, false);

// validate that fromDate before or equal to toDate

if (fromDate > toDate) {

MessageBox.Show("From date must be the same or before the To date.");

return;

}

// validate one or more users selected

if (chklst\_Cashiers.SelectedIndices.Count == 0) {

MessageBox.Show("You must select at least one user.");

return;

}

// build the user list from the checked users

List<ApplicationUser> users = new List<ApplicationUser>();

foreach (int index in chklst\_Cashiers.CheckedIndices) {

users.Add((ApplicationUser)chklst\_Cashiers.Items[index]);

}

// get the collection of orders for the passed users from and to dates

IList<TicketOrder> orders = ReportService.GetCashierSalesForPeriod(users, fromDate, toDate);

// get the summary collection for population of the list view

List<ResultSummary> resultList = BuildResultSummaryList(orders);

lv\_Report.Items.Clear();

// add the items to the list view

foreach (ResultSummary summary in resultList) {

ListViewItem listViewItem = new ListViewItem(new string[] {

summary.User.FullName,

summary.Film.Title,

summary.TotalSales.ToString("N", CultureInfo.InvariantCulture)}, -1);

lv\_Report.Items.Add(listViewItem);

}

}

/\*\*

\* Build the list of Summary records for population of the view

\* from the orders

\*/

private List<ResultSummary> BuildResultSummaryList(IList<TicketOrder> orders) {

// create a result list

List<ResultSummary> results = new List<ResultSummary>();

// iterate the passed orders and build the results

foreach (TicketOrder order in orders) {

// create an inner ResultSummary from the order

ResultSummary next = new ResultSummary(order.ApplicationUser, order.Screening.Film, order.OrderTotalPrice);

// chek is the summary already exists in the result list

// and if so get its by its index and add the order value to the total

if (results.Contains(next)) {

int index = results.IndexOf(next);

results[index].AddToTotal(next.TotalSales);

} else {

// add the ResultSummary as its a new one

results.Add(next);

}

}

// resturn the results

return results;

}

/\*\*

\* Close button handler. Closes the view

\*/

private void closeButton\_Click(object sender, EventArgs e) {

Close();

}

/\*\*

\* Print button handler - Not Implemented yet.

\*/

private void printButton\_Click(object sender, EventArgs e) {

MessageBox.Show("This would print the Report");

}

}

}

### SalesReport Designer Partial Class

namespace CinemaBookingSystem

{

partial class SalesReport

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#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>

private void InitializeComponent()

{

System.Windows.Forms.ListViewItem listViewItem1 = new System.Windows.Forms.ListViewItem(new string[] {

"LOTR - Return Of The King",

"£ 720.80"}, -1);

System.Windows.Forms.ListViewItem listViewItem2 = new System.Windows.Forms.ListViewItem(new string[] {

"The Life Of Brian",

"£ 1020.00"}, -1);

this.splitContainer1 = new System.Windows.Forms.SplitContainer();

this.btn\_Run = new System.Windows.Forms.Button();

this.dp\_ToDate = new System.Windows.Forms.DateTimePicker();

this.label2 = new System.Windows.Forms.Label();

this.dp\_FromDate = new System.Windows.Forms.DateTimePicker();

this.label1 = new System.Windows.Forms.Label();

this.splitContainer2 = new System.Windows.Forms.SplitContainer();

this.splitContainer3 = new System.Windows.Forms.SplitContainer();

this.lv\_Report = new System.Windows.Forms.ListView();

this.filmHeader = ((System.Windows.Forms.ColumnHeader)(new System.Windows.Forms.ColumnHeader()));

this.totalsHeader = ((System.Windows.Forms.ColumnHeader)(new System.Windows.Forms.ColumnHeader()));

this.lbl\_TotalSales = new System.Windows.Forms.Label();

this.label3 = new System.Windows.Forms.Label();

this.flowLayoutPanel1 = new System.Windows.Forms.FlowLayoutPanel();

this.btn\_Close = new System.Windows.Forms.Button();

this.btn\_Print = new System.Windows.Forms.Button();

