

Preface

This book has been a much longer process than I would have ever anticipated. The original idea was to integrate and combine the research on software product quality control with my then colleagues Florian Deissenboeck and Elmar Juergens, which we have done in close collaboration with industry to help practitioners in implementing quality control in practice. As life goes on, however, Florian and Elmar decided to start their own company, and, over time, it became clear that they cannot spend enough time on this book project. Hence, in 2011, I bravely decided to write the book on my own.

This led to some changes in the content, shifting away from areas I personally have not worked in so much, to other areas I could contribute more personal experience. In addition, I was the project leader for the consortium project Quamoco which had its focus on quality models and quality evaluation. The project and its result strongly influenced this book. I am very happy to be able to report on the results of this project which allowed me to integrate many things we have done before into a comprehensive approach.

I hope this book will be useful for practitioners, students and researchers interested in and working on software product quality assurance and quality control. I tried to be concise in the book so that it is possible to quickly understand all the concepts but at the same time give enough depth so that you can directly apply the techniques and approaches. In particular, I concentrated on reporting several practical experiences we have made with the techniques from the book hoping they can be models for other companies.

This book represents a summary of a lot of research that I have done over the last 10 years. Naturally, it is impossible to thank everybody who has contributed to this research in some way. I have to restrict myself to the ones directly contributing to what led to the contents of the book, and even then, I fear I will forget many who helped, supported and worked with me over the years. I thank Florian Deissenboeck and Elmar Juergens for starting this project with me and the lot of interesting research we have done together. I am grateful to Ivan Bogicevic, Martin Feilkas, Mario Gleirscher, Dimitriy Golubitskiy, Markus Herrmannsdoerfer, Benjamin Hummel, Maximilian Irlbeck, Klaus Lochmann, Daniel Méndez Fernández,

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