



Requirements Engineering: A Good Practice Guide

By Ian Sommerville, Pete Sawyer

Download now

Read Online ➔

Requirements Engineering: A Good Practice Guide By Ian Sommerville, Pete Sawyer

Requirements engineering is the process of discovering, documenting and managing the requirements for a computer-based system. The goal of requirements engineering is to produce a set of system requirements which, as far as possible, is complete, consistent, relevant and reflects what the customer actually wants. Although this ideal is probably unattainable, the use of a systematic approach based on engineering principles leads to better requirements than the informal approach which is still commonly used. This book presents a set of guidelines which reflect the best practice in requirements engineering. Based on the authors' experience in research and in software and systems development, these guidelines explain in an easy-to-understand way how you can improve your requirements engineering processes. The guidelines are applicable for any type of application and, in general, apply to both systems and software engineering. The guidelines here range from simple 'common sense' to those which propose the introduction of complex new methods. The guidelines and process improvement schemes have been organised so that you can pick and choose according to your problems, goals and available budget. There are few dependencies between guidelines so you can introduce them in any order in your organisation. Guidelines presented in the book

- are consistent with ISO 9000 and CMM
- are ranked with cost/benefit analysis
- give implementation advice
- can be combined and applied to suit your organisation's needs
- are supported by a web page pointing to RE tools and resources

 [Download Requirements Engineering: A Good Practice Guide ...pdf](#)

 [Read Online Requirements Engineering: A Good Practice Guide ...pdf](#)

Requirements Engineering: A Good Practice Guide

By Ian Sommerville, Pete Sawyer

Requirements Engineering: A Good Practice Guide By Ian Sommerville, Pete Sawyer

Requirements engineering is the process of discovering, documenting and managing the requirements for a computer-based system. The goal of requirements engineering is to produce a set of system requirements which, as far as possible, is complete, consistent, relevant and reflects what the customer actually wants. Although this ideal is probably unattainable, the use of a systematic approach based on engineering principles leads to better requirements than the informal approach which is still commonly used. This book presents a set of guidelines which reflect the best practice in requirements engineering. Based on the authors' experience in research and in software and systems development, these guidelines explain in an easy-to-understand way how you can improve your requirements engineering processes. The guidelines are applicable for any type of application and, in general, apply to both systems and software engineering. The guidelines here range from simple 'common sense' to those which propose the introduction of complex new methods. The guidelines and process improvement schemes have been organised so that you can pick and choose according to your problems, goals and available budget. There are few dependencies between guidelines so you can introduce them in any order in your organisation. Guidelines presented in the book

- are consistent with ISO 9000 and CMM
- are ranked with cost/benefit analysis
- give implementation advice
- can be combined and applied to suit your organisation's needs
- are supported by a web page pointing to RE tools and resources

Requirements Engineering: A Good Practice Guide By Ian Sommerville, Pete Sawyer Bibliography

- Sales Rank: #1503710 in Books
- Published on: 1997-05-05
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .87" w x 7.54" l, 1.65 pounds
- Binding: Paperback
- 404 pages

 [Download Requirements Engineering: A Good Practice Guide ...pdf](#)

 [Read Online Requirements Engineering: A Good Practice Guide ...pdf](#)

Editorial Review

Amazon.com Review

Defining what the customer wants is often a difficult aspect of creating successful software. However, Ian Sommerville and Pete Sawyer handle the topic with intelligence and depth in *Requirements Engineering: A Good Practice Guide*. The authors provide practical advice on how to make sure you deliver quality software that the customer wants and needs, all within budget.

The text first outlines what requirements engineering is and how it fits into the software engineering process. The authors then use a question-and-answer approach, short chapters, and highlighted tips to show how to define and develop a process for creating reliable software in your organization. Sommerville and Sawyer consider some ad hoc ways to improve your customer requirements documents and some more rigorous approaches, such as ISO 9000 standards for software engineering and formal specifications (where the correctness of software can be proved mathematically). *Requirements Engineering* can be a little dry, but it covers a vital area of software design that can benefit almost all developers.

From the Publisher

"A marvellous book...a unique focus on what practicing engineers need to know." - Watts Humphrey, Software Engineering Institute. This book presents a set of guidelines which reflect the best practice in requirements engineering. Based on the authors' experience in research and in software and systems development, these guidelines explain in an easy-to-understand way how you can improve your requirements engineering processes. The guidelines are applicable for any type of application and apply to both systems and software engineering. The guidelines presented in the book are consistent with ISO 9000 and CMM, are ranked with cost/benefit analysis, give implementation advice, can be combined and applied to suit your organization's needs, and are supported by a web page pointing to RE tools and resources.

From the Back Cover

"A marvellous book.a unique focus on what practising engineers need to do." Watts Humphrey, Software Engineering Institute, USA Requirements Engineering A good practice guide Find more RE resources at this web support site <http://www.comp.lancs.ac.uk/computing/resources/re-gpg/> Visit our Web page!

