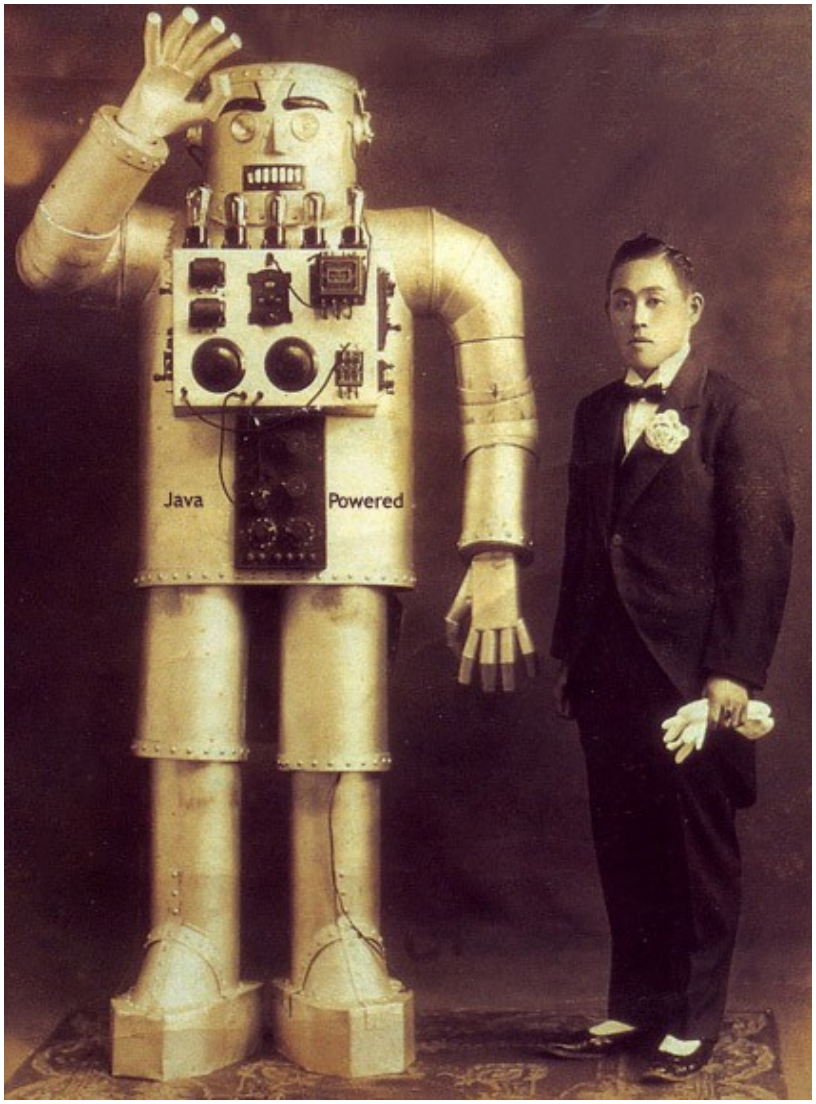
Who needs Standards...

Being an Illustrated Guide to Events of Significance in the Regulation of Social and Scientifick Affairs from the Earliest Period to the Present Day, Showing their Effects in Human Progress, including a Proposal for Further Advancement under the Leadership of the Duke of Java.

Patrick Curran: Chair, Java Community Process (patrick@jcp.org)
http://jcp.org

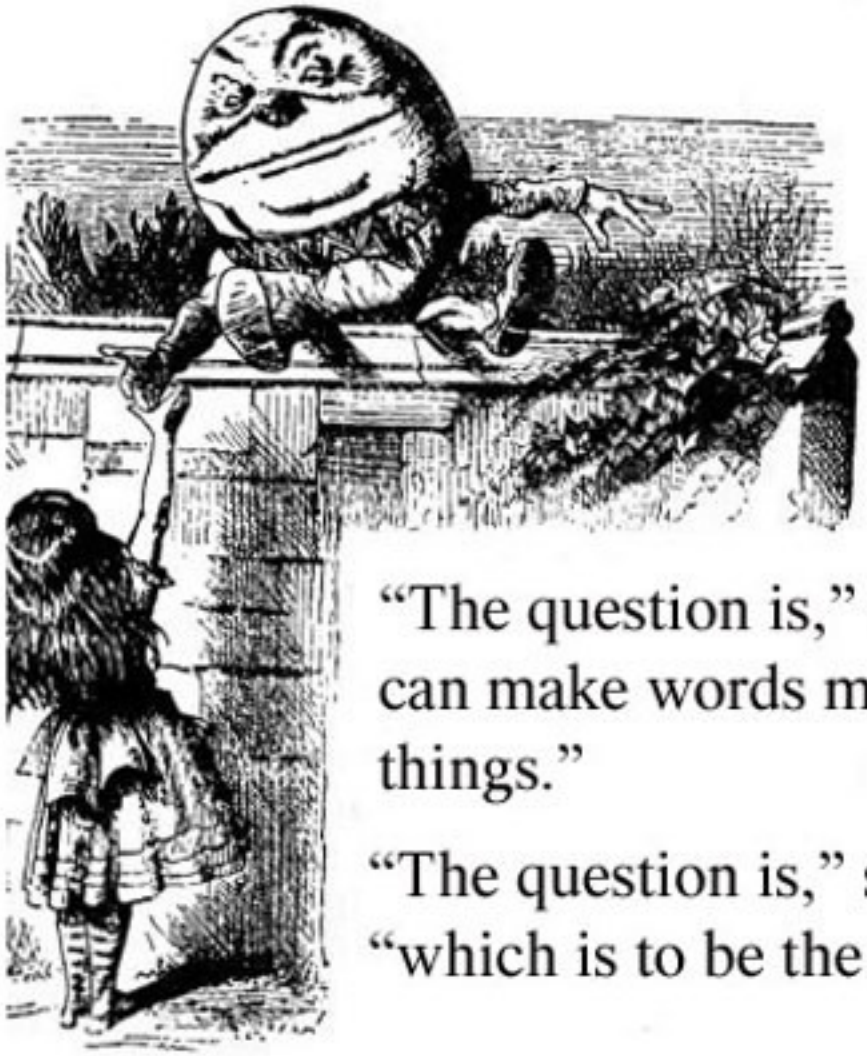
In an Open-Source world?



Java Community Process

In the beginning...

