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INTRODUCTION

Why this supplement?

The first edition of “What is Software Quality?” was written during the COVID-19 crisis we all suffered in 2020, a pandemic induced by the SARS-CoV-2 virus. It was imperative to mitigate contamination to the maximum extent possible by keeping distance and maintaining high levels of hygiene. Besides being warned not to shake hands anymore, people were asked to work from home office as much as possible. Inexorably, working from home highly relied on IT, which, in turn, highly relied on software running the internet. In particular, it was during this period that I once again realized how much we, as a society, depend on software.

For the irrefutably prominent role of software in all aspects of our lives, the quality of software is paramount.

When reading books and articles about quality assurance in software, I often get the impression that quality in software is only about testing. In my humble opinion, it is not. Even though testing is a necessity, because we are not able to produce error-free software, software quality is much more than just testing.

The first edition of the book “What is Software Quality?” provides a holistic view on software quality. In addition to addressing testing to achieve quality, it also looks into internal software quality and what enables quality. The book aims to provide an overall picture on what matters in software development and why.

When the book was published January 1st 2021, I received a first round of feedback and reactions. Some sections seemed to miss in the

book. For example, readers asked why I did not address process reference models like CMMI and ASPICE. As you may conclude from the first edition of the book, I value craftsmanship above processes. However, I realized that that is not a reason not to address process reference models and they should have been in. Additionally, other topics came into my mind to be added as well.

That's why a second edition of the book will be prepared, with extra sections, covering: process reference models like CMMI and ASPICE, Build, Installation and Deployment, Open Source Software, SOLID, Traceability, Safety, Security and Legislation, Debugging and Culture. These models all play an important role in today's software development as well.

In order to share this added information, also with the people who already purchased the first edition of "What is Software Quality?", I've written this supplement. This supplement only contains the in the second edition to be added chapters and sections, resulting in that the first edition together with this supplement contain the same information as the second edition of "What is Software Quality?" will contain.

How this book is organized

This supplement contains the same chapters as the second edition of "What is Software Quality?" will contain. Regarding chapters which were already available in the first edition of the book, a summary will be included. If additions are made to the corresponding chapter, these will be added in this chapter. If no additions are made to a specific chapter, only the summary will be listed.