XL Cinemas Ticketing System – User Guide

Assignment 3

Contents

Introduction	2
Getting Started	2
The Basis of the System	2
Getting Started	2
Common Tasks	2
Using the Ticketing System	5
The Home Page	5
The Book a Ticket Page	6
The View Chart Data Page	8
The View a Screening Page	
The Cinema Performance Page	11

Introduction

The basis of this assignment was to produce an application which would have the capabilities of: acting as an electronic till, recording ticket sales, storing the sales data and enabling the analysis of the data. Along with this, a user guide was to be produced, to allow people to use the application with ease. Furthermore, a group presentation to sell the Cinema Ticketing System model to the client (XL Cinemas) would then take place.

With XL Cinemas having recently opened a new 2 screen complex, featuring 300 seats in screen 1 and 200 seats in screen 2, and electronic till is now needed which will record the ticket sales that're placed. Tickets including: adult, child and concession are offered, and films are available to be viewed at 4 different times within the day. The system provides the analysis of data to be viewed, including: occupancy, days and times – and the user can choose their desired: screen, film time and ticket type.

This user guide for the Cinema Ticketing System will provide a detailed and in-depth tutorial of how to use the system to it's full capabilities. This user guide can be used in any situation where information on using the Cinema Ticketing System is required. Whether that be at: home, the office or even in a car – this user guide will be available to use.

The content of the user guide can be viewed within the previous page, and this will exclaim the layout that this manual will take, and on which page specific information can be found. The user guide can be used as a document for reference and you may find that reading through it a few times at the beginning will help with your understanding of how to use the system. However, the instructions are in-depth therefore users should be capable of using the system with the aid of the manual. Regardless, it will be available to view at any time on the home page of the Cinema Ticketing System, so any misunderstandings can be resolved.

Getting Started

The Basis of the System

The XL Cinemas Ticketing System is a WPF (Windows Presentation Foundation) Application. Essentially, it is a framework produced by Microsoft, which allows Graphical User Interfaces to be produced, which are user friendly and are of high visual quality. Although advised to produce the system as a spreadsheet, WPF was used instead as this would be more beneficial to our learning of programming. Along with this, WPF allows content to be resized effectively on the screen, along with easily customising the controls.

Getting Started

The XL Cinemas Ticketing System can be accessed through a .exe file which has been provided for you. The program is contained within this, and no additional software needs to be downloaded before you can view the program in this format. The executable file can be run through Windows and requires just a double-click to begin running it.

Common Tasks

Below is a list of common tasks/controls which you may wish to perform whilst using the Ticketing System, and how they can be completed.

Task(s) Explanation Image	
---------------------------	--

XL Cinemas - Ticketing System User Guide

Assignment 3 Using the Menu tool.

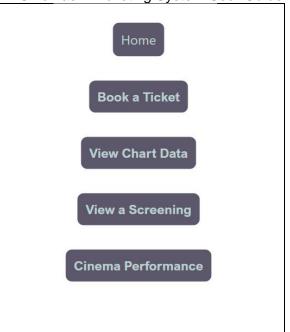
The most common task often completed when using the Ticketing System, is navigating through the small menu to the upper right of the screen. As shown within the image, there are 4 buttons present – all of which have their different functions. Simply perform a single click on each button to go to the view/page associated with it:

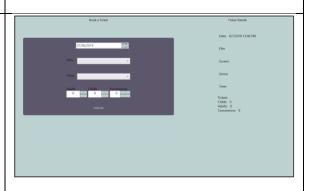
- The 'Book a Ticket' button will take you to a page which allows you to select what screening you want to view and on what date, along with the time and the type of tickets which are required.
- The 'View Chart Data' button will take you to a page which allows various types of data to be viewed. Pie charts including: ticket spreads, screening % filled, spread across genres and tickets sold across some dates - can all be viewed and analysed.
- The 'View a Screening' button will take you to a page which allows a screening to be selected and a given time, before displaying the current state of the cinema screen and what seats are available.
- The 'Overall Performance' button will take you to a page which allows the current performance for XL Cinemas to be viewed. Options including: Week Beginning, Adult Tickets Sold, Child Tickets Sold, Concession Tickets Sold, Total Tickets Sold and Total Revenue can be viewed.