Language

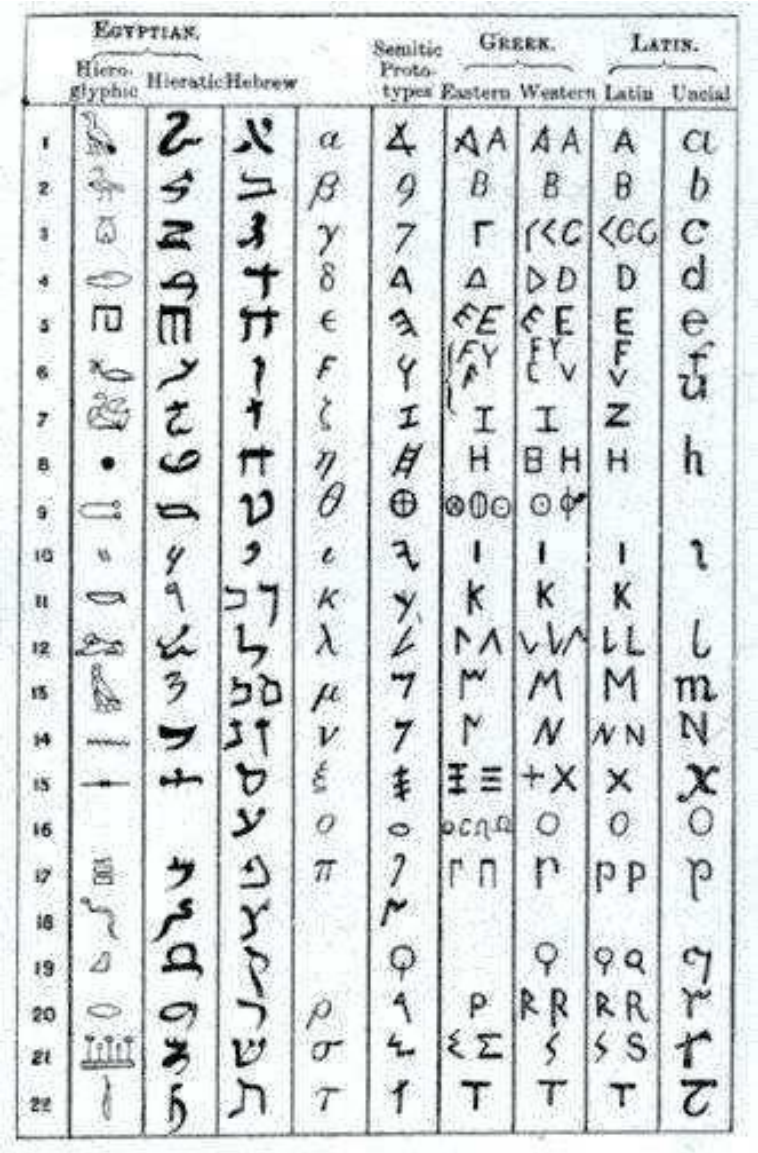


"When I use a word",
Humpty Dumpty said
in a rather scornful tone,
"it means just what
I choose it to mean -
neither more nor less."

"The question is," said Alice, "whether you can make words mean so many different things."

"The question is," said Humpty Dumpty, "which is to be the master - that's all."

Writing



Java Community Process

Number systems

Currency

A Modest Proposal

"He's the CEO of NextBigThing, Inc.
Their implementation of JSR 456 doesn't pass the TCK."

Time...

http://jcp.org

Java Community Process

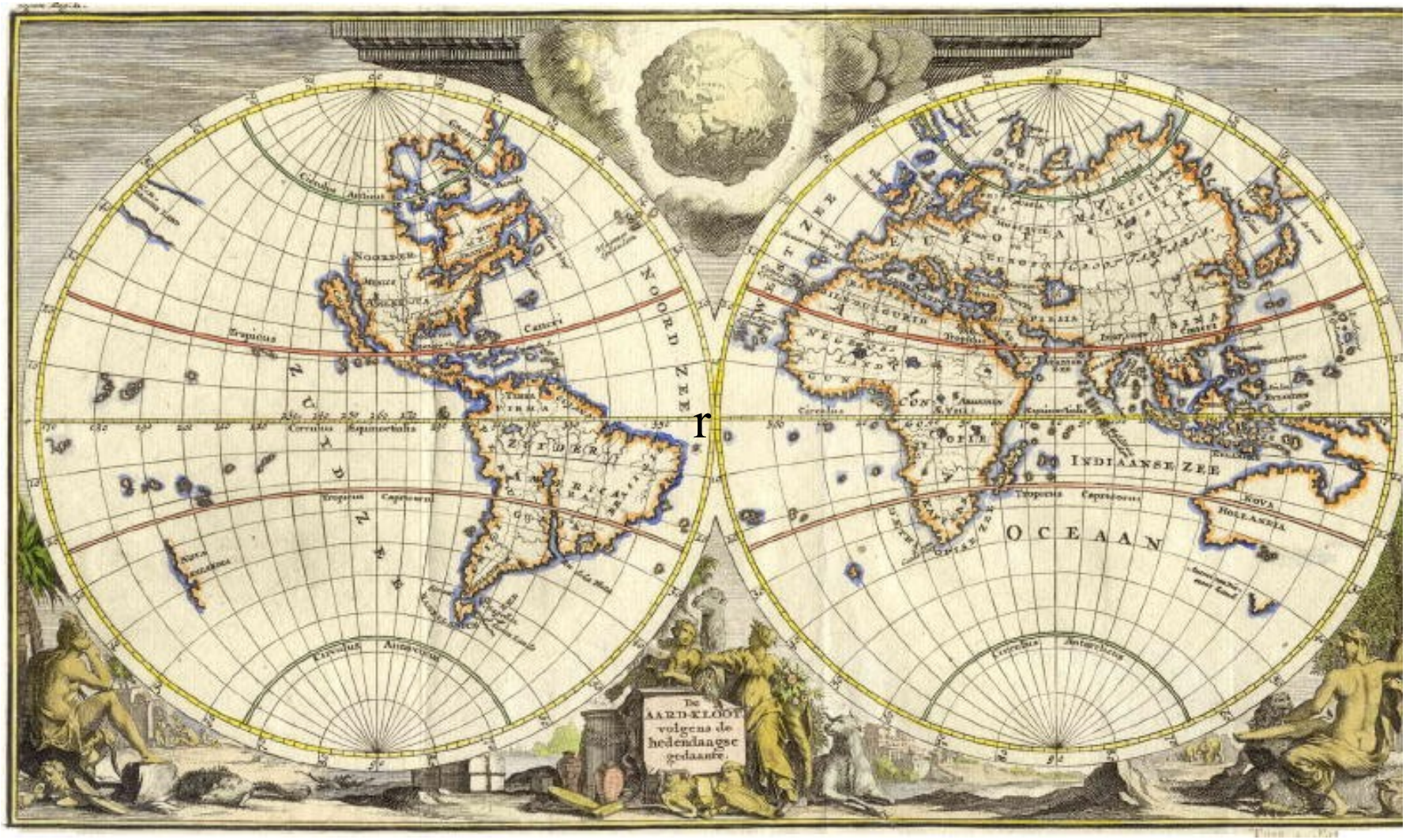
And space

Navigation

http://jcp.org

Java Community Process

Maps



http://jcp.org

Java Community Process

Weights...

