## **Programming Logic - Beginning** 152-101

## Rental Gas Cost Estimate Program Evaluation Form

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

	V	Update I	Recommended				
Cost Estimate Project							
	(1/2	point)	Appropriate project icon (can be same as window icon)				
	(1/2	point)	Window file names match Window object names (wdwXxxx) and				
		• ,	MainWindow.xaml name has not been changed.				
			<u> </u>				
We	lcon	ne Screen	1				
	(1/2	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				
	`	1 /	,				
Wiı	ndov	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)	Date picker used to allow user to enter estimate date				
		point)	Date picker format is Long				
		point)	Date picker displays current date in the MainWindow.xaml view				
		point)	Textboxes used to allow user to enter customer name and trip description				
		point)	Description textbox is multi-line				
		point)	Textboxes used to allow user to enter city/highway miles and MPG				
	(1/2	point)	Textbox used to allow user to enter estimated cost per gallon				
		point)	Label used to display total gallons needed				
		point)	Label used to display total trip cost				
		point)	Label used to display estimate expiration date				
		point)	Window includes appropriate piece of clipart				
		point)	All Window objects appropriately labeled				
		point)	Window objects have professional layout				
		point)	Tab order is appropriate				
		point)	All Window objects referenced in code are appropriately named				

	(½ point)	Button access keys are appropriate (isDefault, and isCancel properties set on			
_	(1/ = 0 := 4)	the correct buttons)			
	(½ point) (½ point)	Calculate button is window Accept button Clear button is window Cancel button			
_	(/2 point)	Clear button is window Cancer button			
Wi	ndow Consta	nts			
	(½ point)	Constant created for estimate expiration days (15)			
	(½ point)	Constant has appropriate name (UPPERCASE), type and description			
	(½ point)	Constant defined outside event handlers, inside window class			
Cal	culate Click	Event			
	(½ point)	Variables created for all inputs			
	-	Variables created for all outputs			
	(½ point)	Variables have appropriate names (camelCase), types and			
	` 1 /	descriptions (comments)			
	(½ point)	Miles variables are integers			
	(½ point)	MPG variables are doubles			
	(½ point)	Cost variables are decimals			
	$(\frac{1}{2} \text{ point})$	Try-Catch used to capture miles, MPG, and gas cost errors and clears the entry			
_	(1/:1)	values so the user can try again.			
	(½ point)	Error message appropriate			
	(½ point)	All input values properly converted to variables			
	(½ point)	Parse commands use appropriate variable types			
	(½ point)	Miles and gas cost are unformatted			
	(½ point)	Gallons calculated correctly			
	(½ point)	Trip cost calculated correctly			
	(½ point)	Estimate expiration date calculated correctly (uses constant)			
	(+1 point)	Gallons rounded up correctly			
	(½ point)	Gallons formatted appropriately (if not rounded)			
	(½ point)	Trip cost formatted Currency			
	(½ point)	Estimate expiration date formatted Short (or Custom)			
	(½ point)	Miles reformatted to include commas			
	(½ point)	Gas cost input formatted Currency			
	\ 1 /				
	(½ point)	Focus set to Clear button after all processing complete			
Cle	ar Click Eve	nt			
	(½ point)	Estimate date set to current date			
	(½ point)	All textboxes cleared			
_	(½ point)	All output labels cleared			
	(½ point)	Focus set to first input field after all processing complete			
Exit Click Event					
		Program exits properly			

Window Initialization						
		point)	DatePicker initialized to current date in xaml using DisplayDate property			
		point)	Create Welcome screen object and show it on start up			
	(1/2	point)	Hide MainWindow at start up so that Welcome Screen is the only window showing.			
	(1/2	point)	If user selects exit button on Welcome screen, application immediately ends			
Indentation						
	(½	point)	Source code indented properly			
		ge Points				
		_	If all requirements met (limited to +1 for all unit 4 programs)			
		` 1				
		(½ poin				
		(½ poin	<del>-</del>			
	U	(½ poin	t) Version constant added to window			
	(+1	point)	If all <b>requirements</b> met (limited to +1 for all unit 4 programs)			
		(½ poin	t) Estimate Expiration Date displayed using a custom date format			
		(½ poin	t) Custom date format is appropriate			
			If all <b>requirements</b> met (limited to +1 for all unit 4 programs)			
		(½ poin	·			
		(½ poin				
		(½ poin	t) Version number (if provided) anchored appropriately			
			Occumentation			
		point)	Methods alphabetized			
	,	point)	Spacing used to make code readable			
	(1/2	point)	Appropriate in-line comments included			
	(1/2	point)	Each method includes a purpose description.			
		point)	Purpose descriptions use complete sentences, grammatically correct, without			
	`	• /	spelling errors.			
	(1/2	point)	Purpose descriptions are accurate			

Program Documentation					
	(½ point)	Documentation module created			
	(½ point)	Documentation appearance is professional			
	(½ point)	Program name included			
	(½ point)	Student's name included			
	(½ point)	Program date included			
	(½ point)	Program's purpose uses complete sentences, is grammatically correct, without spelling errors.			
	(½ point)	Program's purpose is accurate and complete			
	(½ point)	Windows listed alphabetically			
	(½ point)	Window purpose descriptions use complete sentences, grammatically correct,			
	, 1	without spelling errors.			
	(½ point)	Window purpose descriptions are accurate and complete			
П	(½ point)	Change log included			
	(½ point)				
_	(, <b>2</b> point)	(opames only) opames accumented in change 10g			
Pro	ogram Design	1			
	(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)				