



Assignment 5



Due April 15 at 11:59 PM



Starts Apr 4, 2022 12:01 AM

Update Ryan's Late Fee Calculator

In this exercise, you'll add new buttons to the main form that let the user add and remove movies to a database.

1. Open the project and add a RentalItem class

1. Open the up-to-date Late Fee Calculator.
2. Add a class named RentalItem to this project, and add the properties, method, and constructors that are shown in the table below.

Property	Description
MovieNo	Gets or sets an int that contains the movie's number.
Description	Gets or sets a string that contains the movie's description.
Rating	Gets or sets a string that contains the film's rating.
Method	Description
GetDisplayText()	Returns a string that contains the movie's number, description, and rating formatted like this: 1138 Star Wars PG-13. (The movie number and description are separated by four spaces(or a tab).)
Constructor	Description

Constructor	Description
<code>()</code>	Creates a <code>RentalItem</code> object with default values.
<code>(movieNo, description, rating)</code>	Creates an <code>RentalItem</code> object with the specified values.

Add code to implement the New Movie form (This form is only responsible for creating a new `RentalItem` that it will return to the Rental Maintenance Form below

3. Update the code for the New Movie form, and declare a class variable named `rentalItem` of type `RentalItem` with an initial value of null.
4. Add a public method named `GetNewRental` that displays the New Movie form as a dialog box and returns an `RentalItem` object.
5. Add code to the `btnSave_Click` event handler that creates a new `RentalItem` object and closes the form if the data is valid.

Add code to implement the Rental Maintenance form

6. Update the code for the Rental Maintenance form, and declare a class variable named `rentalItems` of type `List<RentalItem>` with an initial value of null.
7. Add a statement to the `frmRentalMaint_Load` event handler that uses the `GetMovies` method of the `RentalItemDB` class to load the items list.
8. Add code to the `FillMovieListBox` method that adds the items in the list to the Items list box. Use the `GetDisplayText` method of the `RentalItem` class to format the item data.
9. Add code to the `btnAdd_Click` event handler that creates a new instance of the New Movie form and executes the `GetNewMovie` method of that form. If the `RentalItem` object that's returned by this method is not null, this event handler should add the new item to the list, call the `SaveMovies` method of the `RentalItemDB` class to save the list, and then refresh the Items list box. Test the application to be sure this event handler works.

10. Add code to the `btnDelete_Click` event handler that

10. Add code to the `btnDelete_Click` event handler that

removes the selected movie from the list, calls the `SaveMovies` method of the `RentalItemDB` class to save the list, and refreshes the Rentals list box. Be sure to confirm the delete operation. Then, test the application to be sure this event handler works.

Change your assignment to match this new style of adding movies into the DB. This means that the work from Assignment 4 is outdated and need to be updated. Instead of having an "Add Movies" button in the calculator, you will instead have to have some functionality to "Select Movies To Return" and that should allow the user to only select *valid* movies from the `RentalItemDB` which they will be returning today.

This also means, that movies need some way to know what type of movies they are, so that the returned movies are of the correct category.

The calculator should still have the functionality to accept multiple returns in the same calculation. Therefore, you will need to come up with a solution that allows you to select one or more movies and calculate the fee for them being returned late.

Ensure that all other functionality such as customer type, total number of movies calculated and total fees are still present.

	0 Points	3 Point	5 Points
Forms	Nothing submitted	Incomplete forms	Complete garish for
Function	Nothing submitted	Working rental or movie forms	Working rental and movie forms
Clean Code	Nothing submitted	Non-functional code	Poorly named elements, functional methods



0 % 0 of 1 topics complete

Assignment No. 5 DROPBOX



Assignment



Due April 15 at 11:59 PM



Starts Apr 4, 2022 12:01 AM Ends Apr 22, 2022 8:30 AM

Submit a single zip file with the assignment to the dropbox here

This is your final assignment. Late submissions will only be accepted with the addition of inheritance.