Using the 'Book a Ticket' page. When using this page to complete the task of booking a ticket, simply select your desired options within the drop-down menus for each section. Begin by selecting the date which you would like to view a screening on, before choosing your preferred film. Then choose the screening time, and the types of tickets which are needed. You can then click the 'Submit' button, and you will be able to choose what seats you would like within the screen.

Using the 'View Chart Data' page.

When using this page to complete the task of viewing various data, you simply need to click on the type of pie chart you wish to view, before selecting the appropriate options within the drop downs. The pie chart will then be produced and displayed.







Assignment 3		XL Cinemas – Ticketing System User Guide
Using the 'View a Screening' page.	When using this page to complete the task of viewing the current seats which have been booked for a specific screening, you simply need to select the options for the screening including the: date, film and time. This can be completed by using the drop downs. You then need to press submit, and this will display the seats which are taken within that screening.	Book a Triber Done (07/06/2018 (53) Files v Time
Using the 'Overall Performance Page'.	When using this page to complete the task of viewing the overall performance of XL Cinemas, you will need to click on one of the options displayed across the top of the screen, and the corresponding data will then be displayed beneath this.	

Using the Ticketing System

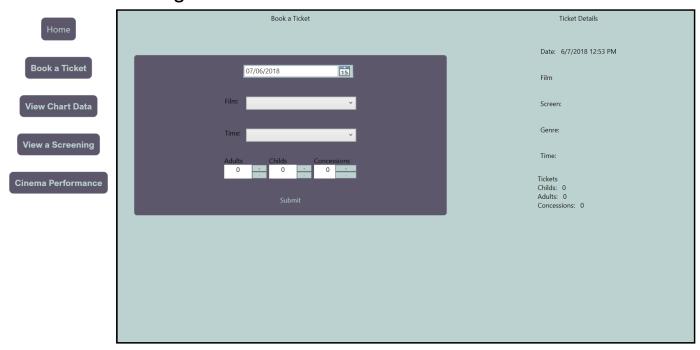
This section of the User Guide aims to detail how to use the ticketing system in it's entirety. This will include detailed instructions on how to use each page of the application, and its purpose for being included. Ensure that you read the intactness of this piece, as you will then be able to make the most of the application and use it to its full capabilities.

The Home Page



Above is an image of the start-up page for the Cinema Ticketing System. Clicking the 'Open User Guide' button at the bottom of the page would give access to this User Guide that you're currently reading. The buttons within the navigation bar to the left of the screen allow the different pages of the system to be accessed, and these are identified through the names displayed on them.

The Book a Ticket Page

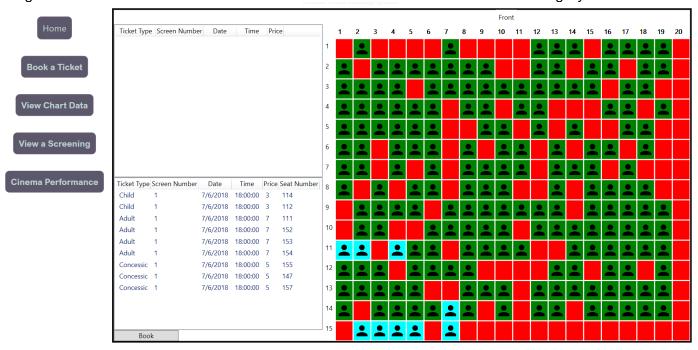


Above is an image of the Book a Ticket page, which can be navigated to through the navigation bar to the left of the screen. The left hand side of the page displays the area where you can book your ticket and choose the options which you desire. These chosen options are then replicated and displayed to the right side of the screen, beneath the "Ticket Details" section.

On the left side of the page within the "Book a Ticket" section, you can firstly begin by selecting your chosen date which you would like to book to see a screening on. Be sure to remember that only certain dates within the near future can be selected, as screenings are not made too far in advance. The 2 arrows in the above corners of the calendar grid will allow you to move into the next or previous month. After selecting the date, you can then choose from a selection of films which are available to view on your chosen date. This is within the drop down below the date selection, and you can access the options by clicking the small downwards arrow to the right and the films will then be displayed in a drop-down list. Furthermore, the available times for the film can then be seen within the next drop-down box, and this can be accessed in the same method.

