



# The Java Jive Regional Challenge 2008

*Keeping IT Real!*

“As we continue to invest in open source software development across the world, it's apparent that nearly all roads lead to academic environments - and it's high time we (as an industry) started watering the trees at their roots.”

– Jonathan Schwartz, CEO and President, Sun Microsystems

Regional Co-organisers:



Regionally supported by:

ITE-Sun  
Centre of Technology

updated on 6/13/2008



# KEEPING IT REAL!

Java Jive Regional Challenge 2008

## TABLE OF CONTENTS

Page 2

Regional Co-organisers:



Regionally supported by:

ITE-Sun  
Centre of Technology



## CHALLENGE OBJECTIVE

Sun is hosting the Java Jive Challenge, for the third consecutive year. This year, Java Jive is also held regionally for the first time in Singapore, Malaysia and Thailand. Through participating in Java Jive this year, students will be able to compete and share with their peers on a regional level.

This year's theme for the Java Jive Regional Challenge 2008 is "Keeping IT Real!". The Java Jive Regional Challenge 2008 - *Keeping IT Real!* provides students with a platform to identify, develop and apply IT in a real world scenario. The objective of this challenge is to drive students' passion for innovation using Java Technology, Solaris Operating System and NetBeans. A unique feature of this year's challenge is the opportunity to work with mentors from the healthcare industry, where participants are offered an experiential and hands-on approach as they develop and deploy Web 2.0 solutions that can possibly be the next big thing in the healthcare industry.

Sun together with ITE, IDA and industry partners are working together to help nurture the open source community and shape future leaders for the information communication industry. This year, Sun and IDA, co-organisers of the Java Jive Regional Challenge 2008 will bring Java Jive Challenge 2008 around the region through the ITE-Sun Centre of Technology collaboration. Java Jive Regional Challenge 2008 - *Keeping IT Real!* continues to be part of Infocomm Development Authority's (IDA) 2008 series of the National Infocomm Competition (NIC).

Regional Co-organisers:



Regionally supported by:

ITE-Sun  
Centre of Technology



This year, industry partners have come onboard to work together with students to allow them to create applications that will address the real world issues that the industry is facing.

Launching on 1 April 2008, the Java Jive Regional Challenge 2008 – *Keeping IT Real!* is open to all infocomm students from the local universities, polytechnics and ITE colleges.

#### **KEEPING IT REAL CHALLENGE**

Participating teams are expected to use Java and NetBeans along with their software design, programming, creativity and entrepreneurial skills to develop an innovative Java-based Web 2.0 application that best makes IT ‘real’ in addressing issues pertinent to the healthcare industry, while promoting interactivity and participation between communities on the Internet. (Note: For Thailand’s participants only, the industries in consideration are healthcare and education.)

Teams are encouraged to develop their application on the Solaris platform. The overall solution is not limited to just Web interfaces but can include other application interfaces as long as they have an element of participation and interactivity.

For Singapore, a maximum of **three** teams from each institution can enter the challenge. For Malaysia, a maximum of **one** team from each institution can submit the challenge. There are no limitations to the number of teams that each institution in Thailand can send for the Challenge.

Regional Co-organisers:



Regionally supported by:

ITE-Sun  
Centre of Technology



*Note for Singapore participants:* The Java Jive Challenge 2008 is under the ITE/Polytechnic circuit of the NIC. As with other circuit challenges under the NIC, points will be awarded to the top six teams of this challenge. Local universities can compete in this category but their entries will not be considered as part of the NIC ITE/Polytechnic circuit. The NIC points will be awarded based on the ranking of the top six teams at the Singapore Finals. The results of the top six teams qualifying for the points under the NIC challenge will be determined at the Singapore Finals.

#### **COUNTRY JUDGING DAYS**

The format of judging day for each country may differ depending on the number of applicants.

Singapore Judging Day – 26 June 2008

Malaysia Judging Day – 25 June 2008

Thailand Judging Day – 14 June 2008

Institution can submit their application(s) at the local Java Jive Judging Day, where each team will give a 10-minute presentation, followed by a 5-minute Question & Answer session with the judging committee.

The judging criteria are as follows:

- Usability (15 per cent) – Ease of using the application



- Technology (20 per cent) – Ability to effectively apply technologies including Java Development Tools, NetBeans 5.5 IDE & above.
- Commercial Value/ Industry Relevance (20 per cent) – Extensiveness to which the application is commercially viable to implement for the specific industry
- Creativity (20 per cent) – Originality and degree of technology innovation
- Participation (20 per cent) – Extent to which application fosters participation, inter-activity and sharing on the Net

Participants will need to upload their coding on Java.net starting **April 18, 2008**. This will allow the judges to evaluate participants' progress. Five percent of the total score will be based on the coding updated on Java.net.