((System.ComponentModel.ISupportInitialize)(this.splitContainer1)).BeginInit();

this.splitContainer1.Panel1.SuspendLayout();

this.splitContainer1.Panel2.SuspendLayout();

this.splitContainer1.SuspendLayout();

((System.ComponentModel.ISupportInitialize)(this.splitContainer2)).BeginInit();

this.splitContainer2.Panel1.SuspendLayout();

this.splitContainer2.Panel2.SuspendLayout();

this.splitContainer2.SuspendLayout();

((System.ComponentModel.ISupportInitialize)(this.splitContainer3)).BeginInit();

this.splitContainer3.Panel1.SuspendLayout();

this.splitContainer3.Panel2.SuspendLayout();

this.splitContainer3.SuspendLayout();

this.flowLayoutPanel1.SuspendLayout();

this.SuspendLayout();

//

// splitContainer1

//

this.splitContainer1.Dock = System.Windows.Forms.DockStyle.Fill;

this.splitContainer1.FixedPanel = System.Windows.Forms.FixedPanel.Panel1;

this.splitContainer1.IsSplitterFixed = true;

this.splitContainer1.Location = new System.Drawing.Point(0, 0);

this.splitContainer1.Name = "splitContainer1";

this.splitContainer1.Orientation = System.Windows.Forms.Orientation.Horizontal;

//

// splitContainer1.Panel1

//

this.splitContainer1.Panel1.Controls.Add(this.btn\_Run);

this.splitContainer1.Panel1.Controls.Add(this.dp\_ToDate);

this.splitContainer1.Panel1.Controls.Add(this.label2);

this.splitContainer1.Panel1.Controls.Add(this.dp\_FromDate);

this.splitContainer1.Panel1.Controls.Add(this.label1);

//

// splitContainer1.Panel2

//

this.splitContainer1.Panel2.Controls.Add(this.splitContainer2);

this.splitContainer1.Size = new System.Drawing.Size(539, 454);

this.splitContainer1.SplitterDistance = 73;

this.splitContainer1.TabIndex = 0;

//

// btn\_Run

//

this.btn\_Run.Location = new System.Drawing.Point(436, 33);

this.btn\_Run.Name = "btn\_Run";

this.btn\_Run.Size = new System.Drawing.Size(75, 23);

this.btn\_Run.TabIndex = 4;

this.btn\_Run.Text = "Run Report";

this.btn\_Run.UseVisualStyleBackColor = true;

this.btn\_Run.Click += new System.EventHandler(this.runReportButton\_Click);

//

// dp\_ToDate

//

this.dp\_ToDate.Location = new System.Drawing.Point(123, 40);

this.dp\_ToDate.Name = "dp\_ToDate";

this.dp\_ToDate.Size = new System.Drawing.Size(200, 20);

this.dp\_ToDate.TabIndex = 3;

this.dp\_ToDate.Value = new System.DateTime(2015, 4, 27, 2, 8, 0, 0);

//

// label2

//

this.label2.AutoSize = true;

this.label2.Location = new System.Drawing.Point(67, 43);

this.label2.Name = "label2";

this.label2.Size = new System.Drawing.Size(49, 13);

this.label2.TabIndex = 2;

this.label2.Text = "To Date:";

//

// dp\_FromDate

//

this.dp\_FromDate.Location = new System.Drawing.Point(123, 13);

this.dp\_FromDate.Name = "dp\_FromDate";

this.dp\_FromDate.Size = new System.Drawing.Size(200, 20);

this.dp\_FromDate.TabIndex = 1;

this.dp\_FromDate.Value = new System.DateTime(2015, 4, 1, 0, 1, 0, 0);

//

// label1

//

this.label1.AutoSize = true;

this.label1.Location = new System.Drawing.Point(57, 13);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(59, 13);

this.label1.TabIndex = 0;

this.label1.Text = "From Date:";

