Using System;

Using System.Collections.Generic;

Namespace Test1

{

Class Program

{

Public static List<Movie> moviesList = new List<Movie>();

Public static List<Ticket> ticketsList = new List<Ticket>();

Public static void Main(string[] args)

{

DefaultValues();

System.Console.WriteLine(“\*\*\*\*\*\*\*\*\*\*\*\*”);

System.Console.WriteLine(“MOVIE TICKET BOOKING APPLICATION”);

System.Console.WriteLine(“\*\*\*\*\*\*\*\*\*\*\*\*”);

System.Console.WriteLine(“Dear viewer, Please enter the movie name do you want to watch”);

String movieTitle = “”, movieCast = “”;

Double ticketPrice = 0;

Foreach (Movie movie in moviesList) {

System.Console.WriteLine($”{movie.Id}. {movie.Title}”);

}

Try {

System.Console.Write(“Enter the movie name : “);

movieTitle = Console.ReadLine().ToLower();

System.Console.Write(“Enter the cast names (Cast names seperated by comma) “);

movieCast = Console.ReadLine();

System.Console.Write(“Enter the ticket price : “);

ticketPrice = double.Parse(Console.ReadLine());

if (movieCast == “”) {

throw new Exception(“Movie cast cannot be empty. Please provide valid value”);

}

If (movieTitle == “”) {

Throw new Exception(“Movie title cannot be empty. Please provide valid value”);

}

If (ticketPrice == 0) {

Throw new Exception(“Incorrect value for Movie price. Please provide valid value”);

}

} catch (Exception e) {

System.Console.WriteLine(e.Message);

Main(args);

}

Foreach (Movie movie in moviesList) {

If (movie.Title.Equals(movieTitle)) {

System.Console.WriteLine($”Dear Viewer you have chosen to watch : {movie.Id}”);

System.Console.WriteLine($”Movie Name : {movie.Title}\nMovie Cast : {movie.Cast}\nTicket Price : {movie.TicketPrice}”);

System.Console.WriteLine(“Do you want to buy ticket for this movie (yes or no)”);

String choice = Console.ReadLine().ToLower();

If (choice.Equals(“yes”)) {

System.Console.WriteLine(“Please enter the date on which you want to buy the tickets in dd/mm/yyyy”);

DateTime bookingDate = DateTime.ParseExact(Console.ReadLine(), “dd/MM/yyyy”, null);

System.Console.WriteLine(“How many tickets do you want ?”);

Int ticketCount = int.Parse(Console.ReadLine());

System.Console.WriteLine(“Dear viewers your movie details are as follows :”);

Double totalAmount = ticketCount \* movie.TicketPrice;

Ticket ticket = new Ticket(movie, bookingDate, ticketCount, totalAmount);

ticketsList.Add(ticket);

System.Console.WriteLine($”Movie name : {movie.Title}\nBooking date : {bookingDate}\nTotal price : {totalAmount}”);

System.Console.WriteLine(“Thank you enjoy your movie, Have a great day!”);

}

}

}

}

Public static Movie CreateMovie(string title, string cast, double price) {

Movie movie = new Movie(title, cast, price);

Return movie;

}

Public static void DefaultValues() {

Movie movie = new Movie(“bigil”, “Vijay,Nayanthara”, 100);

Movie movie1 = new Movie(“darbar”, “Rajini,sunil”, 100);

Movie movie2 = new Movie(“pattas”, “Dhanush,Sneha”, 100);

moviesList.Add(movie);

moviesList.Add(movie1);

moviesList.Add(movie2);

}

}

}

Using System;

Namespace Test1

{

Public class Ticket

{

Public Movie Movie { get; set; }

Public DateTime BookingDate { get; set; }

Public int TicketCount { get; set; }

Public double TotalAmount { get; set; }

Public Ticket(Movie movie, DateTime date, int ticketCount, double totalAmount){

Movie = movie;

BookingDate = date;

TicketCount = ticketCount;

TotalAmount = totalAmount;

}

}

}