There will be special awards given out during the Java Jive Judging day. They are the:

- Innovation Award – This award will be given to the team with the most innovative application.
- Technology Award – This award will be given to the team which most effectively applied the development tools in the development of their application.
- Participation Age Award – This award will be given to the team whose application best showcases what they believe is the Participation Age.

The team with the highest score at Judging Day will be the country champion and will be awarded S\$1,200 and each team member will get a 4GB iPod Touch.



The winning teams from Singapore, Malaysia and Thailand will go on to compete with each other for the title of Java Jive Regional Champion at the grand finals held at Sun Developer Days, Singapore on 15 Jul 2008.

**REGIONAL FINALS AT SUN DEVELOPER DAYS, SINGAPORE**

Sun Developer Days, Singapore: 15 July 2008

The presentation format is the same as the country finals with an addition of a live element.

- Each team will be given five minutes to present their application on stage.
- Each team will be allocated a booth where they can showcase their application and promote it to the commercial developers attending the Regional Finals.
- Teams will need to create a code 'live' at the Regional Finals under time pressure.

Judges will evaluate the applications based on the applicability of the working models on the industry partner's business. The teams will be judged on a new set of criteria (refer to section on judging criteria). In addition, teams will enter into a bonus round, where they will compete in a coding challenge live under time pressure at developer days. The topic of the coding challenge will only be revealed at developer days itself.

- Presentation (20 per cent) – Ability to communicate the unique selling proposition, smoothness of delivery, organisation of presentation content, relevance and content of visual aids, keeping to the allotted time
- Booth (20 per cent) – Ability to leverage on the booth to create opportunities for interacting with the Sun Developer Days' attendees



- Commercial Value/ Industry Relevance (25 per cent) – Extensiveness to which the application is commercially viable to implement for the specific industry
- Participation (25 per cent) – Extent to which application fosters participation, interactivity and sharing on the Net
- Live coding (10 per cent) – Best code created under time pressure

The country champion team will be awarded S\$3,000 and each team member will get a Nintendo Wii.

#### **SUBMISSION**

Please register online at [sg.sun.com/javajive](http://sg.sun.com/javajive). The submission deadline for Singapore, Malaysia and Thailand is **18 April 2008, Friday**. Applications received after this date will not be considered.

For more information on Java Jive, visit [sg.sun.com/javajive](http://sg.sun.com/javajive)

For any enquiries, please contact: [Javajive-ext@sun.com](mailto:Javajive-ext@sun.com)

#### **JUDGING PANEL**

The judging panel for the Java Jive Challenge 2008 Judging Day will comprise of prominent representatives from IDA, Sun Microsystems, the local industry partners and the ICT industry.

Regional Co-organisers:



Regionally supported by:

**ITE-Sun  
Centre of Technology**



# KEEPING IT REAL!

## Java Jive Regional Challenge 2008

### TIMELINE

7 March, Fri	Registration opens
1 April, Tue	Regional Launch Event in Singapore & Bootcamp
3 April, Thu	Malaysia Country Launch Event & Bootcamp
9 April, Wed	Thailand Country Launch Event & Bootcamp
18 April, Fri	Registration closes for Singapore, Malaysia and Thailand. Submission deadline for registration applications.
2 May, Fri	1 <sup>st</sup> Review of coding uploaded on Java.Net
2 June, Fri	2 <sup>nd</sup> Review of coding uploaded on Java.Net
4 June, Wed	Report submission closes for Singapore, Malaysia and Thailand
14 June, Sat	Thailand Judging Day
25 June, Wed	Malaysia Judging Day
26 June, Thu	Singapore Judging Day
15 July, Tue	Regional Finals held at the Sun Developer Days Singapore

(Briefing with Industry Mentor for each country will happen between April-May. The actual date will be advised later during the challenge.)

### RULES

- Each team is to consist of three members (excluding facilitator)
- For Singapore, a maximum of **three** teams from each institution can enter the challenge. For Malaysia, a maximum of **one** team from each institution can submit the

Regional Co-organisers:



Regionally supported by:

ITE-Sun  
Centre of Technology



challenge. There are no limitations to the number of teams that each institution in Thailand can send for the Challenge.

