

Microsoft Visual C# 2012 Step by Step

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To ensure the ongoing accuracy of this book and its companion content, we've reviewed and confirmed the errors listed below. If you find a new error, we hope you'll report it to us on our website: www.microsoftpressstore.com/contact-us/errata.

Page	Location	Description	Date corrected
xxvii	Table, DailyRate row, Description column	Reads: This project walks you through writing your own methods, running the methods, and stepping through the method calls by using the Visual Studio 2010 debugger. Should read: This project walks you through writing your own methods, running the methods, and stepping through the method calls by using the Visual Studio 2012 debugger.	5/24/2013
15	Fourth paragraph	Reads: ... with some globally unique name such SystemConsole. Should read: ... with some globally unique name such as SystemConsole.	
17	Fifth paragraph	Reads: System.Data.DataExtensions Should read: System.Data.DataSetExtensions	
43	Table, Range column	The range of floating point numbers should be $\pm 1.5 \times 10$ to the power of -45 (superscript -45) through $\pm 3.4 \times 10$ to the power of 38 (superscript 38). The range of double should be $\pm 5.0 \times 10$ to the power of -324 (superscript -324) through $\pm 1.7 \times 10$ to the power of 308 (superscript 308).	5/24/2013
43	Bottom of page	The superscript in the primitivedata type ranges are missing. They should be reflected as follows: The range for int should be -2 to the power of 31 (31 superscript) to 2 to the power of 31 (31 superscript) -1. The range for long should be -2 to the power of 63 (63 superscript) to 2 to the power of 63 (63 superscript) -1.	5/24/2013

Page	Location	Description	Date corrected
44	Table, char row, Range column	Reads: 0 through 2 ¹⁶ -1 Should read: 2 to the 16 (superscript) - 1	5/24/2013
49	Penultimate paragraph, last sentence and last paragraph, first sentence	Reads: The first statement declares a variable named variable of type float. The second statement assigns variable the value 0.42F. Should read: The first statement declares a variable named floatVar of type float. The second statement assigns floatVar the value 0.42F.	5/24/2013
49	Third paragraph	Reads: ...the value of the item is passed to this method, which then uses this value to determine happens next. Should read: ...the value of the item is passed to this method, which then uses this value to determine what happens next.	5/24/2013
50	Second and third paragraphs	The capital letter "V" for Value should be a lower case "v" for value.	5/24/2013
51	Step 13 code block, final line	Reads: value.Text = doubeVar.ToString(); Should read: value.Text = doubleVar.ToString();	5/24/2013
51	Step 8, first sentence	Should read: 8. In the original statement in this method, change the string "to do" to intValue.ToString().	5/24/2013
54	Figures	In the first printing of this book, the two graphics incorrectly showed Primitive Data Types instead of MathsOperators. This was fixed in the reprint.	5/24/2013
57	Code block at top of page	Should read: private void addValues() { int lhs = int.Parse(lhsOperand.Text); int rhs = int.Parse(rhsOperand.Text); int outcome; // TODO: Add rhs to lhs and store the result in outcome expression.Text = lhsOperand.Text + " + " + rhsOperand.Text; result.Text = outcome.ToString(); }	
83	Last paragraph	Reads: This statement as now finished running. Should read: This statement has now finished running.	

