



JavaOneSM

Sun's 2002 Worldwide Java Developer Conference™

Certification Roundtable

Simon Brown
Technical Architect
Concise Group Ltd

Daniel Jepp
Analyst
DrKW

Overall Session Goal

Help and guidelines for anybody starting out, or following the Java™ certification process.

Learning Objectives

- As a result of this session, you will be able to:
 - Understand more about the certification process and the program
 - Understand more the knowledge required for the various certifications
 - Feel more confident in facing the exams
- This is an **interactive** session - it's **your** session

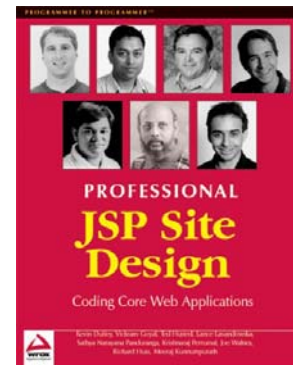
Speaker's Qualifications

- Simon is a Technical Architect with Concise
 - A leading J2EE solutions provider in London
- Sun Certified (SCJP, SCJD, SCWCD, SCEA)
- Writes & speaks frequently on Java & J2EE
 - Professional JSP, 2nd edition
 - Professional Java Servlets 2.3
 - Professional JSP Tag Libraries (April 2002)



Speaker's Qualifications

- Daniel is a Analyst with DrKW
 - A leading investment bank
- Over 3 years use of Java (J2SE/J2EE)
- Sun Certified (SCJP, SCJD)
- Speaks frequently on Java & J2EE
- Technical reviewer for Wrox Press



Key Topic Areas

- Sun Certified Programmer for the Java™ 2 Platform
- Sun Certified Developer for the Java™ 2 Platform
- Sun Certified Web Component Developer for the Java™ 2 Platform, Enterprise Edition
- Sun Certified Enterprise Architect for the Java™ 2 Platform, Enterprise Edition



Let's have a show of hands...

Sun Certified Programmers for the
Java™ 2 Platform



Let's have a show of hands...

Sun Certified Developers for the
Java™ 2 Platform



Let's have a show of hands...

Sun Certified Web Component
Developers for the Java™ 2 Platform,
Enterprise Edition

