



Software Development: An Open Source Approach (Chapman & Hall/CRC Innovations in Software Engineering and Software Development Series)

By Allen Tucker, Ralph Morelli, Chamindra de Silva

[Download now](#)

[Read Online](#) 

Software Development: An Open Source Approach (Chapman & Hall/CRC Innovations in Software Engineering and Software Development Series) By

Allen Tucker, Ralph Morelli, Chamindra de Silva

To understand the principles and practice of software development, there is no better motivator than participating in a software project with real-world value and a life beyond the academic arena. **Software Development: An Open Source Approach** immerses students directly into an agile free and open source software (FOSS) development process. It focuses on the methodologies and goals that drive the development of FOSS, combining principles with real-world skill building, such as debugging, refactoring, and writing.

The text explains the software development process through an integration of FOSS principles, agile techniques, modern collaboration tools, community involvement, and teamwork. The authors highlight the value of collaboration as a fundamental paradigm for software development. They show how an effective development team can often create better quality software than an individual working in isolation.

Written by experienced software developers and educators, this book enables students to gain a rich appreciation of the principles and practice of FOSS development. It also helps them become better writers, programmers, and software community members.

Web Resource

The book's companion website provides a wealth of resources:

- Downloadable FOSS development projects, including design documents, use cases, and code bases
- A discussion forum for instructors and students to share their experiences and exchange ideas about particular issues raised by these projects

- Supporting materials for common FOSS development tasks, such as setting up a version control system, an IDE, a project code base, and a unit test suite
- Additional exercises that reflect a wide variety of software projects and other activities

 [Download Software Development: An Open Source Approach \(Cha...pdf](#)

 [Read Online Software Development: An Open Source Approach \(C...pdf](#)

Software Development: An Open Source Approach (Chapman & Hall/CRC Innovations in Software Engineering and Software Development Series)

By Allen Tucker, Ralph Morelli, Chamindra de Silva

Software Development: An Open Source Approach (Chapman & Hall/CRC Innovations in Software Engineering and Software Development Series) By Allen Tucker, Ralph Morelli, Chamindra de Silva

To understand the principles and practice of software development, there is no better motivator than participating in a software project with real-world value and a life beyond the academic arena. **Software Development: An Open Source Approach** immerses students directly into an agile free and open source software (FOSS) development process. It focuses on the methodologies and goals that drive the development of FOSS, combining principles with real-world skill building, such as debugging, refactoring, and writing.

The text explains the software development process through an integration of FOSS principles, agile techniques, modern collaboration tools, community involvement, and teamwork. The authors highlight the value of collaboration as a fundamental paradigm for software development. They show how an effective development team can often create better quality software than an individual working in isolation.

Written by experienced software developers and educators, this book enables students to gain a rich appreciation of the principles and practice of FOSS development. It also helps them become better writers, programmers, and software community members.

Web Resource

The book's companion website provides a wealth of resources:

- Downloadable FOSS development projects, including design documents, use cases, and code bases
- A discussion forum for instructors and students to share their experiences and exchange ideas about particular issues raised by these projects
- Supporting materials for common FOSS development tasks, such as setting up a version control system, an IDE, a project code base, and a unit test suite
- Additional exercises that reflect a wide variety of software projects and other activities

Software Development: An Open Source Approach (Chapman & Hall/CRC Innovations in Software Engineering and Software Development Series) By Allen Tucker, Ralph Morelli, Chamindra de Silva
Bibliography

- Sales Rank: #2402364 in Books
- Brand: Brand: CRC Press
- Published on: 2011-01-19
- Original language: English

- Number of items: 1
- Dimensions: 1.00" h x 6.30" w x 9.30" l, 1.45 pounds
- Binding: Hardcover
- 400 pages

 [Download Software Development: An Open Source Approach \(Cha ...pdf](#)

 [Read Online Software Development: An Open Source Approach \(C ...pdf](#)

Download and Read Free Online Software Development: An Open Source Approach (Chapman & Hall/CRC Innovations in Software Engineering and Software Development Series) By Allen Tucker, Ralph Morelli, Chamindra de Silva

Editorial Review

Review

Software, which makes all of this data processing possible, must be robust, dependable, and easy to use. Accordingly, people who develop software should use sound methodologies to achieve these properties; this book helps with just that. ... clearly and thoroughly explains the fundamental concepts of software development, with the help of many figures and tables. ... Although the book is heavily centered on free and open-source software, and is organized as a textbook, individual programmers and teams of programmers can easily use it as a guide.

?*Computing Reviews*, February 2012

Integrating project work in computing courses is highly valuable. Project-driven learning experiences are enhanced when students are exposed to real-life problems and actually engaged with community partners, whether industry, business, or nonprofit organizations. While all this sounds very convincing in theory, making it a reality is a big challenge. **Software Development: An Open Source Approach** is an excellent resource for teachers and students to take on this challenge. The book's RMH Homebase case study and web site supporting materials, RMH Homebase code base releases, and staging server setup instructions transform an individual reading experience of a well-written textbook into a collective software development effort that is productive, effective, and, above all, captivating.

