Saturday April 9, 2005 MIT room E51-345
Java Gems: Ant, Tapestry & Lucene

Erik Hatcher

While the Java language is fun, friendly, and easy to learn, to successfully build sophisticated applications, a Java developer needs to keep up with the alternatives available from the open-source landscape. This tutorial focuses on three open-source Java projects, namely, Ant, Tapestry and Lucene. Ant is the de facto Java build tool, automating steps of the development process such as unit testing, documenting, reporting, packaging and deploying. This tutorial covers the basics, tips and tricks, as well as best practices of building a web application. Tapestry is the premiere Java-based web framework. Tapestry facilitates true component-oriented web development. Those who are familiar with the plumbing behind sophisticated web interfaces will be pleased at the speed at which a web application can be produced using this framework. Lucene is a very fast and scalable search engine that can be embedded into an application.

Who Should Attend?
Developers with some experience in object-oriented programming. Java developers will be right at home. C# or ASP.NET developers will benefit from seeing the best of breed Java solutions. Development managers will benefit from learning the streamlined development possibilities.

Seminar Topics
- Java development best practices - Ant - build tool
- Tapestry - web framework
- Lucene - search engine

Lecturer
Erik Hatcher is an Apache Software Foundation member and committer on several projects including Ant, Tapestry and Lucene. He co-authored two well-received books on Ant and Lucene. Erik has written articles for several publications, including java.net, Javapro, and IBM developerWorks. He frequently presents at conferences such as JavaOne, O’Reilly Open Source Convention, Open Source Content Management Conference, the No Fluff, Just Stuff symposiums, and Java User Groups. Erik is a developer at the University of Virginia’s Applied Research in Patternism department.

Session Chair: Lena Lau
lena.lau@acm.org

Saturday April 30, 2005 MIT room 34-101
Model-Oriented Architectures and Frameworks for Swing-based User Interfaces

Dan Jacobs

Building complex, functional, scalable, user-friendly, and robust user interfaces is a difficult task. The two most important jobs of any user interface are maintaining a high level of confidence from the user, and performing the right work in cooperation with the back-end of the application. Good model-oriented approaches to user-interface design and implementation, in conjunction with good supporting frameworks, help to address both of these concerns by providing consistency and reliability in the interface itself, and coordinated separation of front-end and back-end logic.

Swing is based on a variation of the Model-View-Controller (MVC) design pattern, but the models and controllers in Swing’s world are not application models and application controllers. Model-oriented architectures expose another level of MVC in which Swing is used to implement the view, while the application models and controllers are expressed in the language of the application. This presentation explores this higher level and examines practical ways to build world-class user-interfaces using Java and Swing.

Who Should Attend?
Experience-oriented object-oriented software developers who want to learn how to build better desktop-style user-interfaces with a lot less effort. Familiarity with event-driven user-interface development is useful. Familiarity with Java and Swing, while useful, is not essential.

Seminar Topics
- Object-oriented design patterns for structuring model-oriented user-interface designs
- Tips and tricks to use Swing effectively
- Concrete approaches for implementing form-style editors, tree-based and table-based viewers
- Concrete approaches for data validation at multiple levels

Lecturer
Dan Jacobs has an M.S. in Software Engineering and over 20 years of experience as an architect and developer of object-oriented software. Dan started ModelObjects Group in 1995 (originally Tech Tonic Netsystems), as an independent consulting company specializing in providing assistance in all areas of Java architecture and development for the Boston area software community. Dan is also the President of JPlates Inc., which provides commercial software tools for object-oriented development of web applications and code-generation applications. In addition, Dan has served as the chairman of the Boston area ACM WebTech chapter since 1997.

Session Chair: Peter Mager
p.mager@computer.org

New Pilot PDS Scholarship Program Offered to Students and the Unemployed

The GBC/ACM has established a pilot program to offer students and the unemployed a reduced rate of admission to the Professional Development Seminars. For those that qualify, the charge will be only $40 (not to include any books purchased). Students/unemployed paying this $40 fee will receive the same attendance at the seminar, lecture notes, snacks, and lunch that would normally cost $80. They are not required to pay $10 to join the GBC/ACM unless they want to become GBC/ACM members. Students/unemployed have the option of purchasing the related books if they choose. An additional $10 discount can be accepted, is not essential.

File downloading is available, is useful. Familiarity with Java and Swing, while useful, is not essential.

By Erik Hatcher, Steve Loughran
Publisher: Manning Publications
List: $44.95 PDS Price: $30

Lecture
Lena Lau
lena.lau@acm.org

Registration Fees
Seminar materials, lunch, and refreshments are included in the $80 fee. Registrants not current members of the GBC/ACM are charged an additional $10, and become members of the chapter for a year. This is different from ACM membership. Surcharge for on-site registration is $10. Purchase orders, faxes and e-mail cannot be accepted. Early registration must be made by mail with a check or money order, or on-line with a credit card at:

http://www.gbcacm.org/registration

Payment for on-site registration can only be made by cash or check. Enrollment is limited and on a first-come, first-served basis. To receive confirmation from GBC/ACM, register at least three weeks in advance of the seminar.