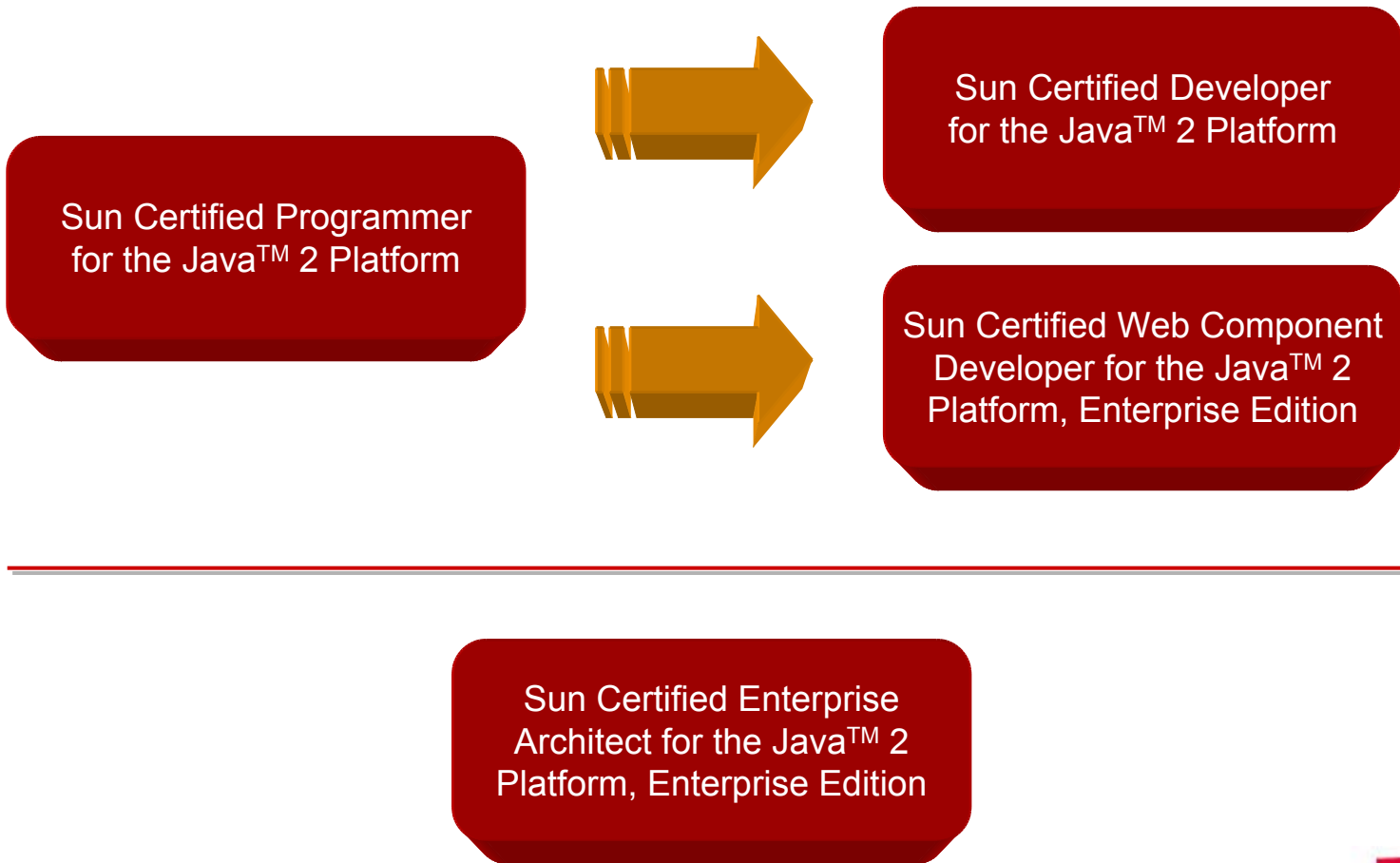


Let's have a show of hands...

Sun Certified Enterprise Architects for
the Java™ 2 Platform, Enterprise
Edition



Certification Roadmap



Q&A

Sun Certified Programmer for the Java™ 2 Platform

Required Skills

- The Java language and syntax
 - Basic language features
 - Basic OO principles
- The core Java APIs, including
 - IO
 - Collections
 - AWT and event handling
 - Threading