//

// splitContainer2

//

this.splitContainer2.Dock = System.Windows.Forms.DockStyle.Fill;

this.splitContainer2.Location = new System.Drawing.Point(0, 0);

this.splitContainer2.Name = "splitContainer2";

this.splitContainer2.Orientation = System.Windows.Forms.Orientation.Horizontal;

//

// splitContainer2.Panel1

//

this.splitContainer2.Panel1.Controls.Add(this.splitContainer3);

//

// splitContainer2.Panel2

//

this.splitContainer2.Panel2.Controls.Add(this.flowLayoutPanel1);

this.splitContainer2.Size = new System.Drawing.Size(539, 377);

this.splitContainer2.SplitterDistance = 336;

this.splitContainer2.TabIndex = 0;

//

// splitContainer3

//

this.splitContainer3.Dock = System.Windows.Forms.DockStyle.Fill;

this.splitContainer3.Location = new System.Drawing.Point(0, 0);

this.splitContainer3.Name = "splitContainer3";

this.splitContainer3.Orientation = System.Windows.Forms.Orientation.Horizontal;

//

// splitContainer3.Panel1

//

this.splitContainer3.Panel1.Controls.Add(this.lv\_Report);

//

// splitContainer3.Panel2

//

this.splitContainer3.Panel2.Controls.Add(this.lbl\_TotalSales);

this.splitContainer3.Panel2.Controls.Add(this.label3);

this.splitContainer3.Size = new System.Drawing.Size(539, 336);

this.splitContainer3.SplitterDistance = 278;

this.splitContainer3.TabIndex = 1;

//

// lv\_Report

//

this.lv\_Report.Columns.AddRange(new System.Windows.Forms.ColumnHeader[] {

this.filmHeader,

this.totalsHeader});

this.lv\_Report.Dock = System.Windows.Forms.DockStyle.Fill;

this.lv\_Report.HeaderStyle = System.Windows.Forms.ColumnHeaderStyle.Nonclickable;

this.lv\_Report.Items.AddRange(new System.Windows.Forms.ListViewItem[] {

listViewItem1,

listViewItem2});

this.lv\_Report.Location = new System.Drawing.Point(0, 0);

this.lv\_Report.Name = "lv\_Report";

this.lv\_Report.Size = new System.Drawing.Size(539, 278);

this.lv\_Report.TabIndex = 0;

this.lv\_Report.UseCompatibleStateImageBehavior = false;

this.lv\_Report.View = System.Windows.Forms.View.Details;

//

// filmHeader

//

this.filmHeader.Text = "Film Title";

this.filmHeader.Width = 363;

//

// totalsHeader

//

this.totalsHeader.Text = "Total Sales";

this.totalsHeader.Width = 164;

//

// lbl\_TotalSales

//

this.lbl\_TotalSales.AutoSize = true;

this.lbl\_TotalSales.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.25F, System.Drawing.FontStyle.Bold);

this.lbl\_TotalSales.Location = new System.Drawing.Point(411, 17);

this.lbl\_TotalSales.Name = "lbl\_TotalSales";

this.lbl\_TotalSales.Size = new System.Drawing.Size(86, 17);

this.lbl\_TotalSales.TabIndex = 1;

this.lbl\_TotalSales.Text = "£ 1,740.80";

//

// label3

//

this.label3.AutoSize = true;

this.label3.Location = new System.Drawing.Point(296, 19);

this.label3.Name = "label3";

this.label3.Size = new System.Drawing.Size(108, 13);

this.label3.TabIndex = 0;

this.label3.Text = "Total Sales In Period:";