- Participants must be full-time students
- The NIC category is only applicable to participants in Singapore.
- All entries must use the Java programming language and the NetBeans IDE 5.5 and above
- Each team has to submit the application form by **18 April 2008**.
- Each team has to submit a soft copy of the photo of the team members and a short write-up on the team to be posted on the Java Jive website by **18 April 2008**.
- Each team has 8-10 weeks to develop the application.
- Each team has to submit a 3-5 page report outlining the tools used to develop the application, how the application met the objective of the challenge and how to use the application. The final submission deadline for the report is **4 June 2008**.
- On Judging Day, teams are required to provide all the equipment and software to demonstrate their entry.
- The top three teams from each category will be required to present at the Country Finals. Each team will be given 5 minutes to present their application on stage. Each team will also have a booth to display their application and promote their application to the attendees at the Sun Developer Days.
- The winning local champion will be required to present at Sun Developer Days.
- Judges decision is final and no correspondence will be entertained.

(For the complete Rules and Regulation, please refer to the rules and regulation document)



## **JUMPSTART BOOTCAMP FOR THE JAVA JIVE CHALLENGE 2008**

Sun will be providing all participants with a jumpstart bootcamp which will give them an overview of the tools necessary to jumpstart their applications. More details on the bootcamp will be provided on the challenge website nearer the date of the regional launch.

### **APPENDIX**

#### **About the National Infocomm Competition (NIC)**

The National Infocomm Competition (NIC) is a multi-themed inter-school challenge created to uncover top infocomm talent in Singapore. Divided into three circuits - secondary schools, junior colleges and ITE/polytechnics – the competition will encompass challenges focused on areas such as business IT, digital media, mobile technology, security & networking and more. Supported by Ministry of Education, the NIC is organised by IDA and the following organisations including National Technological University, National University of Singapore, Singapore Institute of Management, Singapore Management University, Ngee Ann Polytechnic, Nanyang Polytechnic, Republic Polytechnic, Singapore Polytechnic, Temasek Polytechnic, Institute of Technical Education, Information Technology Standards Committee, Singapore Computer Society and Science Centre Singapore. For more information, visit [talent.singaporeinfocomm.sg](http://talent.singaporeinfocomm.sg).

Page 11

Regional Co-organisers:



Regionally supported by:

**ITE-Sun  
Centre of Technology**



### **About ITE-Sun Centre of Technology**

The ITE-Sun Centre of Technology (Sun COT), formally known as the ITE-Sun Microsystems Engineering IT Solutions Centre, is a strategic collaboration between Sun Microsystems and ITE where students, educators, industry partners and companies can attain knowledge and skills for deploying forefront and innovative IT solutions.

The Centre, located in the School of Info-Comm Technology at ITE College East, provides an integrated platform for Project Piloting, Proof-of-Concept Development, Technology Testing and Training. These enable the Centre to assist companies adopt business Best Practices and implement innovative and best-in-class Engineering IT solutions such as Supply Chain Management.

### **About ITE**

The Institute of Technical Education (ITE), Singapore, was established as a post-secondary institution in 1992. It is a statutory board under the Ministry of Education, Singapore. ITE is a principal provider of career and technical education in Singapore, and the principal authority in developing national occupational skills certification and standards to enhance Singapore's workforce competitiveness, both locally and globally.

### **About Sun Microsystems**

Sun Microsystems develops the technologies that power the global marketplace. Guided by a singular vision -- "The Network is the Computer" -- Sun drives network participation through shared innovation, community development and open source leadership. Sun can



be found in more than 100 countries and on the Web at <http://sun.com>, or at <http://sg.sun.com> for Asia South.

### **About the Participation Age**

The term Participation Age was first coined in April 2005 by then President and Chief Operating Officer of Sun Microsystems, Jonathan Schwartz. The term is used to describe the changes in societies and economies brought on by open source software projects, social software, and Web 2.0 technologies, as well as increasing access to the Internet and network services via web enabled mobile phones.

### **About Web 2.0**

Web 2.0 is a second generation of rich, dynamic Web services built on secure open standards that enable sharing, participation, and collaboration. This has led to the expectation of reliable and scalable performance as a result of the massive throughput demanded by global proliferation of the Internet. Today, the technologies behind Web 2.0 are here and continue to evolve at a rapid pace.

Web 2.0 has seen user communities growing. Anywhere, anytime computing is becoming more widely available both within an enterprise and around the world. End users are accessing and participating on the net from a myriad of devices such as personal computers, PDAs, cell phones and handheld devices.