http://jcp.org

Java Community Process

and Measures

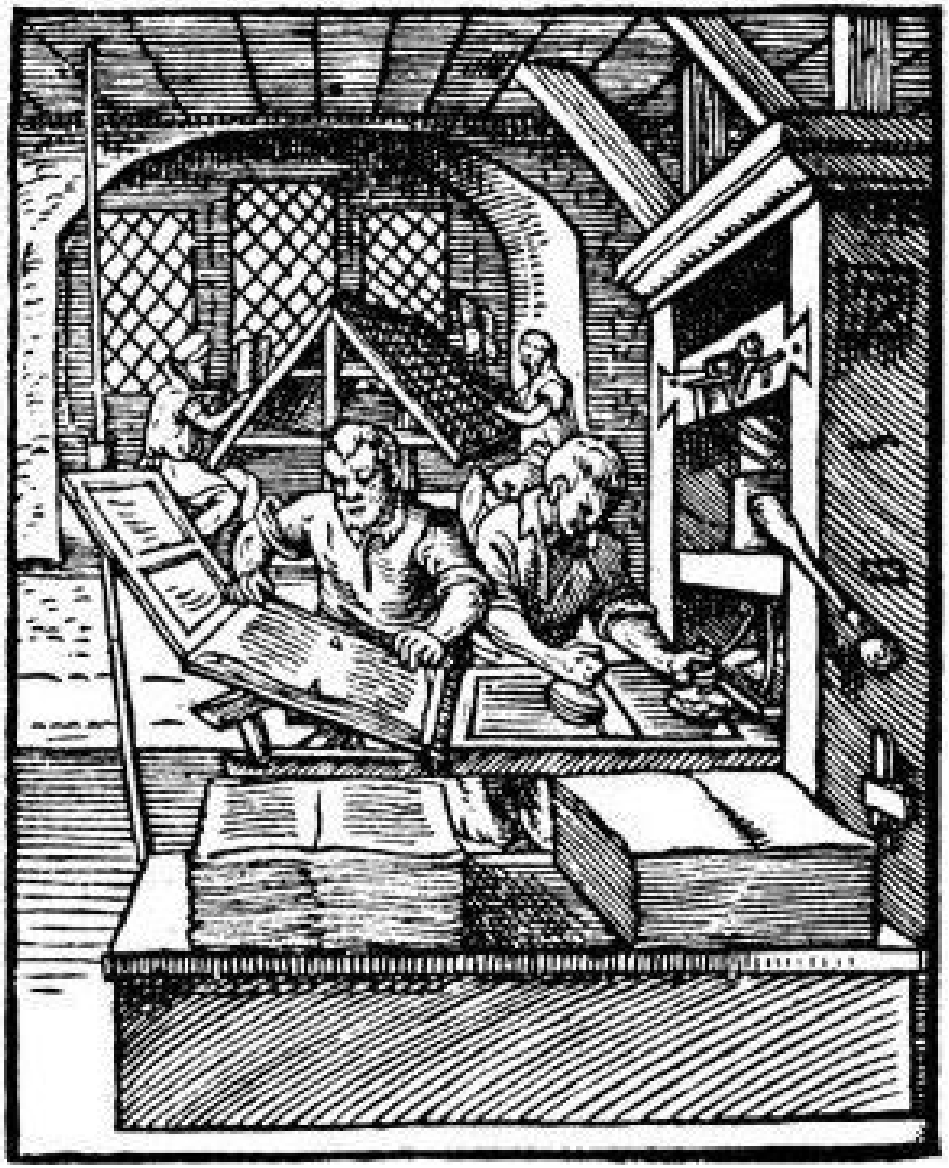
Guilds

http://jcp.org

Java Community Process

Hallmarks

Printing



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Java Community Process

Food...

