Code Complete, Second Edition

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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
65	"JavaScript" section, first sentence	Reads: JavaScript is an interpreted language that is loosely... Should read: JavaScript is an interpreted language that was originally loosely…	11/19/2010
81	First paragraph	Reads: ...the number of routines called from within a routine or from within a class... Should read: ...the number of routines called from within a routine or the number of classes used within a class…	11/19/2010
140	Second paragraph, second sentence	Reads: In this case, the client code is intended to use the Address type for addresses but the header file exposes the implementation detail that addresses are stored as Strings. Should read: In this case, the client code is intended to use the JobClassification type for job class, but the header file exposes the implementation detail that job class is stored as an integer. ["JobClassification" should be formatted in italics]	12/12/2014
226	First code sample, second line; paragraph after code sample	First code sample, second line reads: ErrorCode Error Should read: ErrorCode ErrorToReport Paragraph after the code sample reads: …variable error... Should read: …variable errorToReport…	11/19/2010

Page	Location	Description	Date corrected
229	Second paragraph	Reads: Now look again at the spec on page 000 and the initial pseudocode on page 000. Should read: Now look again at the spec on page 221 and the initial pseudocode on page 224.	11/19/2010
240	"Use Naming Conventions" section	Reads: ...common suffixes such as Option Explicit and No... Should read: ...common suffixes such as Num and No...	11/19/2010

266	Second code sample	Reads:
		if (recalcNeeded == True)
		
		Should read:
		if (recalcNeeded == false)
			11/19/2010

Page	Location	Description	Date corrected

267	Second and third code examples	Second code example reads:
		C++ Example of an Uninformative "Temporary" Variable Name
		// Compute roots of a quadratic equation.
		// This assumes that (b^2-4*a*c) is positive.
		temp = sqrt(b^2 - 4*a*c);
		root[0] = (-b + temp) / (2 * a);
		root[1] = (-b - temp) / (2 * a);
		
		Should read:
		C++ Example of an Uninformative "Temporary" Variable Name
		// Compute solutions of a quadratic equation.
		// This assumes that (b^2-4*a*c) is positive.
		Temp = sqrt(b^2 - 4*a*c);
		solution[0] = (-b + temp) / (2 * a);
		solution[1] = (-b - temp) / (2 * a);
		
		Third code sample reads:
		C++ Example with a "Temporary" Variable Name Replaced with a Real Variable
		// Compute roots of a quadratic equation.
		// This assumes that (b^2-4*a*c) is positive. Discriminant = sqrt(b^2 - 4*a*c);
		root[0] = (-b + discriminant) / (2 * a);
		root[1] = (-b - discriminant) / (2 * a);
		
		Should read:
		C++ Example with a "Temporary" Variable Name Replaced with a Real Variable
		// Compute solutions of a quadratic equation.
		// This assumes that (b^2-4*a*c) is positive. Discriminant = sqrt(b^2 - 4*a*c);
		solution[0] = (-b + discriminant) / (2 * a);
		solution[1] = (-b - discriminant) / (2 * a);
			11/19/2010

294-295	"10.4 Scope" section	Reads: 100,000 Should read: 1,000,000	11/19/2010
295	First paragraph	Reads: 727,379,968 Should read: -727,379,968	11/19/2010
311	"12.8 Scope" section, last paragraph	Reads: Or course... Should read: Of course…	12/12/2014

Page	Location	Description	Date corrected
330	First code sample	Reads: C++ Example Should read: C Example	4/8/2011
330	Fourth paragraph	Reads: You can force errors... Should read: In C, you can force errors…	11/19/2010
330	Fourth paragraph, fourth line	Reads: C++ Should read: C	11/19/2010
330	Fifth paragraph, first line	Reads: Or course... Should read: Of course…	4/8/2011
330-332	Chapter 13 code	The lines of code beginning with "memset(pointer" should be removed.	11/19/2010
331	Penultimate line	Reads: It can also check for a null return ... Should read: It can also be checked for an exception or a null return …	11/19/2010
333		Reads: Sometimes, however, you would like to have the semantics of a pass by reference... Should read: Sometimes, however, you would like to have the semantics of a pass by value…	11/19/2010
333		Reads: ...with the implementation of a pass by value... Should read: ...with the implementation of a pass by reference…	11/19/2010