Page	Location	Description	Date corrected
97	First paragraph, first sentence	<p>Reads: C# also provides two other binary Boolean operators: the logical AND operator, which is represented by the && symbol, and the logical OR operator, which is represented by the symbol.</p> <p>Should read: C# also provides two other binary Boolean operators: the conditional AND operator, which is represented by the && symbol, and the conditional OR operator, which is represented by the symbol. Collectively</p>	
98	Table, Unary row	<p>The following Operators for Unary should read: + = Returns the value of the operand unchanged - = Returns the value of the operand negated</p>	5/24/2013
99	Table	The Conditional AND row should be separate from the Conditional OR row.	5/24/2013
104	Step 7, first paragraph after code	<p>Reads: they are populated with the dates displayed in the firstDate and second controls on the form elsewhere in the application.</p> <p>Should read: they are populated with the dates displayed in the firstDate and secondDate controls on the form elsewhere in the application.</p>	5/24/2013
112	Step 8, last sentence	<p>Reads: If the current character being copied is a <, this code appends the string "<" to the text being output in its place.</p> <p>Should read: If the current character being copied is a <, this code appends the string "&lt;" to the text being output in its place.</p>	5/24/2013
132	Step 15, last paragraph	<p>Reads: current = current + digit;</p> <p>Should read: current = digit + current;</p>	
146, 148	Step 7 and step 2	<p>Reads: expression.Text = lhsOperand.Text + " + " + rhsOperand.Text</p> <p>Should read: expression.Text = lhsOperand.Text + " + " + rhsOperand.Text;</p>	5/24/2013
153	Last paragraph	<p>Reads: Now when exceptions such OverflowException occur...</p> <p>Should read: Now when exceptions such as OverflowException occur...</p>	5/24/2013
159	First paragraph, fourth line	<p>Reads: ...after the catch hander has run,...</p> <p>Should read: ...after the catch handler has run,...</p>	5/24/2013

Page	Location	Description	Date corrected
160	Top of page, second line	The complete code at the top of the page should mirror that on page 159 as follows: <pre> TextReader reader = ...; ... try { string line = reader.ReadLine(); while (line != null) { ... line = reader.ReadLine(); } } finally { if (reader != null) { reader.Dispose(); } </pre>	5/24/2013
163	Second paragraph	Reads: ... you'll see how C# creates objects and value types based on the definitions or classes and structures... Should read: ... you'll see how C# creates objects and value types based on the definitions of classes and structures...	5/24/2013
184	Step 5	Reads: Point bottomRight = new Point(600, 800); Should read: Point bottomRight = new Point(1366, 768);	5/24/2013
194	First paragraph, step 10	Reads: This file contains the WrappInt class Should read: This file contains the WrappedInt class	5/24/2013
195	Illustration, yellow box	Reads: param_Number Should read: param.Number	5/24/2013
210	First paragraph, last sentence	Reads: You also saw how assigning a variable of a value type (such as an int) to a variable of the System.Object class copies (or unboxes) the value in the System.Object class to the memory used by the int. Should read: You also saw how assigning a variable of a value type (such as an int) from a variable of the System.Object class copies (or unboxes) the value in the System.Object class to the memory used by the int.	5/24/2013

Page	Location	Description	Date corrected
211	Box a value row	<p>Reads: Initialize or assign a variable of type object to the value.</p> <p>Should read: Initialize or assign a variable of type object with the value.</p>	5/24/2013
219	Last code line on page	<p>Reads: int i = 99; Console.WriteLine(i.ToString()); Console.WriteLine(55.ToString());</p> <p>Should read: int i = 99; Console.WriteLine(i.ToString()); Console.WriteLine(99.ToString());</p>	5/24/2013
228	Code on bottom of page	<p>Reads:</p> <pre>public void AdvanceMonth() { this.month++; if (this.month == Month.December) { this.month = Month.January; this.year++; } }</pre> <p>Should read:</p> <pre>public void AdvanceMonth() { if (this.month == Month.December) { this.month = Month.January; this.year++; } else { this.month++; } }</pre>	
229	Penultimate paragraph on page	<p>The following should be removed from the paragraph: The final statement displays the value of the weddingAnniversaryCopy variable. Notice that is has not changed from its original value of July 4 2012.</p>	5/24/2013
229	Step 7	<p>Reads: You can see that it contains a the same date held in the weddingAnniversary variable (July 4 2012).</p> <p>Should read: You can see that it contains the same date held in the weddingAnniversary variable (July 4 2012).</p>	5/24/2013