//

// flowLayoutPanel1

//

this.flowLayoutPanel1.Controls.Add(this.btn\_Close);

this.flowLayoutPanel1.Controls.Add(this.btn\_Print);

this.flowLayoutPanel1.Dock = System.Windows.Forms.DockStyle.Fill;

this.flowLayoutPanel1.FlowDirection = System.Windows.Forms.FlowDirection.RightToLeft;

this.flowLayoutPanel1.Location = new System.Drawing.Point(0, 0);

this.flowLayoutPanel1.Name = "flowLayoutPanel1";

this.flowLayoutPanel1.Size = new System.Drawing.Size(539, 37);

this.flowLayoutPanel1.TabIndex = 2;

//

// btn\_Close

//

this.btn\_Close.DialogResult = System.Windows.Forms.DialogResult.Cancel;

this.btn\_Close.Location = new System.Drawing.Point(461, 3);

this.btn\_Close.Name = "btn\_Close";

this.btn\_Close.Size = new System.Drawing.Size(75, 23);

this.btn\_Close.TabIndex = 0;

this.btn\_Close.Text = "Close";

this.btn\_Close.UseVisualStyleBackColor = true;

this.btn\_Close.Click += new System.EventHandler(this.closeButton\_Click);

//

// btn\_Print

//

this.btn\_Print.Location = new System.Drawing.Point(380, 3);

this.btn\_Print.Name = "btn\_Print";

this.btn\_Print.Size = new System.Drawing.Size(75, 23);

this.btn\_Print.TabIndex = 1;

this.btn\_Print.Text = "Print";

this.btn\_Print.UseVisualStyleBackColor = true;

this.btn\_Print.Click += new System.EventHandler(this.printButton\_Click);

//

// SalesReport

//

this.AutoScaleDimensions = new System.Drawing.SizeF(6F, 13F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.CancelButton = this.btn\_Close;

this.ClientSize = new System.Drawing.Size(539, 454);

this.Controls.Add(this.splitContainer1);

this.Name = "SalesReport";

this.Text = "Sales Report";

this.splitContainer1.Panel1.ResumeLayout(false);

this.splitContainer1.Panel1.PerformLayout();

this.splitContainer1.Panel2.ResumeLayout(false);

((System.ComponentModel.ISupportInitialize)(this.splitContainer1)).EndInit();

this.splitContainer1.ResumeLayout(false);

this.splitContainer2.Panel1.ResumeLayout(false);

this.splitContainer2.Panel2.ResumeLayout(false);

((System.ComponentModel.ISupportInitialize)(this.splitContainer2)).EndInit();

this.splitContainer2.ResumeLayout(false);

this.splitContainer3.Panel1.ResumeLayout(false);

this.splitContainer3.Panel2.ResumeLayout(false);

this.splitContainer3.Panel2.PerformLayout();

((System.ComponentModel.ISupportInitialize)(this.splitContainer3)).EndInit();

this.splitContainer3.ResumeLayout(false);

this.flowLayoutPanel1.ResumeLayout(false);

this.ResumeLayout(false);

}

#endregion

private System.Windows.Forms.SplitContainer splitContainer1;

private System.Windows.Forms.Button btn\_Run;

private System.Windows.Forms.DateTimePicker dp\_ToDate;

private System.Windows.Forms.Label label2;

private System.Windows.Forms.DateTimePicker dp\_FromDate;

private System.Windows.Forms.Label label1;

private System.Windows.Forms.SplitContainer splitContainer2;

private System.Windows.Forms.SplitContainer splitContainer3;

private System.Windows.Forms.ListView lv\_Report;

private System.Windows.Forms.ColumnHeader filmHeader;

private System.Windows.Forms.ColumnHeader totalsHeader;

private System.Windows.Forms.Label lbl\_TotalSales;

private System.Windows.Forms.Label label3;

private System.Windows.Forms.FlowLayoutPanel flowLayoutPanel1;

private System.Windows.Forms.Button btn\_Close;

private System.Windows.Forms.Button btn\_Print;

