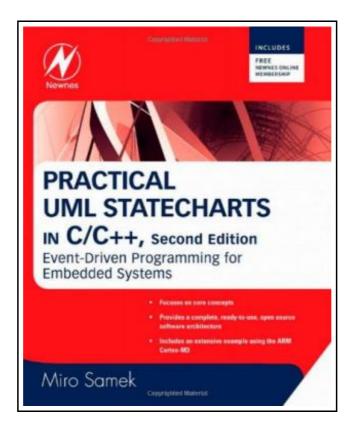
Practical UML Statecharts in C/C++: Event-Driven Programming for Embedded Systems



Filesize: 3.42 MB

Reviews

If you need to adding benefit, a must buy book. It really is writter in straightforward words and phrases rather than difficult to understand. Your life period is going to be change the instant you total reading this ebook.

(Letha Okuneva)

PRACTICAL UML STATECHARTS IN C/C++: EVENT-DRIVEN PROGRAMMING FOR EMBEDDED SYSTEMS



CRC Press, 2008. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface PART I STATECHARTS Chapter 1 Whirlwind Tour of Programming with Statecharts 1.1 Why Bother? 1.2 The Traditional Event-Action Paradigm 1.3 State Machines? A Better Way of Programming 1.3.1 The Time Bomb Example 1.3.2 The Calculator Example 1.5 Object-Oriented Analogy 1.6 The Event-driven Framework 1.6 Summary Chapter 2 A Crash Course in Statecharts 2.1 The Essence of Finite State Machines 2.2 The Essence of UML Statecharts 2.3 Examples of State Models 2.4 Summary Chapter 3 Standard State Machine Implementations 3.1 State Machine Interface 3.2 Nested switch Statement 3.3 State Table 3.4 State Design Pattern 3.5 Optimal FSM Implementation 3.6 State Machines and C++ Exception Handling 3.7 Role of Pointer-to-Member Functions 3.8 Implementing Guards, Junctions, and Choice Points 3.9 Implementing Entry and Exit Actions 3.10 Dealing with State Hierarchy 3.11 Summary Chapter 4 QEP: A Minimal Hierarchical Event Processor 4.1 General Structure of the QEP Event Processor 4.2 An Annotated Example (QHsm) 4.3 QEP Structure 4.3.1 QEP Source Code Structure 4.3.2 Internal Representation of a State Machine 4.3.3 Initialization of a State Machine 4.3.4 Dispatching Events to a FSM 4.3.5 Executing a Transition in a FSM 4.3.6 Dispatching Events to a HSM 4.3.7 Executing a Transition in a HSM 4.3.8 Static Transition Optimization in a HSM 4.4 Porting and Configuring QEP 4.5 Caveats 4.6 Summary Chapter 5 Implementing State Machines with QEP 5.1 Implementing a HSM with QEP 5.1.1 Step 1: Enumerating Signals 5.1.2 Step 2: Defining Events 5.1.3 Step 3: Defining the QCalc State Machine 5.1.4 Step 4: Declaring the QCalc States 5.1.5 Step 5: Initializing the HSM 5.1.6 Step 6: Implementing the State Handler Functions 5.2 Implementing a FSM with QEP 2.5 Pitfalls to Avoid While Coding State Machines with QEP...

- Read Practical UML Statecharts in C/C++: Event-Driven Programming for Embedded Systems Online
- Download PDF Practical UML Statecharts in C/C++: Event-Driven Programming for Embedded Systems

Relevant Kindle Books



Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)

HarperCollins, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+Customer Service! Summary: Foreword by Raph Koster. Introduction. I. EXECUTIVE CONSIDERATIONS. 1. The Market. Do We Enter the Market? Basic Considerations. How...

Read PDF »



Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep

CreateSpace Independent Publishing Platform, 2013. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: "Star Flights Bedtime Spaceship" is a charming and fun story with the purpose to help children...

Read PDF »



Maisy's Christmas Tree

Candlewick, 2014. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: The final scene of the gang caroling around the tree, complete with paper crowns from British Christmas crackers, is...

Read PDF »



The Web Collection Revealed, Premium Edition: Adobe Dreamweaver CS6, Flash CS6, and Photoshop CS6 (Stay Current with Adobe Creative Cloud)

Cengage Learning, 2012. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: You can now maximize and integrate the design and development power of Adobe Creative Suite 6 with WEB...

Read PDF »



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

Read PDF »