Page	Location	Description	Date corrected
244	Step 2	<p>Reads: Open the Cards project, located in the \Microsoft Press\Visual CSharp Step By Step\Chapter 10\Windows X\Cards Using Arrays.</p> <p>Should read: Open the Cards project, located in the \Microsoft Press\Visual CSharp Step By Step\Chapter 10\Windows X\Cards folder.</p>	5/24/2013
255	Last row	<p>Reads: Declare an multidimensional array variable</p> <p>Should read: Declare a multidimensional array variable</p>	5/24/2013
260	First sentence	<p>Reads: A params array enables you pass a variable number of arguments...</p> <p>Should read: A params array enables you to pass a variable number of arguments...</p>	5/24/2013
292	Paragraph near top of page, second sentence	<p>Reads: (You can pick any integer value you want.)</p> <p>Should read: (You can pick any integer value between -1023 and 1023. Values outside of this range will cause the conversion to base 2 to overflow.)</p>	
293	Chapter 12 Quick Reference, "Call a base class constructor"	<p>Should read:</p> <pre>class Derived : Base { ... public Derived(int x) : base(x) { ... } ... }</pre>	5/24/2013
341	Last paragraph	<p>Reads: garage collector</p> <p>Should read: garbage collector</p>	5/24/2013
360	Step 4, code	<p>Reads: SetLocation(int xCoord, in yCoord);</p> <p>Should read: SetLocation(int xCoord, int yCoord);</p>	5/24/2013
361	Step 12, code	<p>Reads: SetColor(Color color);</p> <p>Should read: void SetColor(Color color);</p>	5/24/2013

Page	Location	Description	Date corrected
379	Second paragraph	<p>Reads: You can also choose to implement an indexer by using the explicit interface implementation syntax covered in Chapter 12, "Working with Inheritance."</p> <p>Should read: You can also choose to implement an indexer by using the explicit interface implementation syntax covered in Chapter 13, "Creating Interfaces and Defining Abstract Classes."</p>	5/24/2013
382	Step 2, penultimate sentence	<p>Reads: If the indexer finds the phone number, it should return it; otherwise, it should return an empty Name value.</p> <p>Should read: If the indexer finds the phone number, it should return the value from the names array at that index; otherwise, it should return an empty Name value.</p>	
383	Step 3, last paragraph, first sentence	<p>Reads: Notice that these overloaded indexers can coexist because they return different types, which means that their signatures are different.</p> <p>Should read: Notice that these overloaded indexers can coexist because each indexer has a different index type, which means that their signatures are different.</p>	
384	Step "a" (middle of page)	<p>Reads: It returns true if the string has a non-null value and false otherwise.</p> <p>Should read: It returns true if the string is empty or contains a null value, and false otherwise.</p>	5/24/2013
390	Paragraph at bottom of page	<p>Reads: The private head and tail fields keep track of where to insert an item into the array and where retrieve an item from the array.</p> <p>Should read: The private head and tail fields keep track of where to insert an item into the array and where to retrieve an item from the array.</p>	5/24/2013
411	Tip reader aid	The Tip reader aid should be removed from this page.	5/24/2013
414	Last paragraph	<p>Reads: IWrapper<T> object</p> <p>Should read: Wrapper<T> object</p>	5/24/2013
416	Code after 1st paragraph	<p>Reads: if (xHash < yHash</p> <p>Should read: if (xHash < yHash)</p>	5/24/2013

