Saturday April 9, 2005 MIT room E51-345
MySQL 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 track 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 premier 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 is also on the Board of Advisors for the New York City BSD User Group. Mr. Zaunere leverages technology development communities such as New York PHP and AMP Fortune 500 companies. He has established several core management teams to address different technical requirements such as those typical of high volume web sites, OLAP/OLTP applications or clustering environments. This seminar will also introduce database users to the enterprise features available in MySQL. Attendees will learn how to use MySQL in their environments. Attendees will also learn about the upcoming release of MySQL 5.0.

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?
Experienced 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-interfaces
- Tips and tricks to using 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 Model/Objects 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: Lena Lau lenalau@acm.org
Seminar Book Offers:
Java Development with Ant
By Erik Hatcher, Steve Longihan
Publisher: Manning Publications
List: $44.95 PDS Price: $30
License In Action
By Otto 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-12:15pm 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 Opt dinner with speaker (self-pay)

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 distinct 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:
GBC/ACM PO Box 4040
Lexington MA 02420-0005

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

Questions
For the latest update, see: http://www.gbcacm.org or call:
(781) 862-1181
Building 34 is located on Vassar Street about halfway between Main Street and Massachussets 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

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

Directions to MIT

M.I.T. 34-101 and E51-345
Cambridge, MA

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.

Ken Anderson, Co-Developer of JScheme

Ken Anderson, one of the three developers of JScheme, died on Friday, January 21, 2005. Ken was one of the three main developers of JScheme and a codeveloper of Scigraph.

JScheme had two parent languages — Peter Norvig’s SILK and Tim Hickey’s Jscheme applet. Ken came onto the project in the beginning (1997) and built the Scheme-Java interface that became the javadot notation. He was responsible for the beautifully designed cache techniques that made javadot so efficient. He was also a tireless developer, chasing down bugs, dreaming up and seriously analyzing proposed new optimizations. He was a talented software engineer who loved building an elegant and simultaneously practical language.

Ken played a major role in the Lightweight Language conferences and was also an active player in the anti-Spam effort. He was a friend of GBC/ACM and one of our backup room facility hosts. Ken will be missed.

GBC ACM February Meeting (continued from page 1)
Invited speakers will provide the background and status information on these topics. The meeting will include a large portion of open discussion from the floor on technical and nontechnical opportunities for election reform through standards.

The event is free and open to the public. Refreshments provided by IEEE Boston Section.

PRE-REGISTRATION IS REQUIRED due to limited capacity. To preregister, send email including name, affiliation, and contact information to: sec_boston@ieee.org or evote-sld-preregistration@messageweb.net. You can also go to the web page to pre-register: http://www.evote-mass.org.

For more information, visit: http://www.ieeeboston.org (FEB), or contact Alex Brown: a.brown@ieee.org, (617) 308-9456.

February Meetings
Software Quality Group of New England

Topic: Latest Industry Data for Application Development and Maintenance
Speaker: David Garmany, David Consulting Group
Date/Time: Wednesday, February 9, 2005 6:00PM - Networking 6:30PM - 8:00PM Meeting & Presentation
Location: Sun Microsystems, Burlington, MA
Details: http://www.swquality.com/users/pustaver/bscs.htm

(February meetings - continued on page 7)
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SPIN
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IEEE
www.ieee-boston.org

IEEE Consultants Network
www.ieee-boston.org/consultants.htm

Boston-area User Group Calendar
www.bugc.org

Books

MySQL Technical Overview
$80
$90

MySQL Certification Study Guide
$35

Java Gems: Ant, Tapestry and Lucene
$80
$90

Java Development with Ant
$35

Lucene in Action
$44.95
$30

Tapestry in Action
$44.95
$30

Model-Oriented Architectures and Frameworks for Swing-based User Interfaces
$80
$90

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February Meetings

**BOB SPIN**

**SNHU, IEEE Computer Society NH Chapter, the ACM Boston Chapter and The SWANH**

IEEE Consultants Network

**SNHU, IEEE Computer Society NH Chapter, the ACM Boston Chapter and The SWANH**

Boston SPIN

Topic: Agile Management Methodologies

Speaker: Michael Mah

Date: Tuesday, February 15, 6 PM Networking, 7:10 PM Presentation

Location: The Mitre Corporation, S Building, Bedford, MA

Details: http://www.boston-spin.org/meeting.html

SNHU, IEEE Computer Society NH Chapter, the ACM Boston Chapter and The SWANH

Topic: Enterprise Computing

Speaker: Lisa Erickson, Harris

Date/Time: Tuesday, February 22, 2005 5-6 PM

Location: Mara Auditorium, Webster Hall, Southern New Hampshire University, Manchester, NH

Details: http://acadweb.snhu.edu/isaijk/T seminars/

IEEE Consultants Network

Topic: Streamlining Embedded Systems Development with Eclipse

Speaker: Jason Williams & Steve Greffenius

Date/Time: Wednesday, February 23, 2005 7 PM

Location: Sheraton Lexington Inn, Lexington, MA

Details: http://www.ieee-boston.org/consultants.html/#f23 Fee: $7.00 at door for non-members

This meeting is still tentative at the time of this writing - please check the web site for confirmation.

Please send orders for copies to the Chapter mailing address

SNHU, IEEE Computer Society NH Chapter, the ACM Boston Chapter and The SWANH

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GBC/ACM, P.O. Box 465, Lexington, MA 02420

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The Official Newsletter of the Greater Boston Chapter of the

**The Real Times**

GBC/ACM February 2005 Meeting  
**New Standards for Elections: A forum on technical and non-technical requirements for voting systems**

**Moderator:** Carol Rose, Executive Director, ACLU of Massachusetts  
**Host:** Dr. Rebecca Mercuri, contributing member of the P1583 committee and Radcliffe Institute Fellow.  
**Date/Time:** Saturday, February 12, 2005, 1-5 PM  
**Location:** Radcliffe Institute for Advanced Study, Harvard University Cronkhite Living Room, Cronkhite Grad Center, 6 Ash St, Cambridge MA  
This meeting is co-sponsored with:  
Institute of Electrical and Electronic Engineers (IEEE) Boston Section  
American Civil Liberties Union (ACLU) of Massachusetts  
Harvard University’s Radcliffe Institute for Advanced Study

The Help America Vote Act (HAVA), enacted by Congress in October 2002, gave the National Institute of Standards and Technology (NIST) a key role in helping to realize nationwide improvements in voting systems. New requirements for the manufacture and testing of electronic voting machines are being developed, as an extension to the prior Federal Elections Commission’s recommended Voting System Standards and voting machine certification program. NIST and HAVA are relying on the IEEE, through their Standards Association process, to provide salient guidance and input from voting equipment vendors and independent experts.

Over the past three years, the IEEE Standards Association Voting Systems Standards (SCC38) Project on Voting Equipment (P1583) developed a detailed functional description for precinct-based balloting and ballot counting equipment. This document, IEEE-STD P1583 “Draft Standard for Evaluation of Voting Equipment” [http://grouper.ieee.org/groups/sc38/1583/p1583_dstds.html](http://grouper.ieee.org/groups/sc38/1583/p1583_dstds.html), is (at time of writing) approaching its second attempt at approval within the IEEE Standards Association process. Its first circulation resulted in over 1000 comments that have considerably improved the document, but numerous areas of contention and disagreement still exist.

This forum will provide an opportunity for technical and policy experts and interested citizens to discuss the voting system standards effort and some broader issues regarding the national reform of election operations, with members of the P1583 committee and voting equipment vendors.

(continued on page 3)