Chapter 2

How to design a Windows Forms application

Ryan's Late Fee Calculator

Design the forms for Ryan's Late Fee Calculator

Build 1 project, with 4 forms

The Main menu form
    A late fee calculator form for New Releases
    A late fee calculator form for Library Movies
    A late fee calculator form for Kids Movies

Use the design patterns from earlier to determine access keys, whether boxes should be tab stops, read only, etc. Examples are at the end of this ppt

We will build on this app in the future

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Main Form (frmMain)

Include:

A label for the app itself
4 buttons;
    New Release – hot key N
    Library Movie – hot key L
    Kids Movie – hot key K
    Exit – hot key x

Assign Access Keys for each one, and Tab Stops as appropriate

New Releases - $2.00 per day

Include

A label and textbox for Due Date
A label and textbox for Current Date
A label and textbox for Number of Days Late
A label and textbox for Late Fee
Calculate Button
Return Button

Assign Access Keys, and Tab Stops as appropriate

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Library Movies- $0.57 per day

Include

A label and textbox for Due Date
A label and textbox for Current Date
A label and textbox for Number of Days Late
A label and textbox for Late Fee
Calculate Button
Return Button

Assign Access Keys, and Tab Stops as appropriate

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Kids Movies - $0.15 per day

Include

A label and textbox for Due Date
A label and textbox for Current Date
A label and textbox for Number of Days Late
A label and textbox for Late Fee
Calculate Button
Return Button

Assign Access Keys, and Tab Stops as appropriate

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The property settings for the Invoice Total form

Default name	Property	Setting
Form1	Text	Invoice Total
	AcceptButton	btnCalculate
	CancelButton	btnExit
	StartPosition	CenterScreen

For reference

The property settings for the controls

Default name	Property	Setting
label1	Text	&Subtotal:
	TextAlign	MiddleLeft
	TabIndex	0
label2	Text	Discount percent:
	TextAlign	MiddleLeft
label3	Text	Discount amount:
	TextAlign	MiddleLeft
label4	Text	Total:
	TextAlign	MiddleLeft
textBox1	Name	txtSubtotal
	TabIndex	1
textBox2	Name	txtDiscountPercent
	ReadOnly	True
	TabStop	False

The property settings for the controls (cont.)

textBox3	**Name**	**txtDiscountAmount**
	ReadOnly	**True**
	TabStop	**False**
textBox4	**Name**	**txtTotal**
	ReadOnly	**True**
	TabStop	**False**
button1	**Name**	**btnCalculate**
	Text	**&Calculate**
	TabIndex	**2**
button2	**Name**	**btnExit**
	Text	**E&xit**
	TabIndex	**3**

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