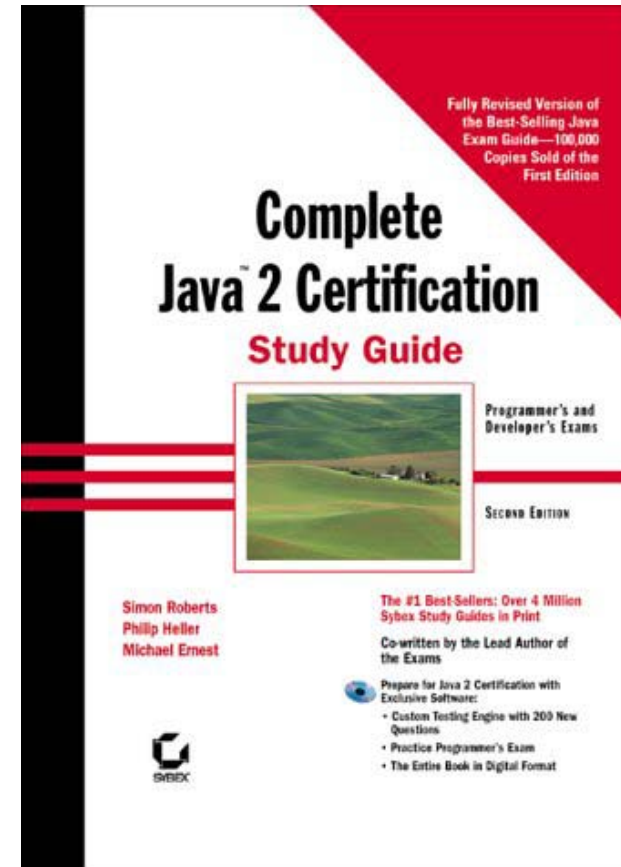
Recommendations

- Buy a book
- Play with the Java Development Kit
- Look at JavaRanch
 - <http://www.javaranch.com>
 - “The Big Moose Saloon”



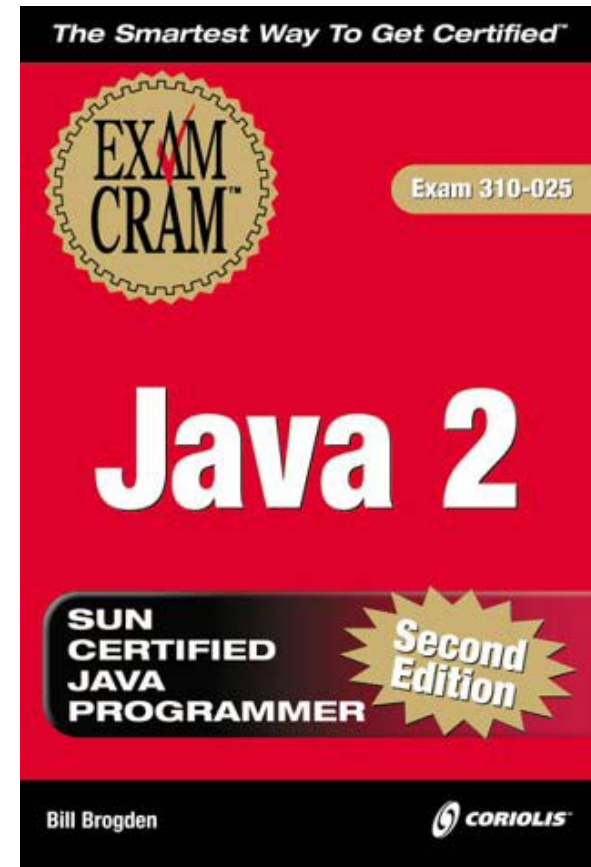
Suggested Reading

- Complete Java 2 Certification Study Guide
 - Simon Roberts, Phillip Heller, Michael Ernest
 - Sybex
 - ISBN 0782128254