http://jcp.org

Java Community Process

And drugs

http://jcp.org

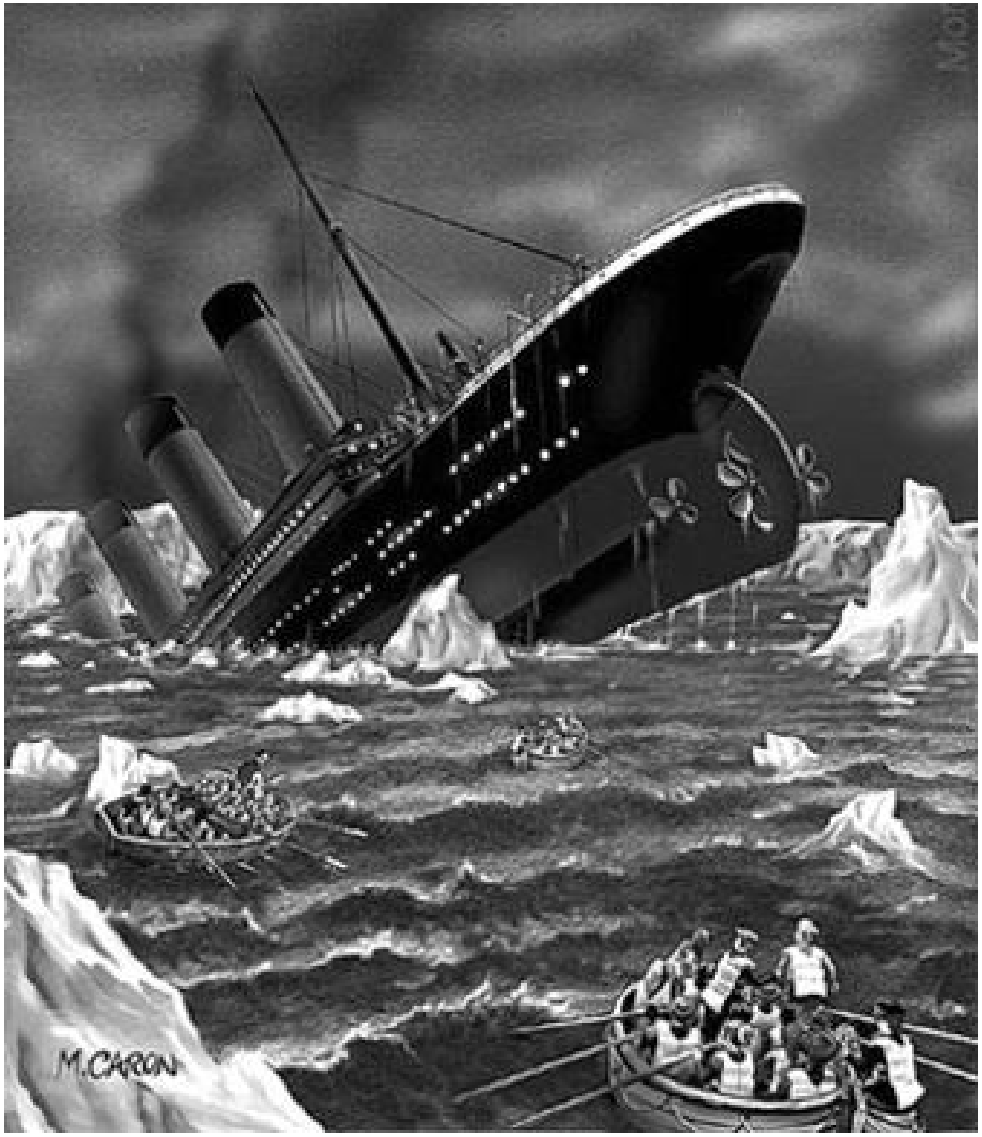
Java Community Process

Health...

http://jcp.org

Java Community Process