}

}

#### SalesReport form Code behind Partial Class

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections.Generic;

using System.Windows.Forms;

using CinemaBookingSystem.Services;

using CinemaBookingSystem.DomainModel;

using CinemaBookingSystem.Utils;

using System.Globalization;

namespace CinemaBookingSystem {

public partial class SalesReport : Form {

// Internal Summary class for building the view

// from the results

private class ResultSummary {

public Film Film { get; set; }

public Decimal TotalSales { get; set; }

// main constructor

public ResultSummary(Film film, Decimal totalSales) {

this.Film = film;

this.TotalSales = totalSales;

}

// method to add to this records total

public void AddToTotal(Decimal pValue) {

this.TotalSales += pValue;

}

// override the equals to use the film equals result

public override bool Equals(object obj) {

var other = obj as ResultSummary;

if (other == null) return false;

// check the Film equals

return other.Film.Equals(this.Film);

}

// override the GetHashCode method to use the Film hashcode

public override int GetHashCode() {

return Film.GetHashCode();

}

}

// ReportService instance

private ReportService ReportService { get; set; }

/\*\*

\* Default constructor

\*/

public SalesReport()

{

InitializeComponent();

// initialise the date picker controls

dp\_FromDate.Value = DateTime.Now;

dp\_ToDate.Value = DateTime.Now;

// create an instance of the report services

ReportService = new ReportService();

// clear the results view

lv\_Report.Items.Clear();

}

/\*\*

\* Close button click event handler

\*/

private void closeButton\_Click(object sender, EventArgs e) {

this.Close();

}

private void printButton\_Click(object sender, EventArgs e) {

MessageBox.Show("This would print the Report");

}

/\*\*

\* Run button click event handler.

\* Validate the inputs - valid date from/to

\* Runs the report via the report service and build the list of

\* Summary objects to populate the view

\*/

private void runReportButton\_Click(object sender, EventArgs e) {

DateTime fromDate = DateUtil.ChangeTime(dp\_FromDate.Value, true);

DateTime toDate = DateUtil.ChangeTime(dp\_ToDate.Value, false);

// validate that fromDate before or equal to toDate

if (fromDate > toDate) {

MessageBox.Show("From date must be the same or before the To date.");

return;

}

// execute the service

IList<TicketOrder> orders = ReportService.GetSalesForPeriod(fromDate, toDate);

List<ResultSummary> resultList = BuildResultSummaryList(orders);

Decimal totalSales = 0;

lv\_Report.Items.Clear();

// add the items to the list view

foreach (ResultSummary summary in resultList) {

ListViewItem listViewItem = new ListViewItem(new string[] {

summary.Film.Title,

summary.TotalSales.ToString("N", CultureInfo.InvariantCulture)}, -1);

lv\_Report.Items.Add(listViewItem);

totalSales += summary.TotalSales;

}

lbl\_TotalSales.Text = totalSales.ToString("N", CultureInfo.InvariantCulture);

}

/\*\*

\* Build the list of Summary records for poulation of the view

\* from the orders

\*/

private List<ResultSummary> BuildResultSummaryList(IList<TicketOrder> orders) {

List<ResultSummary> results = new List<ResultSummary>();

foreach (TicketOrder order in orders) {

ResultSummary next = new ResultSummary(order.Screening.Film, order.OrderTotalPrice);

if (results.Contains(next)) {

int index = results.IndexOf(next);

results[index].AddToTotal(next.TotalSales);

} else {

results.Add(next);

}

}

return results;

}

}

}

## Program (Main Executable)

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

using System;

using System.Collections.Generic;

using System.Linq;

using System.Windows.Forms;

using NHibernate.Cfg;

using NHibernate.Cfg.Loquacious;

using NHibernate.Dialect;

using NHibernate.Driver;

using NHibernate.Tool.hbm2ddl;

using CinemaBookingSystem.DomainModel;

using NHibernate;

namespace CinemaBookingSystem

{

static class Program

{

/// <summary>

/// The main entry point for the application.