<http://www.wiley.com/compbooks/> Requirements engineering is the process of discovering, documenting and managing the requirements for a computer-based system. The goal of requirements engineering is to produce a set of system requirements which, as far as possible, is complete, consistent, relevant and reflects what the customer actually wants. Although this ideal is probably unattainable, the use of a systematic approach based on engineering principles leads to better requirements than the informal approach which is still commonly used. This book presents a set of guidelines which reflect the best practice in requirements engineering. Based on the authors' experience in research and in software and systems development, these guidelines explain in an easy-to-understand way how you can improve your requirements engineering processes. The guidelines are applicable for any type of application and, in general, apply to both systems and software engineering. The guidelines here range from simple 'common sense' to those which propose the introduction of complex new methods. The guidelines and process improvement schemes have been organised so that you can pick and choose according to your problems, goals and available budget. There are few dependencies between guidelines so you can introduce them in any order in your organisation.

Guidelines presented in the book

- * are consistent with ISO 9000 and CMM

- * are ranked with cost/benefit analysis

- * give implementation advice
- * can be combined and applied to suit your organisation's needs
- * are supported by a web page pointing to RE tools and resources

Users Review

From reader reviews:

Tammy Jones:

The book Requirements Engineering: A Good Practice Guide can give more knowledge and also the precise product information about everything you want. So why must we leave a very important thing like a book Requirements Engineering: A Good Practice Guide? Several of you have a different opinion about guide. But one aim which book can give many facts for us. It is absolutely proper. Right now, try to closer with your book. Knowledge or details that you take for that, it is possible to give for each other; it is possible to share all of these. Book Requirements Engineering: A Good Practice Guide has simple shape nevertheless, you know: it has great and large function for you. You can look the enormous world by wide open and read a guide. So it is very wonderful.

Mae Bushee:

This Requirements Engineering: A Good Practice Guide book is not ordinary book, you have after that it the world is in your hands. The benefit you have by reading this book will be information inside this publication incredible fresh, you will get details which is getting deeper you actually read a lot of information you will get. This Requirements Engineering: A Good Practice Guide without we understand teach the one who looking at it become critical in imagining and analyzing. Don't possibly be worry Requirements Engineering: A Good Practice Guide can bring once you are and not make your bag space or bookshelves' turn out to be full because you can have it in the lovely laptop even telephone. This Requirements Engineering: A Good Practice Guide having very good arrangement in word in addition to layout, so you will not experience uninterested in reading.

Denise Swann:

This Requirements Engineering: A Good Practice Guide is completely new way for you who has attention to look for some information since it relief your hunger of knowledge. Getting deeper you onto it getting knowledge more you know otherwise you who still having small amount of digest in reading this Requirements Engineering: A Good Practice Guide can be the light food to suit your needs because the information inside this specific book is easy to get by means of anyone. These books produce itself in the form which is reachable by anyone, that's why I mean in the e-book form. People who think that in e-book form make them feel sleepy even dizzy this publication is the answer. So there is not any in reading a book especially this one. You can find what you are looking for. It should be here for anyone. So , don't miss the idea! Just read this e-book sort for your better life as well as knowledge.

Robert Jackson:

As a student exactly feel bored in order to reading. If their teacher expected them to go to the library or even make summary for some reserve, they are complained. Just small students that has reading's heart or real their pastime. They just do what the teacher want, like asked to go to the library. They go to generally there but nothing reading seriously. Any students feel that reading through is not important, boring and also can't see colorful photos on there. Yeah, it is for being complicated. Book is very important for you personally. As we know that on this age, many ways to get whatever we wish. Likewise word says, many ways to reach Chinese's country. Therefore , this Requirements Engineering: A Good Practice Guide can make you really feel more interested to read.

Download and Read Online Requirements Engineering: A Good Practice Guide By Ian Sommerville, Pete Sawyer #20WRJYGLZ3F

Read Requirements Engineering: A Good Practice Guide By Ian Sommerville, Pete Sawyer for online ebook

Requirements Engineering: A Good Practice Guide By Ian Sommerville, Pete Sawyer Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Requirements Engineering: A Good Practice Guide By Ian Sommerville, Pete Sawyer books to read online.

Online Requirements Engineering: A Good Practice Guide By Ian Sommerville, Pete Sawyer ebook PDF download

Requirements Engineering: A Good Practice Guide By Ian Sommerville, Pete Sawyer Doc

Requirements Engineering: A Good Practice Guide By Ian Sommerville, Pete Sawyer Mobipocket

Requirements Engineering: A Good Practice Guide By Ian Sommerville, Pete Sawyer EPub

20WRJYGLZ3F: Requirements Engineering: A Good Practice Guide By Ian Sommerville, Pete Sawyer