WHERE TO GO FOR FURTHER INFORMATION

Recommended Readings

Recommended Readings
Top Level Sources *(Covers most requirements engineering activities)*
Steve McConnell, *Rapid Development*, Microsoft Press, 1996
Suzanne Robertson and James Robertson, *Mastering the Requirements Process 2nd Ed*, Addison-Wesley, 2006
IEEE, *Guide to Software Engineering Body of Knowledge*, IEEE, 2001. Chapter 2 is on Software Requirements.
Karl E. Wiegers, *Software Requirements (2nd Edition)*, Microsoft Press, 2003
Second Level Sources *(In-depth coverage of specific requirements engineering activities)*
Scott Ambler, *Agile Modeling: Effective Practices for eXtreme Programming and the Unified Process*, John Wiley & Sons, 2002 Also: *The Official Agile Modeling Site*. http://www.agilemodeling.com/ An impressive set of links on modeling. Includes links to summary descriptions of a wide variety of modeling artifacts and essays on creating light-weight models and agile documentation.
Alistair Cockburn, *Writing Effective Use Cases*, Addison-Wesley, 2000. Casual and fully dressed use cases.
Alan Cooper, *The Inmates are Running the Asylum*, SAMS Books, 1999 Creating and using personas.
Tom Gilb, *Competitive Engineering: A Handbook for Systems and Software Engineering Management Using Planguage*, Elsevier, 2005. More info at http://www.Gilb.com Decomposing complex into elementary requirements. Creating measures.
Ellen Gottesdiener, *Requirements by Collaboration*, Addison Wesley, 2002. Planning and conducting workshops. In addition, Chapter 2 provides a good overview of Wiegers' requirements process and a great discussion on which models are appropriate for different situations.
Barbara von Halle, *Business Rules Applied*, Wiley, 2002 Finding and documenting business rules.
Anne Mette Jonassen Hass, *Configuration Management Principles and Practices*, Pearson Education Inc, 2003 Change management.
Craig Larman, *Applying UML and Patterns: An Introduction to Object-oriented Analysis and Design and the Unified Process*, 2nd Edition, Prentice-Hall, 2001.Using models for analysis and design.
User Lab, *Simplified English.* Available at*:* http://www.userlab.com/SE.html Links to a paper containing a compilation of simplified English rules. Also includes links to other usability sites.

Additional Readings

Additional Readings
Requirements Related
Steve Adolph and Paul Bramble, *Patterns for Effective Use Cases*, Addison-Wesley, 2003.
Business Rules Group, *Defining Business Rules ~ What Are They Really?* Available at: http://www.businessrulesgroup.org
Donald C. Gause and Gerald M. Weinberg, *Exploring Requirements: Quality Before Design*, Dorset House, 1989
Soren Lauesen, *Software Requirements: Styles and Techniques*, Addison-Wesley, 2002
Steve McConnell, *Software Project Survival Guide*, Microsoft Press, 1997
Ian Sommerville & Pete Sawyer, *Requirements Engineering: A Good Practice Guide*, John Wiley & Sons, 1997
Alan Cline, "Joint Application Development for Requirements Collection and Management," http://www.carolla.com/wp-jad.htm
Jane Wood and Denise Silver, *Joint Application Development*, Wiley, 1995
JoAnn T. Hackos and Janice C. Redish, *User and Task Analysis for Interface Design*, Wiley, 1998
International Council on Systems Engineering, • Requirements Management Technology Overview. http://www.incose.org/tools/reqsmgmt.html • Tool Survey: Requirements Management Tools, http://www.incose.org/tools/tooltax.html
Effective Meetings and Facilitation
Arizona State University, *Continuous Improvement Resources: Tools and Techniques of Facilitation*. Available at: http://www.west.asu.edu/tqteam/resource.htm
Ingrid Bens, *Facilitation with Ease!*, John Wiley and Sons, 2000
Michael Doyle and David Straus, *How to Make Meetings Work: The New Interaction Method*, Reprinted Edition, Berkley Publishing Group, 1993
Roger Fisher and William Ury, *Getting to Yes: Negotiating Agreement Without Giving In, 2nd Edition*, Penguin Books, 1991.
Thomas Justice and David Jamieson, *The Facilitator's Field book*, American Management Association, 1999
University of Wisconsin – Madison, Academic Leadership Support, *How to Lead Effective Meetings*, http://www.ohrd.wisc.edu/academicleadershipsupport/howto1.htm
David Munoz, *Quality Function Deployment*, Lecture slides from Colorado School of Mines, http://www.mines.edu/Academic/courses/eng/EGGN491/lecture/qfd/
Product Line Initiative: http://www.sei.cmu.edu/plp/plp_init.html **Product Family/Domain Engineering**: http://www.sei.cmu.edu/str/descriptions/deda.html

Interesting Web Sites

Web Sites
Templates *(available for download)*
Construx's software engineering framework to improve our practices and provide reusable project materials. More information available at: http://www.construx.com/cxone/
Atlantic System Guild. Where you can find Robertson & Robertson's templates http://www.systemsguild.com
Process Impact, Karl Wieger's company: http://www.processimpact.com
State of Texas, Department of Information Resources, Guidelines and Model Process Manual. http://www.dir.state.tx.us/eod/qa/contents.htm
General Interest
National Science Foundation, Center for Empirically Based Software Engineering. Reports on Defect Reduction, COTS, and Agile processes. http://www.cebase.org
The Journal of Defense Software Engineering, Articles on all software engineering topics. Good search engine of their archives. http://www.stsc.hill.af.mil/about/crosstalk.html
The Data and Analysis center for Software (DACS) is a U.S. Department of Defense (DoD) Information Analysis center (IAC) that serves as an authoritative and unbiased source of technical software data/information, and provides support to all elements of the software community. http://www.thedacs.com/
International Council on Systems Engineering, Requirements Working Group. Links and a tools evaluation survey. http://www.incose.org/rwg
Project Management Institute. http://www.pmi.org
Software Engineering Institute. http://www.sei.cmu.edu/
Stickyminds from the publishers of *Better Software* Magazine. The site includes a requirements section containing numerous articles and links. Available at: http://www.stickyminds.com
IEEE's Software Engineering Body of Knowledge project. http://www.swebok.org