And safety



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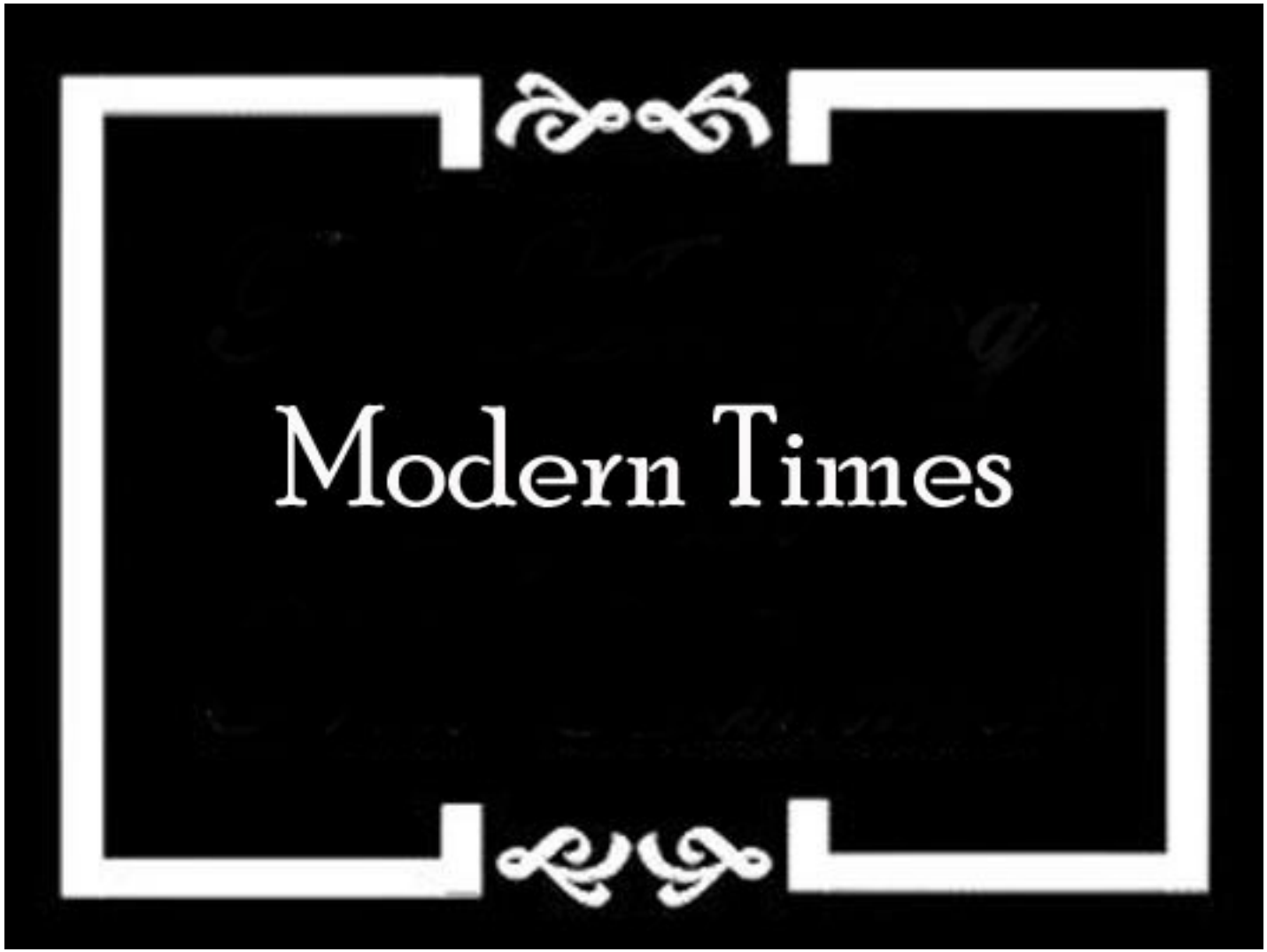
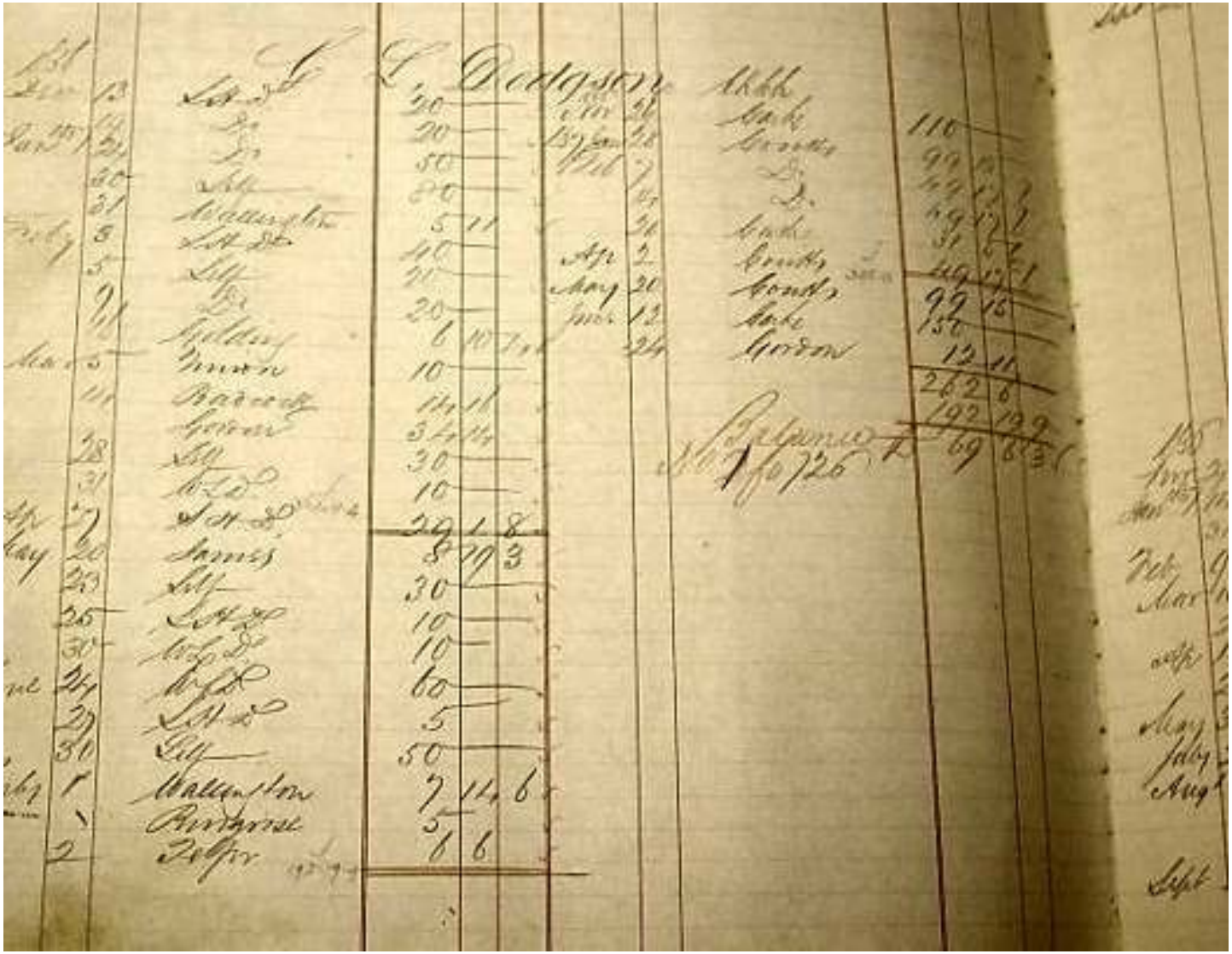
Java Community Process