Cancellation & Refund Policy
Cancellations must be received in writing. The full seminar fee will be refunded if the PDS Registrar receives written notification before the start of the seminar, addressed to:

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Refund requests received after the seminar date will be subject to a $15 administrative fee. The $10 membership fee will not be refunded.

If the books are not available at the time of the seminar, the amount prepaid for the book will be courteously refunded.

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By Erik Hatcher, Steve Loughran
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Lucene in Java Development with Tapestry - web framework
- Lucene - search engine
- Java development best practices - Ant - build tool
- Tapestry - web framework
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Lecturer
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Session Chair: Lena Lau
lena.lau@acm.org

Book Offerings
Java Development with Ant
By Erik Hatcher, Steve Loughran
Publisher: Manning Publications
List: $44.95 PDS Price: $30

Lucene in Action
By Otis Gospodnetic, Erik Hatcher
Publisher: Manning Publications
List: $44.95 PDS Price: $30

Tapestry in Action
By Howard M. Lewis Ship
Publisher: Manning Publications
List: $44.95 PDS Price: $30

General Information
Schedule
8:30am-9:00am Registration (continental breakfast)
9:00am-12:15 pm Morning session (break ~ 10:30am)
12:15pm-1:30pm Lunch (provided on site)
1:30pm-4:30pm Afternoon session (breakfast ~ 2:30pm)
5:30pm-7:30pm (Possible) Optional dinner with speaker (self-pay)

Questions
For the latest update, see: http://www.gbcacm.org or call:

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behind Legal Seafood. Parking in MIT’s lots follows the rules and regulations of MIT. There is another commercial parking lot at the intersection of Vassar Street and Mass Ave. There is also a commercial garage on Ames Street.

Parking:
There are metered parking spots on Vassar Street and free parking spots on the north side of Memorial Drive. There is also a parking garage on the west side of Memorial Drive.

Public Transportation:
Red line

Directions to MIT

Building 34 is located on Vassar Street about halfway between Main Street and Massachusetts Ave. It is a small square building turned 45 degrees to the street so it may look like a diamond, especially with a glass atrium entrance. Building 34 is set back a few yards from the street and the line of other buildings. It is between buildings 36 and 38.

Building E51 is the Tang Center. The street address is 70 Memorial Drive. It is located at the north west corner of Memorial Drive and Wadsworth Street.

Parking:
There are metered parking spots on Vassar Street and free parking spots on the north side of Memorial Drive. There is also a commercial parking lot at the intersection of Vassar Street and Mass Ave. There is another commercial garage on Ames Street, behind Legal Seafood. Parking in MIT’s lots follows the rules and regulations of MIT.

Public Transportation:
Red line to Kendall Square. Walk west on Main Street and turn left onto Vassar Street for building 34. Walk east on Main Street and turn right onto Wadsworth Street for building E51.

Harvard University, Computer Science Colloquium Series

Location: Harvard University, Maxwell Dworkin G125 (33 Oxford St., Cambridge, MA 02138)

Topic: Divide and Be Conquered: Separation of Concerns for Trustworthiness
Speaker: Barry Mirrer, Director of Quality - Outcome
Date: Thursday, April 14, 2005 at 4:00PM (Reception to follow)

Topic: Intelligent Technology for an Aging Population: The Use of AI to Assist Elders with Cognitive Impairment
Speaker: Martha E. Pollack, University of Michigan
Date: Monday, April 18, 2005 at 4:00PM (Refreshments - 3:30PM second floor lounge area)

Topic: Gadgets for good: How computer researchers can help save lives in poor countries
Speaker: Neal Lesh, MERL Research Lab
Date: Monday, April 25, 2005 4 PM (Refreshments - 3:30PM second floor lounge area)

April Meetings
Greater Boston SIGCHI
Topic: Information presentation in web applications
Speaker: Hagan Rivers, Two Rivers Consulting
Date/Time: Tuesday, April 12, 2005 6:30PM - Refreshments 7:00PM Meeting
Location: Sun Microsystems, Burlington, MA
Details: http://www.gbsigchi.org/ntg.html
RSVP to sigchi-rsvp@east.sun.com at least one day in advance

Software Quality Group of New England
Topic: Results from Inspecting Test Automation Scripts
Speaker: Howie Dow, Dory Consulting Group
Date/Time: Wednesday, April 13, 2005 6:00PM - Networking 6:30PM - 8:00PM Meeting & Presentation
Location: Sun Microsystems, Burlington, MA
Details: http://www.swquality.com/users/pustaver/bcs.htm

Boston SPIN
Topic: Organizing Your Problem Tracking System
Speaker: Barry Mirrer, Director of Quality - Outcome
Date: Tuesday, April 19, 2005 6 PM Networking, 7:10 PM Presentation
Location: The Mitre Corporation, S Building, Bedford, MA
Details: http://www.boston-spin.org/meeting.html

The Institute of Electrical and Electronic Engineers, Inc.
Spring 2005 Continuing Education Program
For Detail Course and Registration Information, Visit our Website at http://ieeeboston.org; Phone: 781-245-5405
Register Early to get a Discount!