Other References

Other References used for the seminar ***(may or may not be related to requirements)***
Christopher Alexander, *Notes on the Synthesis of Form*, Harvard University Press, 1964
Ian F. Alexander and Richard Stevens, *Writing Better Requirements*, Pearson Education Limited, 2002 *Practical advice on eliciting and documenting requirements. Some references to DOORS requirements system.*
Stephen P. Berczuk and Brad Appleton, *Software Configuration Management Patterns: Effective Teamwork, Practical Integration*, Pearson Education Inc, 2003

Other References used for the seminar ***(may or may not be related to requirements)***
Barry Boehm and Richard Turner, *Balancing Agility and Discipline: A Guide for the Perplexed*, Addison Wesley, 2003
Barry Boehm, *Software Engineering Economics*, Prentice Hall, 1981
Barry Boehm, "Software Design and Structuring", in *Practical Strategies for Developing Large Software Systems*, Ellis Horowitz ed., Addison-Wesley, 1975
Alan Cooper, *The Inmates are Running the Asylum*, SAMS, 1999
Alan Cooper and Robert Riemann, *About Face 2.0: The Essentials of Interaction Design*, John Wiley & Sons, 2nd Edition, 2003
Michael A. Cusumano and Richard W. Selby, *Microsoft Secrets*, Simon & Schuster, 1995
Dietrich Dörner, *The Logic of Failure*, Perseus Publishing, 1996. Originally published in Germany in 1989 under the title of *Die Logik des Misslingens*, by Rowohlt Verlag.
C G Drury; B Paramore; H P Van Cott, S M Grey; and E N Corlett, "Task Analysis" in G Salvendy, Handbook of Human Factors, John Wiley, 1987
Thomas Gilb, Dorothy Graham, *Software Inspections*, Addison-Wesley, 1993
Department of Defense, *Guidelines for Successful Acquisition and Management of Software Intensive Systems: Appendix E*, Version 3.0. May 2000. Available for download at: http://www.stsc.hill.af.mil/resources/tech_docs/gsam3.html
Michael Jackson, *Problem Frames: Analyzing and Structuring Software Development Problems*, Addison-Wesley, 2000
Capers Jones, *Software Quality – Analysis and Guidelines for Success*, International Thompson, 1997
James Landay, "Task Analysis," Lecture notes, Berkeley, 1998. http://bmrc.berkeley.edu/courseware/cs160/fall98/lectures/task-analysis/
Dean Leffingwell and Don Widrig, *Managing Software Requirements: A Unified Approach*, Addison-Wesley, 2000
Eric Matson, *The Seven Sins of Deadly Meetings*, Available at www.fastcompany.com/online/02/meetings.html#
Jim McCarthy, *Dynamics of Software Development*, Microsoft Press, 1995
Steve McConnell, *Software Estimation: Demystifying the Black Art*, Microsoft Press, 2006
Steve McMenamin and John Palmer, *Essential Systems Analysis*, Yourdon Press, 1984
Fred Moody, *I Sing the Body Electronic*, Penguin, 1995
Jacob Nielsen and Robert Mack, *Usability Inspection Methods*, Wiley, 1994
Stephen Palmer, *Use Case Dos and Don'ts - an Informal Survey*, The Coad Letter: Modeling and Design Edition, Issue 83, Available at: http://bdn.borland.com/article/0,1410,29671,00.html
Stephen Palmer and John Fesling, *A Practical Guide to Feature-Driven Development*, Prentice Hall, 2002.

Other References used for the seminar *(may or may not be related to requirements)*
Project Management Institute, *A Guide to the Project Management Body of Knowledge*, PMI, 2001. *Note: The 3rd edition is in the works. PMI released the 2003 exposure draft for review on November 8, 2003.*
Marc Rettig, "Prototyping for Tiny Fingers", *Communications of the ACM*, April, 1994
Stephen Robbins, *Essentials of Organizational Behavior, 6th Ed*., Prentice Hall, 2000
Jeffrey Rubin, *Handbook of Usability Testing*, Wiley, 1994
Software Productivity Consortium, *Reuse-Driven Software Process Guidebook*, Version 02.00.03, 1993 (document SPC-92019-CMC, available from SPC, 2214 Rock Hill Road, Herndon, VA 20170)
John Terninko, *Step by Step QFD*, 2nd Ed., St. Lucie Press, 1997
Steve Tockey, *Return on Software: Maximizing the Return on Your Software Investment*, Addison-Wesley, 2004
Karl Wiegers, *Peer Reviews in Software: A Practical Guide*, Addison-Wesley, 2002
Karl Wiegers, *More About Software Requirements*, Microsoft Press, 2006
William M. Wilson, Linda H. Rosenberg and Lawrence E. Hyatt, *Automated Quality Analysis of Natural Language Requirement Specifications*, http://satc.gsfc.nasa.gov/tools/arm/ (home page with link to download site for automated tool) http://satc.gsfc.nasa.gov/support/PNSQC_OCT96/png.html (paper)

Related Construx Seminars

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Requirements Boot Camp
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Use Cases in Depth presented by Meilir Page-Jones.
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