Page	Location	Description	Date corrected
435	Step 5, last sentence	Reads: (NumSize is a constant with the value 4) Should read: (NumSuits is a constant with the value 4)	5/24/2013
436	Step 8	In step 8, the incorrect line is bold. The code that should be bold should be: this.cardPack.Add(suit, cardsInSuit);	5/24/2013
451	Second paragraph	Reads: You can invoke the enumerator generated by the iterator in the usual manner, as shown in this block of code, which sorts the words in the first line of the poem "Jabberwocky" by Lewis Carroll: Should read: You can invoke the enumerator generated by the iterator in the usual manner, as shown in this block of code, which displays the words for the first line of the poem "Jabberwocky" by Lewis Carroll:	5/24/2013
453	Step 1	Should read: 19. In Solution Explorer, right-click the BinaryTree solution, point to Add, and then click New Project. Add a new project by using the Console Application template. Name the project EnumeratorTest, set the Location to \Microsoft Press\Visual Csharp Step By Step\Chapter 19\Windows X\BinaryTree in your Documents folder, and then click OK.	5/24/2013
458	Third paragraph, after code	Reads: A delegate is an object refers to a method. Should read: A delegate is an object that refers to a method.	5/24/2013
460	Top of page, second sentence	Reads: These methods take a Func delegate as the parameter. Should read: These are extension methods from the System.Linq assembly, and they take a Func delegate as the parameter.	
464	Second bulleted item, first line of code	Should read: private delegate void stopMachineryDelegate();	5/24/2013
465	First paragraph after code	Reads: When the customer wants to place on order,... Should read: When the customer wants to place an order,...	5/24/2013
503, 514	Code sample near top of page	Reads: citiesAndCustomers Should read: countriesAndCustomers	5/24/2013

Page	Location	Description	Date corrected
506	First paragraph	All the code in the body of the doWork method should be bold.	
524	Paragraph above table	Reads: operands Should read: operators	5/24/2013
561	Last paragraph	Reads: Additionally, if you have nested loops such as occur in this code... Should read: Additionally, if you have nested loops such as those that occur in this code,...	
567	Sample code block	Reads: CancellationToken cancellationToken = cancellationToken.Token; Should read: CancellationToken cancellationToken = cancellationTokenSource.Token;	5/24/2013
580	Sample code at top of page	Should read: private bool handleException(Exception e) { if (e is DivideByZeroException) { displayErrorMessage("Division by zero occurred"); return true; } if (e is IndexOutOfRangeException) { displayErrorMessage("Array index out of bounds"); return true; } return false; }	5/24/2013
585	Middle of first paragraph	Reads: ...leave the user interface thread-free to handle user interactions. Should read: ...leave the user interface thread free to handle user interactions.	5/24/2013
618	Last paragraph	Reads: In the SerialPI method, ... an obvious area that can parallelized. Should read: In the SerialPI method, ... an obvious area that can be parallelized.	

Page	Location	Description	Date corrected
623	"Summary" section, first paragraph	<p>Reads: Asynchronous methods are based on tasks, and the await operator specifies the points at which a task can be used perform asynchronous processing.</p> <p>Should read: Asynchronous methods are based on tasks, and the await operator specifies the points at which a task can be used to perform asynchronous processing.</p>	5/24/2013
638	Step 6	<p>Reads: ...and before the closing</Page> tag:</p> <p>Should read: ..., after the existing TextBlock control and before the closing </Grid> tag:</p>	5/24/2013
641	Step 12	The value of the Margin property should read: 420, 240, 0, 0	5/24/2013
653	Step 2	<p>Reads: </Grid.RowDefinitions></p> <p>Should read: </Grid.RowDefinitions></p>	5/24/2013
654	Top of page, third line of code	The word "Center" should be bold.	5/24/2013
663	Steps 6 and 7	<p>Step 6 should read: <Grid.RowDefinitions> ... </Grid.RowDefinitions> <TextBlock Grid.Row="0" Grid.Column="0" HorizontalAlignment="Center" TextWrapping="Wrap" Text="ID" VerticalAlignment="Center" FontSize="20"/> <TextBlock Grid.Row="1" Grid.Column="0" HorizontalAlignment="Center" TextWrapping="Wrap" Text="Title" VerticalAlignment="Center" FontSize="20"/> <TextBlock Grid.Row="2" Grid.Column="0" HorizontalAlignment="Center" TextWrapping="Wrap" Text="First Name" VerticalAlignment="Center" FontSize="20"/> <TextBlock Grid.Row="3" Grid.Column="0" HorizontalAlignment="Center" TextWrapping="Wrap" Text="Last Name" VerticalAlignment="Center" FontSize="20"/></p> <p>Step 7 should read: <TextBlock Grid.Row="3" Grid.Column="0" HorizontalAlignment="Center" TextWrapping="Wrap" Text="Last Name" VerticalAlignment="Center" FontSize="20"/> <TextBox Grid.Row="0" Grid.Column="1" x:Name="cld" HorizontalAlignment="Stretch" TextWrapping="Wrap" Text="" VerticalAlignment="Center" FontSize="20"/></p>	5/24/2013