/// </summary>

[STAThread]

static void Main(){

Application.EnableVisualStyles();

Application.SetCompatibleTextRenderingDefault(false);

// setup NHibernate

Configuration config = SessionProvider.Configuration;

ISessionFactory factory = SessionProvider.SessionFactory;

// run the application logon form

Application.Run(new LogonForm());

}

}

}

## Visual Studio Generated Class

### Settings Classes

/\*\* Graded Unit : Cinema Booking System

\* Written by:

\* Andrew Mclaughlin

\* HND Software Development, year 2

\* Clyde College Glasgow (Cardonald Campus)

\* 2014/2015

\*/

namespace CinemaBookingSystem.Properties {

// This class allows you to handle specific events on the settings class:

// The SettingChanging event is raised before a setting's value is changed.

// The PropertyChanged event is raised after a setting's value is changed.

// The SettingsLoaded event is raised after the setting values are loaded.

// The SettingsSaving event is raised before the setting values are saved.

internal sealed partial class Settings {

public Settings() {

// // To add event handlers for saving and changing settings, uncomment the lines below:

//

// this.SettingChanging += this.SettingChangingEventHandler;

//

// this.SettingsSaving += this.SettingsSavingEventHandler;

//

}

private void SettingChangingEventHandler(object sender, System.Configuration.SettingChangingEventArgs e) {

// Add code to handle the SettingChangingEvent event here.

}

private void SettingsSavingEventHandler(object sender, System.ComponentModel.CancelEventArgs e) {

// Add code to handle the SettingsSaving event here.

}

}

}

namespace CinemaBookingSystem.Properties

{

[global::System.Runtime.CompilerServices.CompilerGeneratedAttribute()]

[global::System.CodeDom.Compiler.GeneratedCodeAttribute("Microsoft.VisualStudio.Editors.SettingsDesigner.SettingsSingleFileGenerator", "10.0.0.0")]

internal sealed partial class Settings : global::System.Configuration.ApplicationSettingsBase

{

private static Settings defaultInstance = ((Settings)(global::System.Configuration.ApplicationSettingsBase.Synchronized(new Settings())));

public static Settings Default

{

get

{

return defaultInstance;

}

}

}

}

## Configuration Files

### hibernate.cfg.xml - NHibernate Config File

This is the NHibernate configuration which points to the SQLServer CE4 database. To redirect the application to another database this file is updated but the mappings and code remain as is.

<?xml version="1.0" encoding="utf-8" ?>

<hibernate-configuration xmlns="urn:nhibernate-configuration-2.2">

<session-factory>

<property name="connection.provider">NHibernate.Connection.DriverConnectionProvider</property>

<property name="dialect">NHibernate.Dialect.MsSqlCe40Dialect</property>

<property name="connection.driver\_class">NHibernate.Driver.SqlServerCeDriver</property>

<property name="connection.connection\_string">Data Source=Data/CinemaBookings.sdf</property>

<property name="show\_sql">true</property>

</session-factory>

</hibernate-configuration>

### Packages.config

List of packages used in the application.

<?xml version="1.0" encoding="utf-8"?>

<packages>

<package id="FluentNHibernate" version="2.0.1.0" targetFramework="net40-Client" />

<package id="FluentValidation" version="5.5.0.0" targetFramework="net40-Client" />

<package id="Iesi.Collections" version="4.0.0.4000" targetFramework="net40-Client" />

<package id="Microsoft.SqlServer.Compact" version="4.0.8876.1" targetFramework="net40-Client" />

<package id="Microsoft.Web.Infrastructure" version="1.0.0.0" targetFramework="net40-Client" />

<package id="NHibernate" version="4.0.0.4000" targetFramework="net40-Client" />

<package id="NHibernateProfiler" version="3.0.3046.0" targetFramework="net40-Client" />

<package id="WebActivatorEx" version="2.0.5" targetFramework="net40-Client" />

</packages>

Library References Used in Application