Suggested Reading

- Java 2
 - Bill Brogden
 - Coriolis Group
 - ISBN 158880139X



Sun Certified Developer for the Java™ 2 Platform

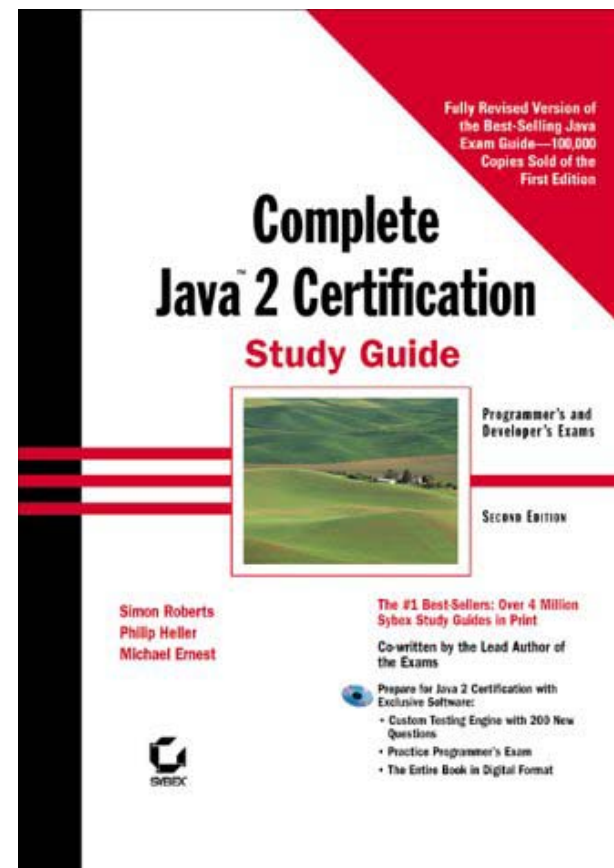
Required Skills

- Knowledge of the Java language and core APIs, additionally
 - Swing, RMI or sockets
- The ability to understand and interpret user requirements
- Object oriented design
- The ability to choose and justify your design in the light of alternatives



Suggested Reading

- Complete Java 2 Certification Study Guide
 - Simon Roberts, Phillip Heller, Michael Ernest
 - Sybex, October 2000
 - ISBN 0782128254



Sun Certified Web Component Developer for the Java™ 2 Platform, Enterprise Edition

Required Skills

- Understand technologies in the J2EE web tier
 - Java Servlets
 - JavaServer Pages
 - JSP tag libraries (custom tags)
- Additionally, patterns for best practice and good design
 - Model 1 and model 2 architectures
 - Front controller, intercepting filter, etc

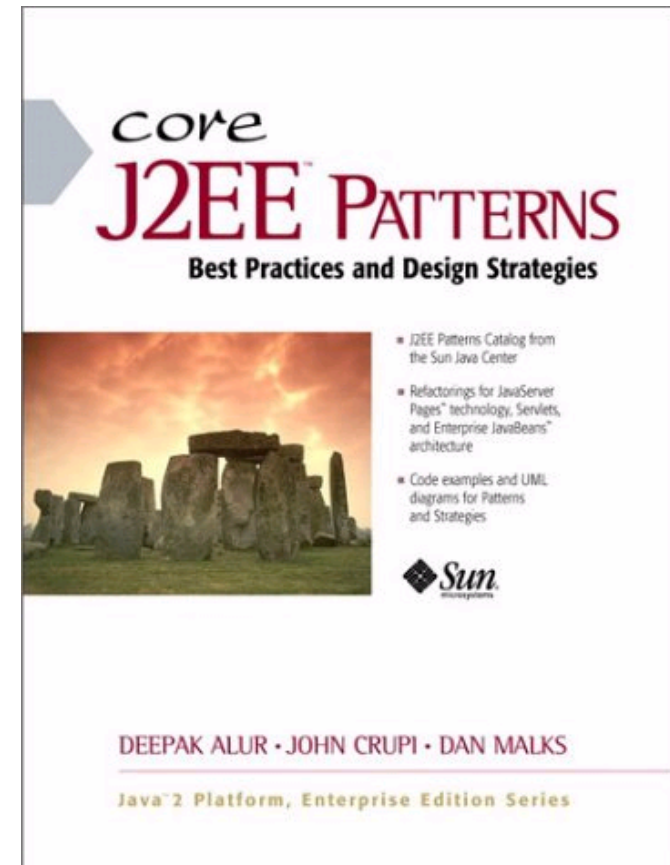
Recommendations

- Take a look at the Servlet 2.3 and JSP 1.2 specifications
- Play with the official reference implementation, Tomcat
 - Downloadable from <http://jakarta.apache.org>
- Look at JavaRanch
 - <http://www.javaranch.com>
 - “The Big Moose Saloon”



