Programming Logic - Beginning 152-101

Math Program Evaluation Form

Name	
Score/ 20	
Update Value Make all corrections and resubmit to earn update points	

\checkmark	Update Recommended	
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		roject	
	,	point)	Appropriate project icon (can be same as window icon)
	(1/2	point)	Window file names match window object names (wndXxxx).
We	lcon	ne Screen	•
		point)	Window centered on screen
	,	point)	Window title is appropriate
		point)	Window includes application name
	•	point)	Window appearance is professional
		point)	Timer included that closes window after 5 seconds
	,	point)	Button included to start application immediately
	,	point)	Button included to exit application immediately (Cancel button)
		point)	Method documentation (grammatically correct) included for all methods
** 7•		T	
		w Layout	
	,	point)	Appropriate window icon
		point)	Window centered on screen
	,	point)	Window title is appropriate
		point)	Group boxes used to group similar items
	,	point)	Group boxes are appropriately labeled
		point)	Textboxes used to allow user to enter two numbers
		point)	Labels used to display six math equations
	•	point)	Window includes appropriate piece of clipart
		point)	All window objects appropriately labeled
	,	point)	Window objects have professional layout
	(72	point)	Tab order is appropriate
	(1/2	point)	All window objects referenced in code are appropriately named
	(1/2	point)	Button access keys are appropriate
		point)	Calculate button is window Default button
	(1/2	point)	Clear button is window Cancel button

Cal	culate Click	Event
	(½ point)	Variables created for all inputs
	(½ point)	Variables created for all outputs
	(½ point)	Inputs are integers
	(½ point)	Output are integers, except for division (double)
	(½ point)	Variables have appropriate names (camelCase), types and
		descriptions (comments)
	(½ point)	Try-Catch used to catch input errors
	(½ point)	Error message appropriate
	(½ point)	All input values properly converted to variables
	(½ point)	Equation results calculated correctly
	(½ point)	Division calculation correctly calculates a double
	(+½ point)	Try-Catch block used to prevent division by zero (or If statement)
	(½ point)	Equations use concatenation correctly
	(½ point)	Division results displayed with 2 decimal places
	(½ point)	Integer division equation displays backslash
	(½ point)	Modulus equation displays <i>mod</i>
	(½ point)	Focus set to Clear button after all processing complete
Cle	ar Click Eve	nt
	(½ point)	Two inputs cleared
	(½ point)	All output labels cleared
	(½ point)	Focus set to first number
Exi	t Click Even	t
	(½ point)	Program exits properly
Wi	ndow Initiali	zed Event
	(½ point)	DatePicker DisplayDate initialized to current date (in xaml)
	(½ point)	Welcome Screen object is initialized and displayed
	(½ point)	MainWindow is hidden until after the welcome screen is completed
Ind	lentation	
	(½ point)	Source code indented properly

		ge Point	
	_	_	If all requirements met
			t) Program inserts ÷ in division equation
		(½ poin	t) ÷ not inserted in integer division and modulus equations
		1 point) (½ poin (½ poin (½ poin (½ poin (½ poin	Version number displayed in an appropriate locationVersion number defined using a constant
	(+1	l point)	If all requirements met (limited to +1 for all unit 4 programs)
			t) Exit button anchored to bottom right
		(½ poin	
		(½ poin	t) Version number (if provided) anchored appropriately
Wi	ndov	w Level I	Occumentation
	(1/2	point)	Methods alphabetized
	(1/2	point)	Spacing used to make code readable
	(1/2	point)	Appropriate in-line comments included
		point) point)	Each method includes a purpose description. Purpose descriptions use complete sentences, grammatically correct, without spelling errors.
	(1/2	point)	Purpose descriptions are accurate
Dro	arai	m Docum	nentation
	_	point)	Documentation module created
		point)	Documentation appearance is professional
		point)	Program name included
		point)	Student's name included
		point)	Program date included
		point)	Program's purpose uses complete sentences, is grammatically correct, without
_			spelling errors.
	(1/2	point)	Program's purpose is accurate and complete
	(1/2	point)	Windows listed alphabetically
		point)	Window purpose descriptions use complete sentences, grammatically correct,
	`	1 /	without spelling errors.
	(1/2	point)	Window purpose descriptions are accurate and complete
		point) point)	Change log included (Updates only) Updates documented in change log

Program Design			
	(½ point)	btnCalc sequence of commands same in design and code	
	(½ point)	btnClear sequence of commands same in design and code	
	(½ point)	Variable and object names in code same as in design	
	(½ point)		