After selecting what screening you would like to view and at what date and time, you can then choose how many: adults, children and concessions are needed. The '+' and '-' buttons will increase or decrease the amount of tickets selected, depending on how they're used.

The options you have selected for your tickets will be displayed to the right of the page, with the: date, film, screen, genre, time and the selection of chosen tickets. Any update to your options made will also correspond to the right and change what has been selected.



The image above now shows what will be displayed once you have submitted your tickets with your chosen options. The: ticket type, screen number, date & time and price are all displayed within the upper left of the screen. To the right of this, there is a display showing which seats are currently occupied and therefore unable to be chosen for the movie. The seats squares with a green background with a black silhouette of a person inside are occupied and therefore cannot be chosen. Proceed to choose your desired seats, and the details of these will then be added to the lower left table on the page, which will display the: ticket type, screen number, date & time, price and the seat number. If you have only chosen 2 tickets for example within the previous page, the system will not allow you to select more than 2 from the display to the right when you're choosing your seats.

At the top of the display there is a label which reads "front", and this signifies where the front of the cinema is and where the screen will be located. From this, you can then choose whether you would prefer your seats to be closer to the front or the back of the screen.



After choosing the seats, you can then click the save button in the lower left of the screen, and the display is then enlarged to show the overall number of seats taken within the screening. This is shown within the image above.

The View Chart Data Page



Above is an image of the View Chart Data page, which can be navigated to through the navigation bar to the left of the screen. Multiple charts can be viewed within this page, and changing the selected options can alter them. The 4 buttons along the top of the screen gives access to the different graphs which are available.



Beginning with the "Ticket Spread Pie Chart", you can select a date beneath the initial button to choose what date you would like the chart to populate data from. After this, you can then choose your chosen time for the date within the drop down below. The chart will then be populated with data about films shown at that specific

Assignment 3 XL Cinemas – Ticketing System User Guide time on that date, and what the percentage of: adults, children and concessions are across the number of tickets that were sold.



Clicking the next button along the top of the page, named "Screening % Filled Pie Chart", will bring up another chart display on the page. You can firstly choose the selected date and time within the options just below the initial button, and this can be done in the same method as mentioned previously. The percentage of seats that're taken and filled will then be shown within the chart, and these are appropriately labelled as seen above.



The third button along the top of the page is for the "Spread Across Genres" chart. After clicking this, begin by selecting the chosen genre from the drop down list shortly below the initial button. After selecting a genre,

Assignment 3 XL Cinemas – Ticketing System User Guide the percentage of: adults, children and concessions that're present within them will be displayed. These percentages will vary depending on how popular movies within the specific genre are with certain age groups.



The last button along the top of the page is the "Tickets Sold Across a Date" button. This can be seen in the upper right of the image above. Once clicking this, 2 date selection calendars will appear, and you can then choose your desired dates. After this, the amount of tickets and their types sold between 2 dates will then be shown.

The View a Screening Page

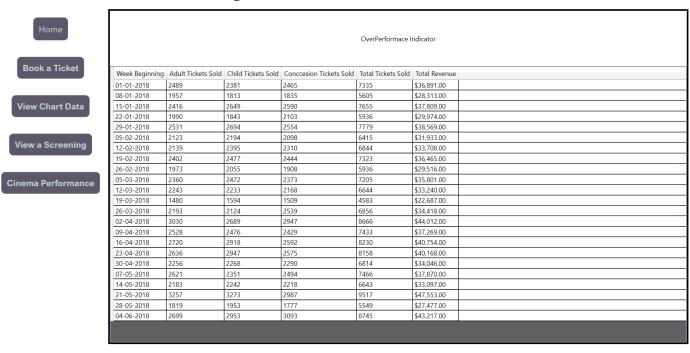


Shown within the image above, this page allows you to choose a screening at a specific date and time, and then see which seats are currently filled and which ones are available. The: date, time and screening can be selected through the drop-down options using the same method as previously. Once you have done this, you can then proceed to press the 'Submit' button, and the seats that're taken and available will be displayed on the page. This can be viewed below.

Assignment 3 XL Cinemas – Ticketing System User Guide



The Cinema Performance Page



This page displays a range of different data including the number of: adults, children and concession tickets sold within specific weeks, along with the total tickets sold and the amount of revenue which has been produced. Clicking on the drop down buttons for each option will allow you to view the given data.