Movie Mile Stone

Abstract

The project that I am currently working on is a movie theater application. By accessing this application the user will be able to purchase a movie ticket along with a seat for the showtime of his choosing. The user will use a series of inputs to navigate through the app.

Introduction

This project I am developing is in response to my software development class. It is the final project we will be working on. I am working to incorporate all the various things we learned throughout the course of the semester into this project. I have spent many hours so far on this project trying to make it as simple and efficient as possible.

Detailed System Description

This application heavily relies on the scanner function. I have also imported various java filed that will serve as helper methods throughout the course of the program. Firstly, the program asks for input from the user. The system will typically display various outputs and in response to the outputs the user will select what he wishes to do. The user will then input the specified input whether it be a string or a double or an int depending on what is required for the program to run. The user will simply enter numbers through the keyboard and the methods will do most of the work in terms of running through the program. I have tried to minimize the effort that the user must input. There is a snack and beverage combo that the user can get if he or she chooses the correct combo of snacks and beverages. They can bundle and save money by purchasing a combo. There are two classes, there is the movie methods class, and the movie class which serves as the driver. There are no super classes and no extending or implementing another class. I did create an object in the main class that is used to reference the methods in the other class.

Requirements

This project I am working on is used to tackle the issue of purchasing movie tickets. We all know it is a hassle to go to the movie theater and wait in a long line just to find out the movie we want to see is booked. In order to solve this problem I have developed this movie application. Through this application users will be able to pick the movie of their choice and purchase a drink or snack based on their choosing. Currently, I am unaware of current movie apps that allow you to purchase snacks with your ticket.

Literature Survey

There are currently some big movie theaters that have the ability to book tickets through their app. However, these are often big franchises that have a lot of money to develop their own application. I wish to target smaller movie theater franchises which do not have the money to develop their own application. I will sell my software for a certain amount of money and maintain a certain gratuity that will be give based upon the number of users that use my applications.

User Manual

The instructions for this program are quite simple. The user hits the run button and the application starts. After this, the system will print out and ask the user for their name and then issue a greeting with their name. After this the user will be asked which movie he or she wishes to see and at what time. The user will simply pick their options by typing in numbers. After this, they will be asked if they would like to confirm their spot. If they select no, then the program will be terminated. If they select yes, then they will be asked if they would like a drink. If they say then the options will be listed. If they say no then their ticket price and seat number will be displayed. If they select yes then the options will be displayed. If they want they can get a combo. After they pick what they want then their ticket price and seat number will be displayed.

Conclusion

The only thing left to finish is the method for bundling snacks and beverages. I am working to make sure users can bundle and save. The goal of this program is to make it easier and more convenient to purchase movie tickets and snacks.

UML Diagram

-low: Integer

-high: Integer

-ticket: Integer

-name: String

-alpha:String[]

-num:String[]

-make:Integer

-times:String[]

-times1:String[]

-times2:String[]

-times3:String[]

+name Capitalize(name: String)

+ticketPriceGenerator (low: Integer, high: Integer, ticket: Integer)

+seatGen (alpha:String[], num:String[])

+Converter(-make:Integer, times:String[], times1:String[], times2:String[], times3:String[])

Movie Methods