Page	Location	Description	Date corrected
666	Step 2 code	<p>Should read:</p> <pre><VisualStateManager.VisualStateGroups> <VisualStateGroup> <VisualState x:Name="FullScreenLandscape"/> <VisualState x:Name="FullScreenPortrait"/> <VisualState x:Name="Filled"/> <VisualState x:Name="Snapped"> <Storyboard> <ObjectAnimationUsingKeyFrames Storyboard.TargetName="customersTabularView" Storyboard.TargetProperty="Visibility"> <DiscreteObjectKeyFrame KeyTime="0" Value="Collapsed"/> </ObjectAnimationUsingKeyFrames> <ObjectAnimationUsingKeyFrames Storyboard.TargetName="customersColumnarView" Storyboard.TargetProperty="Visibility"> <DiscreteObjectKeyFrame KeyTime="0" Value="Visible"/> </ObjectAnimationUsingKeyFrames> </Storyboard> </VisualState> </VisualStateGroup> </VisualStateManager.VisualStateGroups></pre>	5/24/2013
667	"Use The Visual State Manager to Modify the Layout" exercise, step 4	<p>Between steps 3 and 4, please add the following using statement to the list at the top of the file:</p> <pre>using Windows.UI.Core;</pre>	
673	Para 13	<p>Should read:</p> <p>Add the following styles to the AppStyles.xaml file:</p> <pre><Style x:Key="HeaderStyle" TargetType="TextBlock" BasedOn="{StaticResource FontStyle}"> ... </Style> <Style x:Key="TabularHeaderStyle" TargetType="TextBlock" BasedOn="{StaticResource HeaderStyle}"> <Setter Property="FontSize" Value="70"/> </Style> <Style x:Key="ColumnarHeaderStyle" TargetType="TextBlock" BasedOn="{StaticResource HeaderStyle}"> <Setter Property="FontSize" Value="50"/> </Style></pre>	5/24/2013
685	Step 8, fifteenth line of code	<p>The following code fragment should be bold:</p> <pre>Text="{Binding Phone}"</pre>	5/24/2013

Page	Location	Description	Date corrected
710	Step 10	<p>Read:</p> <p>... and after a short delay of up to 1 second, the Next button should be enabled. This time, the IsAtEnd property of the ViewModel is true, so the CanExecute method of the Command object for the Next button returns true and the command is disabled.</p> <p>Should read:</p> <p>... and after a short delay of up to 1 second, the Next button should be disabled. This time, the IsAtEnd property of the ViewModel is true, so the CanExecute method of the Command object for the Next button returns false and the command is disabled.</p>	5/24/2013
710	Note reader aid	<p>The first two sentences of the reader aid should be deleted so that it begins with the following sentence:</p> <p>If you require a more instantaneous reaction to the change in state of commands,...</p>	5/24/2013
718	Step 16	<p>Reads:</p> <p>In the LoadState method, comment out the following two lines of code highlighted in bold:</p> <p>Should read:</p> <p>In the LoadState method, comment out the following line of code highlighted in bold.</p>	5/24/2013
734	Diagram	<p>Reads:</p> <p>Windows Store apps use the data service query and update data.</p> <p>Should read:</p> <p>Windows Store apps use the data service to query and update data.</p>	5/24/2013
761	Code at bottom of page	<p>The following code should be bold:</p> <pre>// If the user is creating a new customer, // add it to the collection for the WCF Data Service if (this.IsAdding) { this.Current.rowguid = Guid.NewGuid(); this.connection.AddToCustomers(this.Current); }</pre>	
773	First row in the table	<p>Reads:</p> <p>...and select the tables that your require.</p> <p>Should read:</p> <p>...and select the tables that you require.</p>	5/24/2013