Modern Times

Commerce

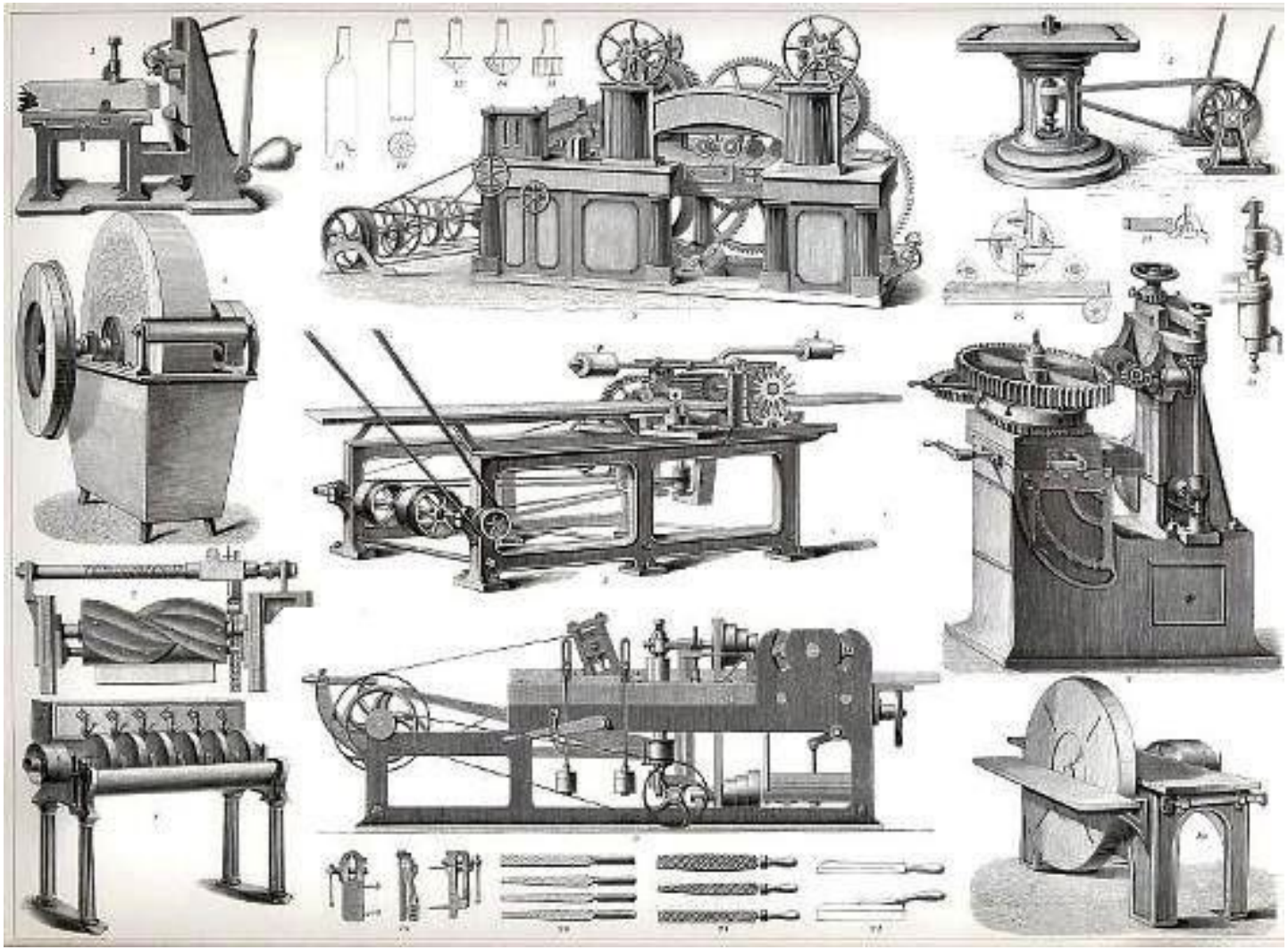


Java Community Process

Industry

100 SHARES
FLNY21085
100
THE GRAY MANUFACTURING COMPANY
THIS CERTIFICATE IS TRANSFERABLE IN THE CITY OF NEW YORK OR IN HARTFORD
This Certifies that
DREYFUS & CO.
is the owner of
ONE HUNDRED
shares of the par value of Five Dollars ($5) each, full paid and non assessable, of the Common Capital Stock of The Gray Manufacturing Company, transferable on the books of the Company by the holder hereof in person or by duly authorized attorney upon surrender of this certificate properly endorsed. This certificate is not valid until countersigned by the Transfer Agent and registered by the Registrar.
In Witness Whereof, The Gray Manufacturing Company has caused its corporate seal to be hereunto affixed and this certificate to be signed by its duly authorized officers.
MAY 20 1959
SPECIMEN

Machine tools



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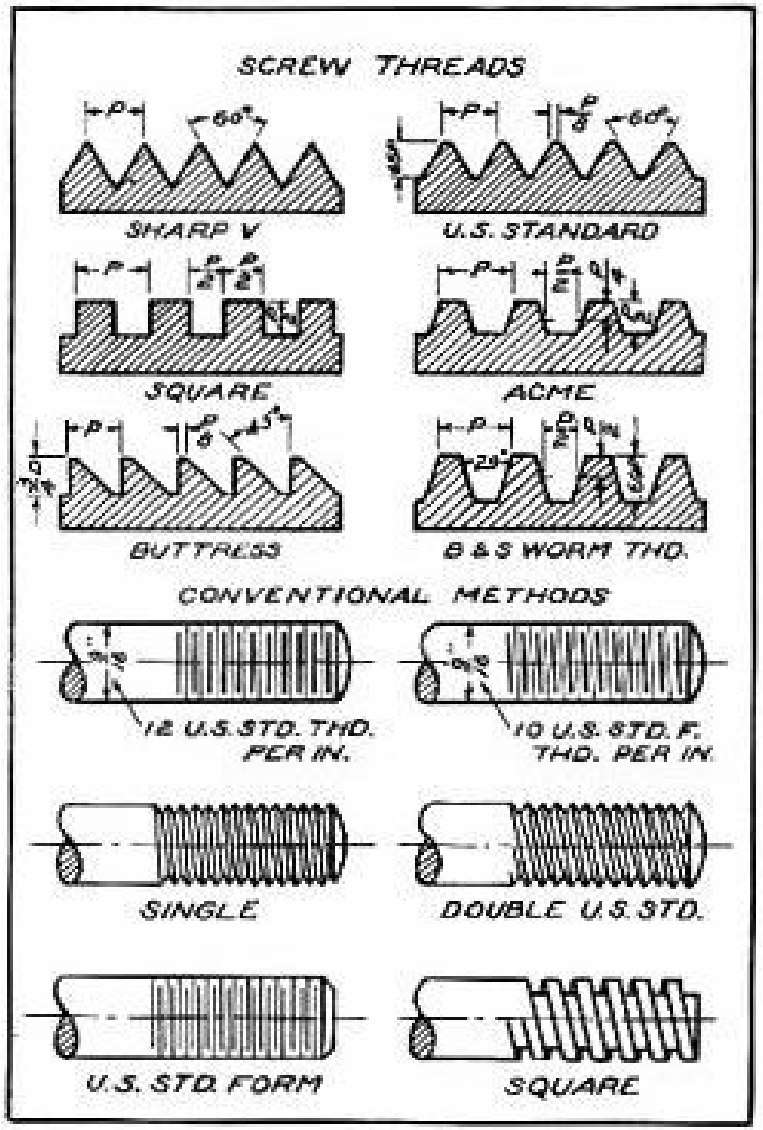
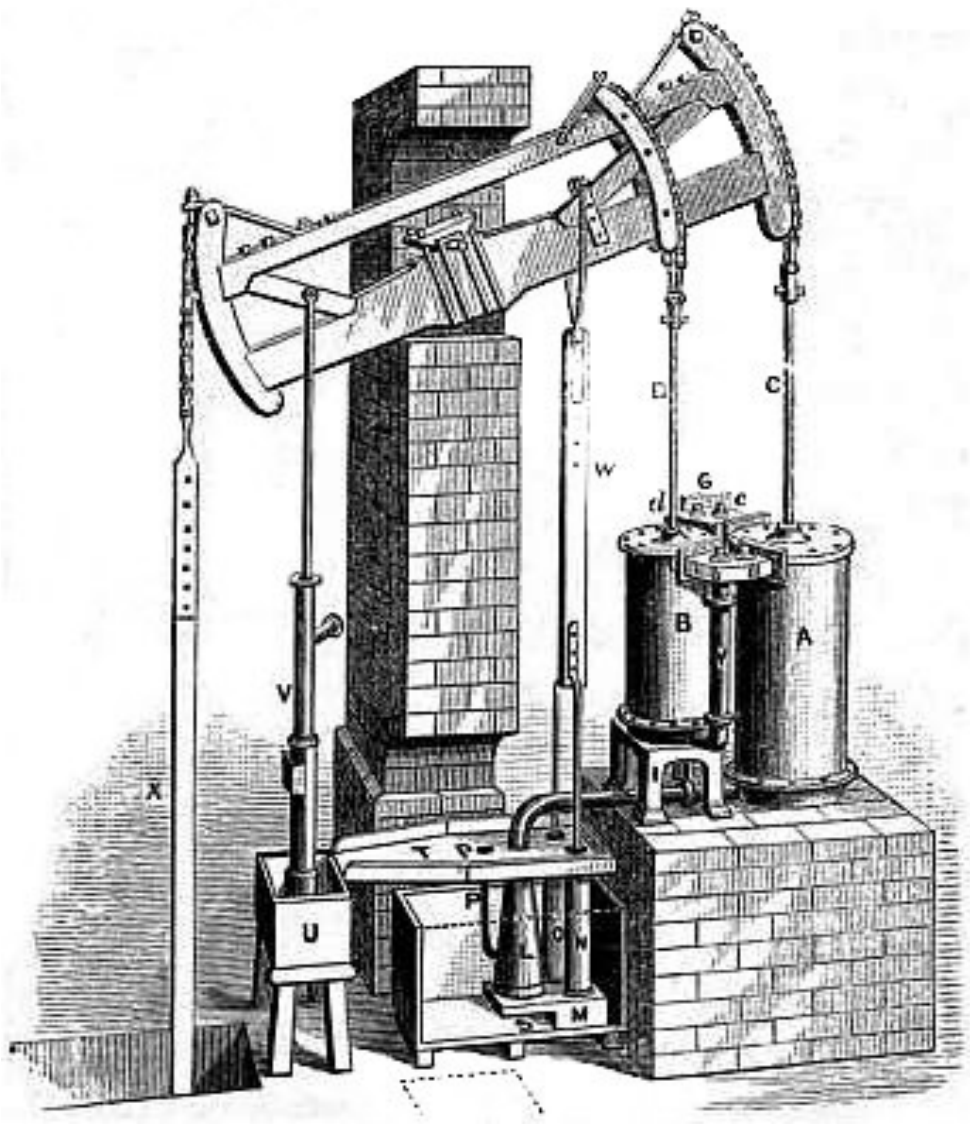
Java Community Process