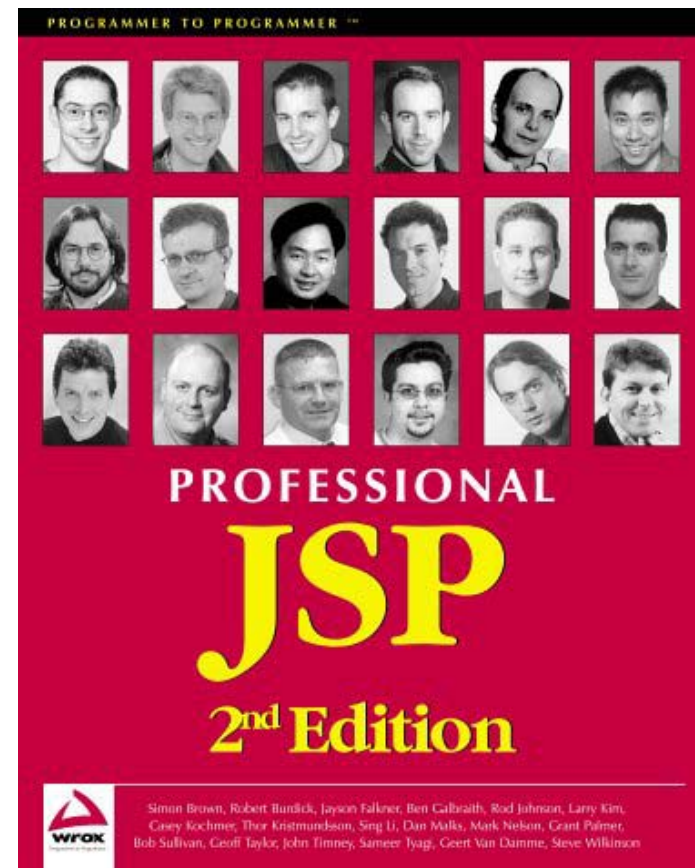
Suggested Reading

- Core J2EE Patterns
 - Deepak Alur, John Crupi, Dan Malks
 - Prentice Hall, June 2001
 - ISBN 0130648841



Suggested Reading

- Professional JSP (2nd edition)
 - Simon Brown et al
 - Wrox Press, April 2001
 - ISBN 1861004958



Suggested Reading

- Professional Java Servlets 2.3
 - John Bell et al
 - Wrox Press, January 2002
 - ISBN 186100561X



Suggested Reading

- Professional JSP Tag Libraries
 - Simon Brown
 - Wrox Press, April 2002
 - ISBN 1861006217



Sun Certified Enterprise Architect for the Java™ 2 Platform, Enterprise Edition

Required Skills

- Higher level than SCJD and SCWCD
 - Aimed at architects rather than developers
- J2EE architectures (including basic security)
- J2EE technologies and when they are most applicable (i.e. EJB, servlets, JSP, messaging)
- J2EE good design and patterns
- Protocols
- Legacy connectivity
- Knowledge of UML and modelling
 - Component, class, sequence, use case diagrams



Suggested Reading

- Sun Certified Enterprise Architecture for J2EE Technology Study Guide
 - Mark Cade, Simon Roberts
 - Sun Microsystems Press, March 2002
 - ISBN 0130449164



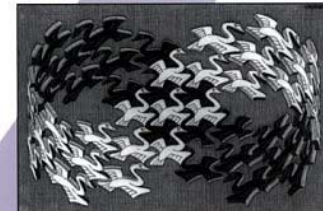
Suggested Reading

- Design Patterns
 - “The Gang of Four”
 - Addison Wesley, Dec 1994
 - ISBN 0201633612

