

API Design for C++

By Martin Reddy

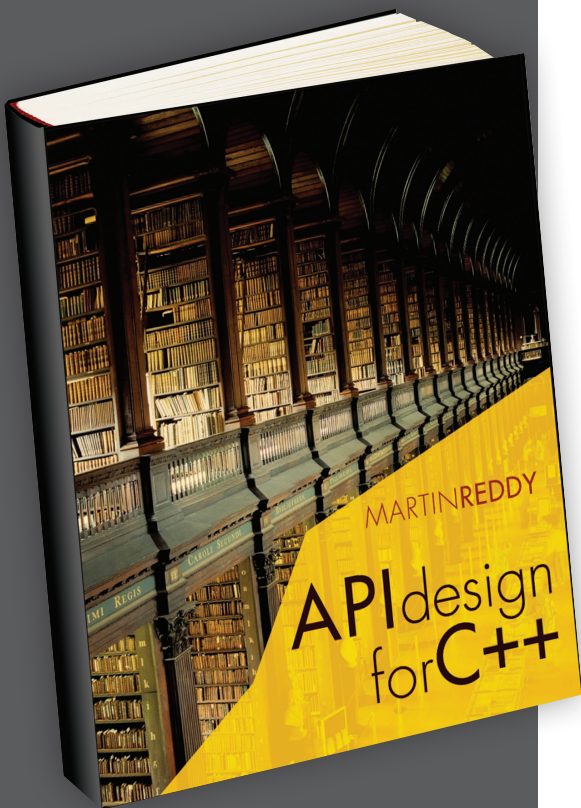
9780123850034 | Paperback | 472 pages

About the book:

The design of application programming interfaces can affect the behavior, capabilities, stability, and ease of use of end-user applications. With this book, you will learn how to design a good API for large-scale long-term projects. With extensive C++ code to illustrate each concept, *API Design for C++* covers all of the strategies of world-class API development. Martin Reddy draws on over fifteen years of experience in the software industry to offer in-depth discussions of interface design, documentation, testing, and the advanced topics of scripting and plug-in extensibility. Throughout, he focuses on various API styles and patterns that will allow you to produce elegant and durable libraries.

Key Features:

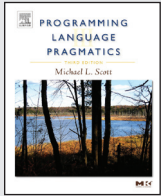
- The only book that teaches the strategies of C++ API development, including design, versioning, documentation, testing, scripting, and extensibility
- Extensive code examples illustrate each concept, with fully functional examples and working source code for experimentation available online
- Covers various API styles and patterns with a focus on practical and efficient designs for large-scale long-term projects



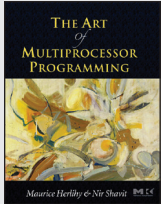
Martin Reddy draws from his experience on large scale, collaborative software projects to present patterns and practices that provide real value to individual developers as well as organizations. API Design for C++ explores often overlooked issues, both technical and non-technical, contributing to successful design decisions that produce high quality, robust, and long-lived APIs.

—Eric Gregory, Software Architect, Pixar Animation Studios

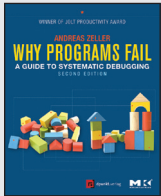
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About the Author:

Dr. Martin Reddy is the founder and CEO of the software consultancy firm Code Reddy Inc. He holds a Ph.D. in Computer Science and has over 15 years of experience in the software industry. During this time, he has written 3 software patents and has published over 40 professional articles and a book on 3D computer graphics. Dr. Reddy worked for 6 years at Pixar Animation Studios where he was lead engineer for the studio's in-house animation system. This work involved the design and implementation of various APIs to support several Academy Award-winning and nominated films, such as "Finding Nemo", "The Incredibles", "Cars", "Ratatouille", and "Wall-E." Dr. Reddy currently works for Linden Lab on the Second Life Viewer, an online 3D virtual world that has been used by over 16 million users around the world. His work is currently focused on a radical redesign of the Second Life Viewer, putting in place a suite of robust APIs to enable extensibility and scriptability.

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