Screws and threads



Steam engines



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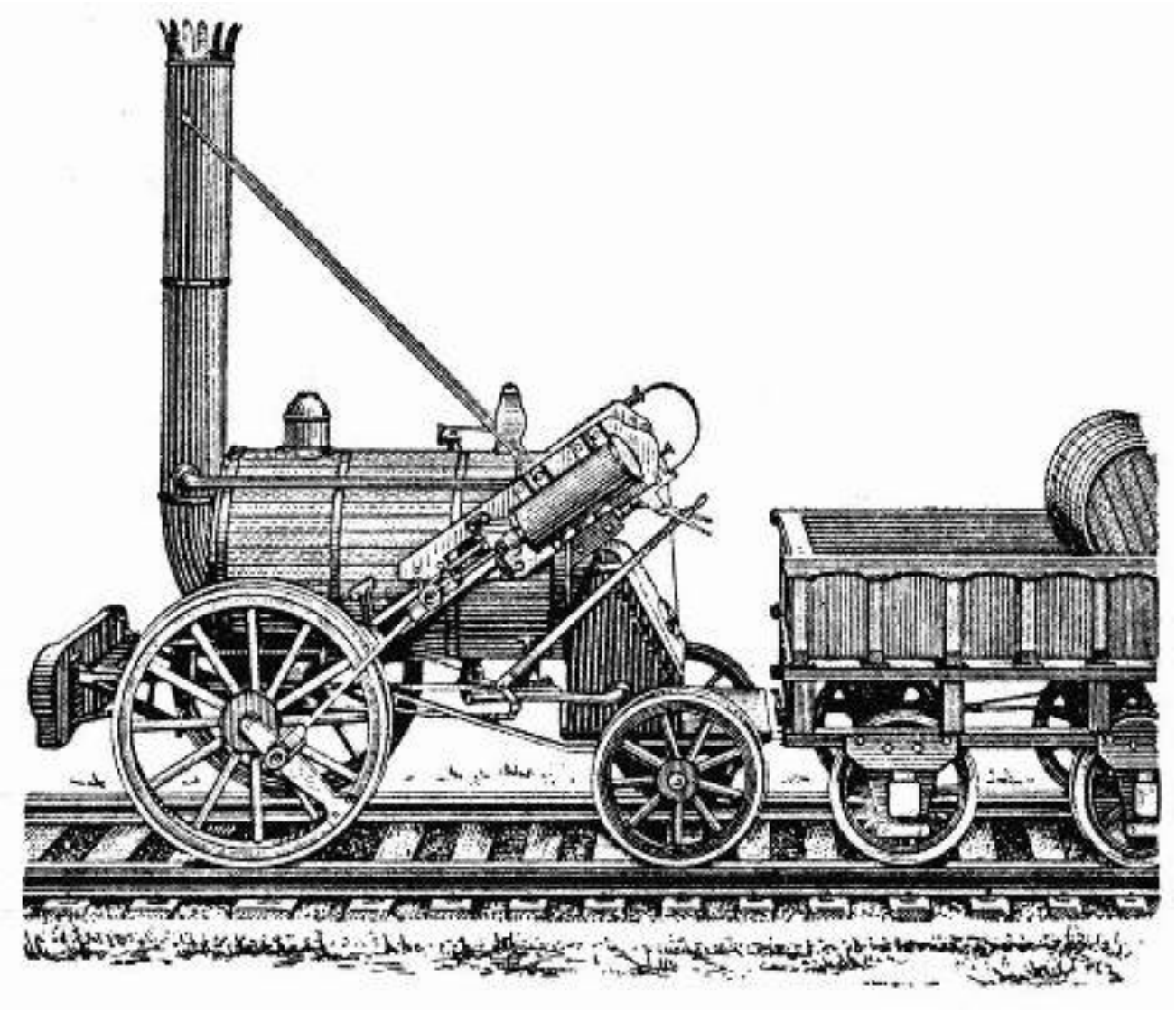
Java Community Process