?Mihaela Sabin, University of New Hampshire, Manchester, USA

About the Author

Allen B. Tucker is the Anne T. and Robert M. Bass Professor Emeritus at Bowdoin College in Brunswick, Maine. Dr. Tucker is an ACM Fellow and Distinguished Lecturer and a member of the Humanitarian FOSS Project's executive committee. He has published papers in the areas of programming languages, software development, natural language processing, and curriculum development.

Ralph A. Morelli is a professor of computer science at Trinity College in Hartford, Connecticut. Dr. Morelli is one of the principal investigators of the Humanitarian FOSS Project. He has published papers in the areas of artificial intelligence, FOSS, and computer science education.

Chamindra de Silva is the CTO and director of the Sahana Project, which provides a free and open source disaster management system. He is also a co-founder of the Humanitarian FOSS Community and an advisory board member of the Humanitarian FOSS Project. He has participated in many governmental and NGO projects in Pakistan, the Philippines, Peru, the United States, China, and Haiti.

For more information on the Humanitarian FOSS Project, visit its website.

Users Review

From reader reviews:

Gilbert Johnson:

Often the book Software Development: An Open Source Approach (Chapman & Hall/CRC Innovations in Software Engineering and Software Development Series) will bring you to definitely the new experience of reading any book. The author style to spell out the idea is very unique. When you try to find new book to study, this book very acceptable to you. The book Software Development: An Open Source Approach (Chapman & Hall/CRC Innovations in Software Engineering and Software Development Series) is much recommended to you to see. You can also get the e-book from the official web site, so you can easier to read the book.

Robert Marques:

Are you kind of occupied person, only have 10 or maybe 15 minute in your day to upgrading your mind skill or thinking skill even analytical thinking? Then you are receiving problem with the book in comparison with can satisfy your short period of time to read it because all of this time you only find e-book that need more time to be go through. Software Development: An Open Source Approach (Chapman & Hall/CRC Innovations in Software Engineering and Software Development Series) can be your answer mainly because it can be read by an individual who have those short spare time problems.

William Meadows:

As a university student exactly feel bored in order to reading. If their teacher requested them to go to the library in order to make summary for some book, they are complained. Just minor students that has reading's soul or real their pastime. They just do what the trainer want, like asked to the library. They go to at this time there but nothing reading significantly. Any students feel that looking at is not important, boring and can't see colorful pics on there. Yeah, it is being complicated. Book is very important in your case. As we know that on this time, many ways to get whatever you want. Likewise word says, many ways to reach Chinese's country. So , this Software Development: An Open Source Approach (Chapman & Hall/CRC Innovations in Software Engineering and Software Development Series) can make you really feel more interested to read.

Mildred Olsen:

What is your hobby? Have you heard which question when you got college students? We believe that that issue was given by teacher to their students. Many kinds of hobby, Everybody has different hobby. And you also know that little person just like reading or as studying become their hobby. You have to know that reading is very important in addition to book as to be the matter. Book is important thing to increase you knowledge, except your personal teacher or lecturer. You find good news or update in relation to something by book. Amount types of books that can you choose to use be your object. One of them is this Software Development: An Open Source Approach (Chapman & Hall/CRC Innovations in Software Engineering and Software Development Series).

Download and Read Online Software Development: An Open Source Approach (Chapman & Hall/CRC Innovations in Software Engineering and Software Development Series) By Allen Tucker, Ralph Morelli, Chamindra de Silva #JGEL7B2WFZM

Read Software Development: An Open Source Approach (Chapman & Hall/CRC Innovations in Software Engineering and Software Development Series) By Allen Tucker, Ralph Morelli, Chamindra de Silva for online ebook

Software Development: An Open Source Approach (Chapman & Hall/CRC Innovations in Software Engineering and Software Development Series) By Allen Tucker, Ralph Morelli, Chamindra de Silva 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 Software Development: An Open Source Approach (Chapman & Hall/CRC Innovations in Software Engineering and Software Development Series) By Allen Tucker, Ralph Morelli, Chamindra de Silva books to read online.

Online Software Development: An Open Source Approach (Chapman & Hall/CRC Innovations in Software Engineering and Software Development Series) By Allen Tucker, Ralph Morelli, Chamindra de Silva ebook PDF download

Software Development: An Open Source Approach (Chapman & Hall/CRC Innovations in Software Engineering and Software Development Series) By Allen Tucker, Ralph Morelli, Chamindra de Silva Doc

Software Development: An Open Source Approach (Chapman & Hall/CRC Innovations in Software Engineering and Software Development Series) By Allen Tucker, Ralph Morelli, Chamindra de Silva Mobipocket

Software Development: An Open Source Approach (Chapman & Hall/CRC Innovations in Software Engineering and Software Development Series) By Allen Tucker, Ralph Morelli, Chamindra de Silva EPub