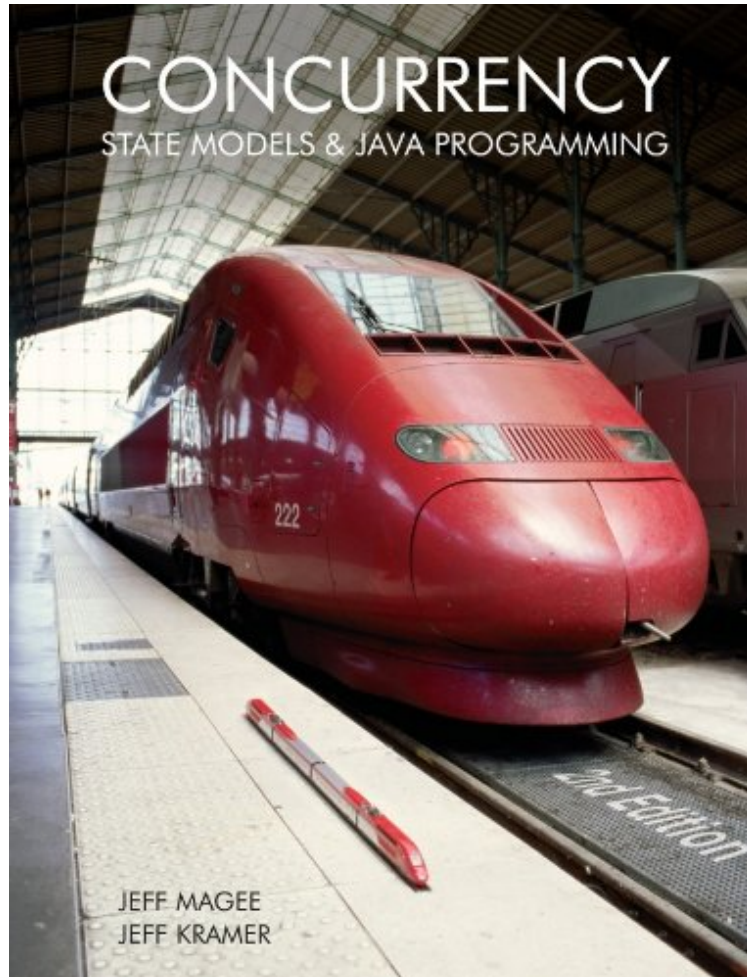


(Download free ebook) Concurrency: State Models and Java Programs

Concurrency: State Models and Java Programs

Von *Jeff Magee, Jeff Kramer*
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Von Jeff Magee, Jeff Kramer : Concurrency: State Models and Java Programs before purchasing it in order to gage whether or not it would be worth my time, and all praised Concurrency: State Models and Java Programs:

KundenrezensionenHilfreichste Kundenrezensionen6 von 6 Kunden fanden die folgende Rezension hilfreich. Gutes LehrbuchVon Ein KundeMit Hilfe des Buches ist man in der Lage, sich in das anspruchsvolle Thema Nebenlufigkeit einzuarbeiten. Alles wird anhand von Beispielen erlutert und befindet sich auf der mitgelieferten CD-Rom. Dort findet man auch die Software, um die Beispielaufgaben zu bearbeiten. Die englische Sprache stellt insofern kein Hindernis dar, da alles in verstndlichen Worten erklrt wird. Sie hilft sogar, da man zur Sicherheit alles noch einmal durchliest und somit noch besser versteht. Das erlernte Wissen kann in den Aufgaben am Ende der einzelnen Kapitel gefestigt und erweitert werden. Das Einzige, was dem Buch fehlen knnte, sind Hilfen zu den Lsungen der einzelnen Aufgaben. Also entweder Lsungsanstze oder die komplette Lsung. Trotzdem ist das Buch ein gelungenes Werk. (Dies ist eine .de an der Uni-Studentenrezension.)2 von 2 Kunden fanden die folgende Rezension hilfreich. This is could be a classic CS

book Von Robert Fielding This book does not belong with other Java books. This is a real computer science textbook that should be sitting next to Rivest's Algorithms book. The use of Java is incidental and makes the book very accessible without detracting from the issues at hand. It has to be one of the most well conceived computer science books ever written. The material covered is maddeningly difficult to master informally because concurrency errors often manifest themselves as rare, random, and disastrous events that cannot be reproduced. Most of the book is laying down a solid formal foundation in which to reason about concurrency; the only hope for getting it right when things are difficult. It also comes with analysis tools (in Java of course!) to help people who learn by exploration, experimentation, and visualisation.

1 von 1 Kunden fanden die folgende Rezension hilfreich. Excellent Textbook on Concurrency Theory and Practice Von Wolfgang Emmerich (we@acm.org) I have used Magee and Kramer's book (or rather their manuscript) twice in the UG programme of the Dept. of Computer Science at University College London. I used it to teach a 30 hours course on Concurrency to final year BSc students in Computer Science. The book is very appealing for several reasons: Firstly, it is the only available book that provides an engineering discipline to concurrency. It covers both a sound introduction to the theory of concurrency and practical guidelines how to design concurrent programs using the UML and Java. Secondly, the book is nicely written indeed. The concepts are well motivated, the intriguingly difficult theory of concurrency is well explained and the book is full of examples that show both theory and practice of Concurrency. Thirdly, the book is not only a book; it's a nicely bound package. It comes with Java demonstration applets that I used to visualize concurrency concepts, such as Monitors, Mutual Exclusion and Fairness in the class room. Moreover, the book includes a CD with a tool that students (and professors) can use for modelling and model checking purposes. The tool implements labelled transition systems analysis and supports visualization of label transition system execution. Finally the web site that accompanies the book is full of exercises and exam questions and model answers are available too. Using this material was a truly positive experience.

Kurzbeschreibung Concurrency provides a thoroughly updated approach to the basic concepts and techniques behind concurrent programming. Concurrent programming is complex and demands a much more formal approach than sequential programming. In order to develop a thorough understanding of the topic Magee and Kramer present concepts, techniques and problems through a variety of forms: informal descriptions, illustrative examples, abstract models and concrete Java examples. These combine to provide problem patterns and associated solution techniques which enable students to recognise problems and arrive at solutions. New features include: New chapters covering program verification and logical properties. More student exercises. Supporting website contains an updated version of the LTSA tool for modelling concurrency, model animation, and model checking. Website also includes the full set of state models, java examples, and demonstration programs and a comprehensive set of overhead slides for course presentation.

Pressestimmen... "this well written book [...] will be useful to those designing distributed systems" --Computing s, June 2000

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