How to Build & Maintain a Profitable Consulting Practice
Date and Time: Saturday, April 2, 8:30AM - 4:00PM
Location: Westin Hotel, Waltham
Configuring and Securing Your Home or Small Business Network Mini-Course Lab
Date and Time: Wednesday, April 5-10 6:15PM-9:45PM
Location: Sheraton Hotel, Lexington
A Practicle Hands-On Introduction to XML, Schemas and its Applications
Date and Time: Monday, Tuesday, April 4 - 5 8:30AM-4:30PM
Location: Westin Hotel, Waltham
Predictable Software Development Part I, II & III
Date and Time Part I: Tuesday, April 12, 8:30AM - 12:30Noon
Date and Time Part II: Wednesday, April 13 8:30AM-4:30PM
Location: Westin Hotel, Waltham
(continued from page 6)

IEEE Consultants Network

Speaker: Peter Fontana, Pathfinder Solutions
Date/Time: Wednesday, April 27, 2005 7:00 PM
Location: Sheraton Lexington Inn, Lexington, MA
Details: http://www.ieee-boston.org/consultants.htm
$7.00 charge at door for non-members

Harvard University, Computer Science Colloquium Series

Topic: Stopping Spam
Speaker: Joshua Goodman, Microsoft Research
Date/Time: Thursday, April 28, 2005 4:00 PM (Refreshments 3:30PM, second floor)
Location: Harvard University, Maxwell Gwoarkin G125 (33 Oxford St., Cambridge, MA 02138)
Details: http://deas.harvard.edu/newsevents/calendars/index.html

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<th>Book Titles</th>
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<td>Java Gems: Ant, Tapestry and Lucene</td>
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### Calendar of April 2005 Events ###

<table>
<thead>
<tr>
<th>Date</th>
<th>Page</th>
<th>Sponsor</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>April 9</td>
<td>4</td>
<td>GBC ACM Spring PDS</td>
<td>MIT, Cambridge, MA</td>
</tr>
<tr>
<td>April 12</td>
<td>3</td>
<td>Greater Boston SIGCHI</td>
<td>Sun Microsystems, Burlington, MA</td>
</tr>
<tr>
<td>April 13</td>
<td>3</td>
<td>Software Quality Group of NE</td>
<td>Sun Microsystems, Burlington, MA</td>
</tr>
<tr>
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<td>6</td>
<td>Harvard Computer Science Series</td>
<td>Harvard University, Cambridge, MA</td>
</tr>
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<td>Harvard University, Cambridge, MA</td>
</tr>
<tr>
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<td>3</td>
<td>Boston-SPIN</td>
<td>Mire Corporation, Bedford, MA</td>
</tr>
<tr>
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<td>6</td>
<td>Harvard Computer Science Series</td>
<td>Harvard University, Cambridge, MA</td>
</tr>
<tr>
<td>April 27</td>
<td>7</td>
<td>IEEE Consultants Network</td>
<td>Sheraton, Lexington, MA</td>
</tr>
<tr>
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<td>7</td>
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<td>Harvard University, Cambridge, MA</td>
</tr>
<tr>
<td>April 28</td>
<td>1</td>
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<td>MIT, Cambridge, MA</td>
</tr>
<tr>
<td>April 30</td>
<td>5</td>
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<td>MIT, Cambridge, MA</td>
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### The Real Times

#### GBC/ACM April 2005 Meeting

**Helping People Find Information Better**

**Speaker:** Jaime Teevan, MIT CSAIL  
**Date/Time:** Thursday, April 28, 2005, 7-9 PM  
**Location:** MIT Room 56-114

Every day computer users retrieve information from among dozens of incoming emails, hundreds of files on their personal computers, and billions of Web pages. In order to help people search through this deluge of information better, we need not just better technology, but also a better understanding of what people’s information needs are. In this talk, Jaime Teevan will present several studies of user information seeking behavior and discuss how the results of these studies have informed the development of a next generation search tool.

Jaime Teevan is a doctoral candidate at the Computer Science and Artificial Intelligence Lab at the Massachusetts Institute of Technology, where her research focuses on helping people re-find information in dynamic information environments. She has published in the areas of HCI, Information Retrieval, and Machine Learning. She received an SM (’01) from MIT for research on learning probabilistic information retrieval models, and a BS in Computer Science from Yale University.

**Directions:** MIT room 56-114 is located near the State Center at MIT. For a map:  
http://whereis.mit.edu/map-jpg?mapterms=56-114&mapsearch=go

Visit the GBC ACM website for last minute meeting changes: www.gbcacm.org

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**Check inside this issue of the Real Times for details on the GBC/ACM Professional Development Seminars offered in April, 2005**

**Saturday April 9, 2005: Java Gems: Ant, Tapestry & Lucene**

**Saturday April 30, 2005: Model-Oriented Architectures and Frameworks for Swing-based User Interfaces**