Page	Location	Description	Date corrected
402-405	Chapter 17 code	In the code samples in the following locations: Page 402, first code sample, fourth line from bottom; Page 403, first code sample, third line from bottom; Page 404, first code sample, third line from bottom; Page 405, first code sample, fifth line from bottom. Reads: Wend Should read: End While	11/19/2010
422	Fourth and tenth lines	Fourth line: change the first "}" to "};" Tenth line: change the last "}" to "};"	11/19/2010

422	Second code example	Reads:
		AbstractField*field[Field_Last+1];
		
		Should read:
		AbstractField* field[Field_Last+1];
			8/3/2012

422	Second code sample	Reads:
		AbstractField* field[Field_Last];
		
		Should read:
		AbstractField* field[Field_Last+1];
			11/19/2010

423	Code sample	Reads: and Should read: &&	11/19/2010

423	Code sample	Reads:
		fieldIdx = 1; while ((fieldIdx <= numFieldsInMessage) && (fileStatus == OK)) { fieldType = fieldDescription[fieldIdx].FieldType; fieldName = fieldDescription[fieldIdx].FieldName; field[fieldType].ReadAndPrint(fieldName, fileStatus); }
		
		Should read:
		fieldIdx = 1; while ((fieldIdx <= numFieldsInMessage) && (fileStatus == OK)) { fieldType = fieldDescription[fieldIdx].FieldType; fieldName = fieldDescription[fieldIdx].FieldName; field[fieldType].ReadAndPrint(fieldName, fileStatus); fieldIdx++; }
			11/19/2010

512	Table, Case 8	Reads: line 15 Should read: line 12	11/19/2010

Page	Location	Description	Date corrected
606	"Additional Resources" section	Reads: ...releated to performance... Should read: ...related to performance…	12/12/2014
610	Third paragraph	Reads: Once you've determined that x is greater than 5... Should read: Once you've determined that x is not greater than 5…	11/19/2010
613	Second paragraph	Two instances. Reads: C++ Should read: C#	11/19/2010
614	Table, Time Savings column, VB row	Reads: 258% Should read: -258%	11/19/2010

619	First code sample	Reads:
		if (i == count)
		
		Should read:
		if (i == count - 1)
			11/19/2010

641	First code sample	Reads:
		var index: integer; lowerByte: byte; upperByte: byte; targetIndex: integer;
		
		Should read:
		var index: integer; targetIndex: integer;
			11/19/2010

655	Second paragraph, second and third sentences	Reads: Barry Boehm and Richard Turner found that spending about five percent of total project costs on architecture produced the lowest cost for projects in the 10,000-lines-of-code range. But for projects in the 100,000-lines-of-code range, spending 15â€“20 percent of project effort on architecture produced the best results (Boehm and Turner 2004). Should read: Barry Boehm and Richard Turner found that spending about five percent of total project costs on architecture and requirements produced the lowest cost for projects in the 10,000-lines-of-code range. But for projects in the 100,000-lines-of-code range, spending 15â€“20 percent of project effort on architecture and requirements produced the best results (Boehm and Turner 2004).	11/19/2010

Page	Location	Description	Date corrected

752	Middle code sample	Reads:
		if (mainColor = BallColor_White
		
		Should read:
		if (mainColor == BallColor_White
		
		Reads:
		if (mainColor = BallColor_Blue
		
		Should read:
		if (mainColor == BallColor_Blue
			11/19/2010

758	Three quarters down page	Reads: In Listing 31-45 Should read: In Listing 31-47	11/19/2010

770	Code sample, twenty-third line	Reads:
		// find the arithmetic maximum of arg1 and arg2
		
		Should read:
		// find the arithmetic minimum of arg1 and arg2
			11/19/2010

779	Second code sample, fifth line from bottom	Reads:
		for (primeCandidate = 1;
		
		Should read:
		for (primeCandidate = 2;
			11/19/2010

779	First code sample	Reads:
		for (i = 1;
		
		Should read:
		for (i = 2;
			11/19/2010

858	Second paragraph from bottom	Reads: write: ACM, PO Box 12114, Church Street Station, New York, NY 10257 Should read: see www.acm.org. Microsoft Press is committed to providing informative and accurate books. All comments and corrections listed above are ready for inclusion in future printings of this book. If you have a later printing of this book, it may already contain most or all of the above corrections.	11/19/2010