Design Patterns

Elements of Reusable
Object-Oriented Software

Erich Gamma
Richard Helm
Ralph Johnson
John Vlissides



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Foreword by Grady Booch

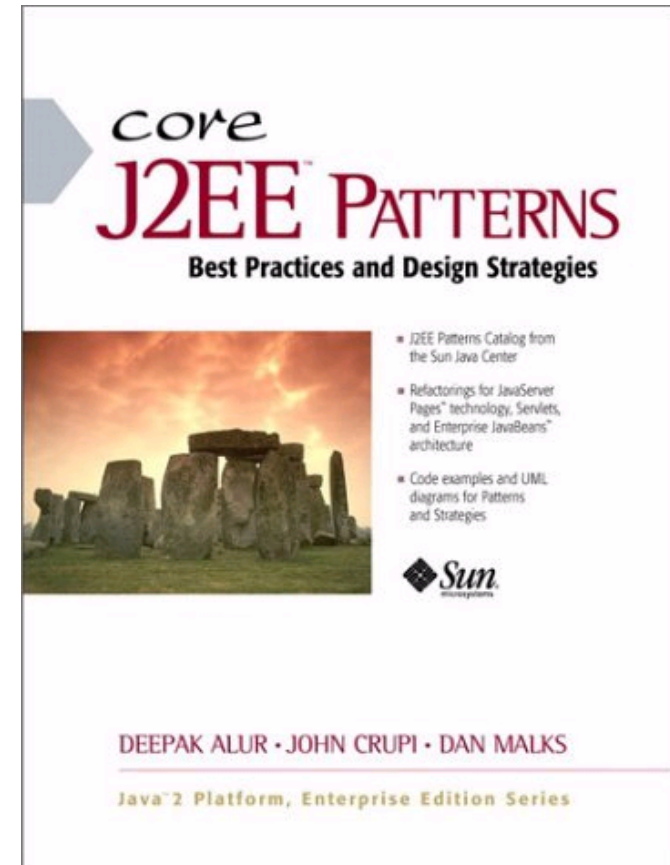


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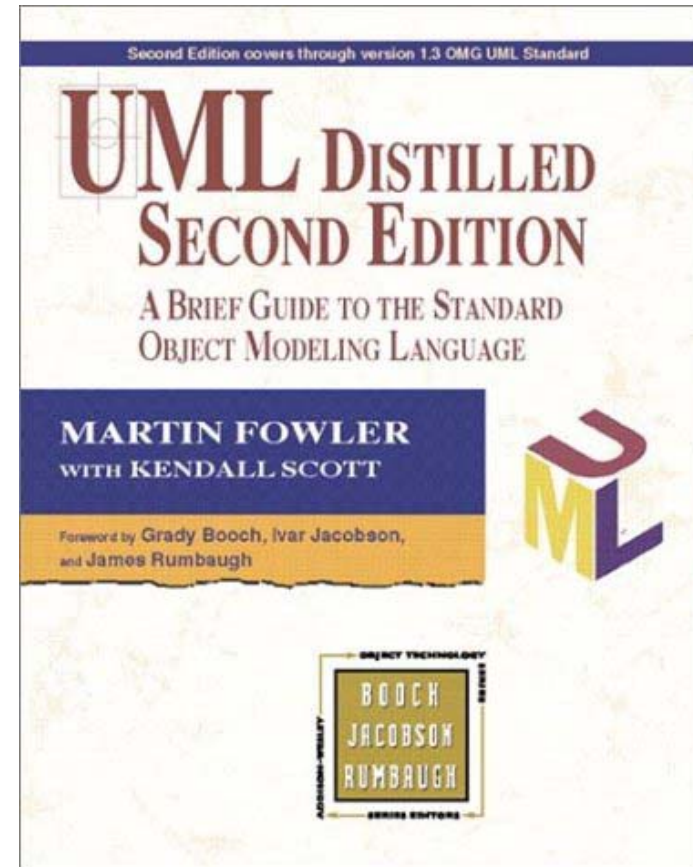
Suggested Reading

- Core J2EE Patterns
 - Deepak Alur, John Crupi, Dan Malks
 - Prentice Hall, June 2001
 - ISBN 0130648841



Suggested Reading

- UML Distilled
 - Martin Fowler, Kendall Scott
 - Addison Wesley, Sept 1999
 - ISBN 020165783X



Q&A

Further Questions

- If you have any further questions, feel free to e-mail us...
 - certification@simongbrown.com
 - certification@danjepp.com
- Thanks for attending and good luck in your certification!



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BEYOND
BOUNDARIES