Railways



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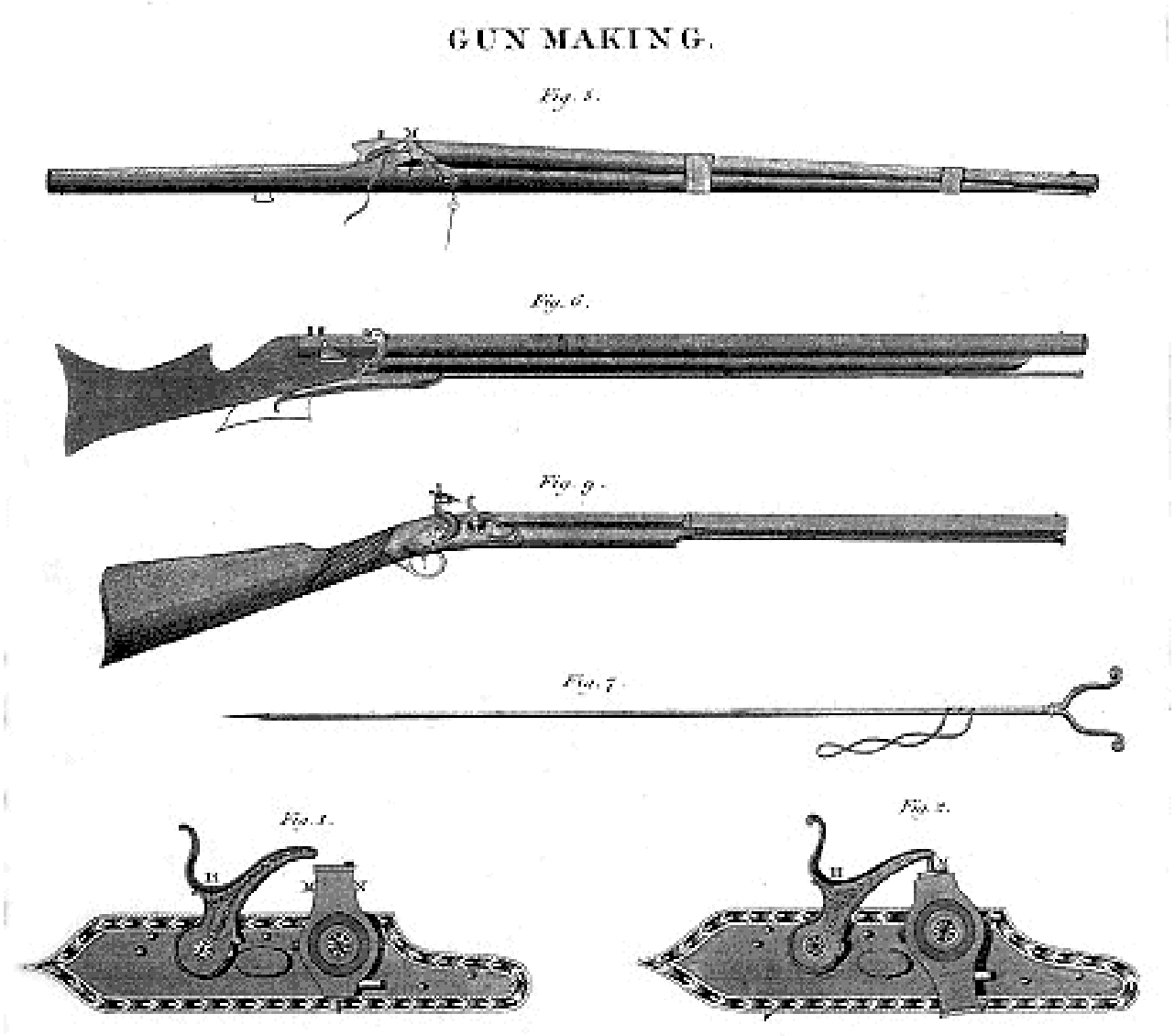
Java Community Process

The Heart of the
Matter

Interchangeable parts



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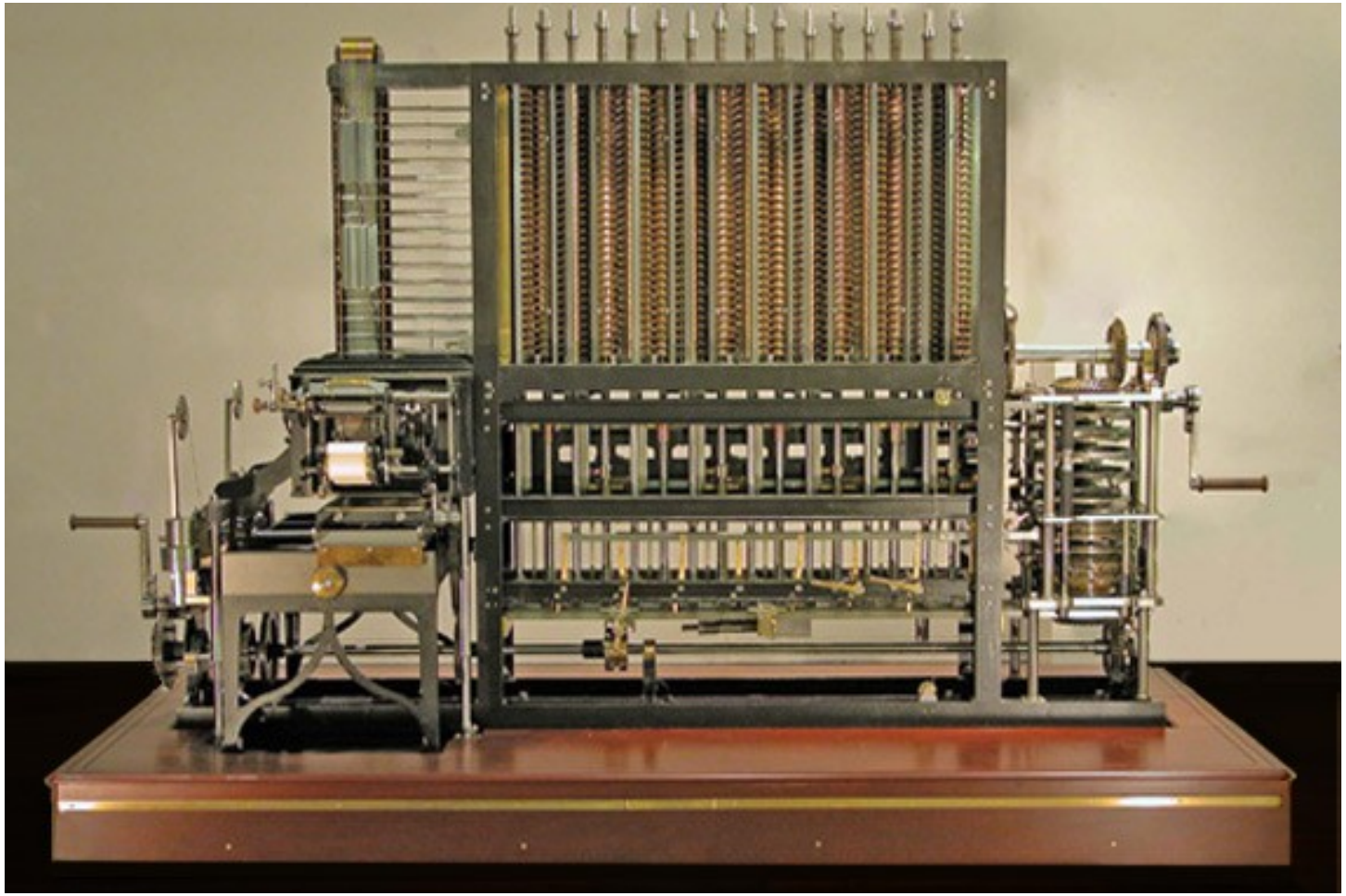
Java Community Process

Mass production

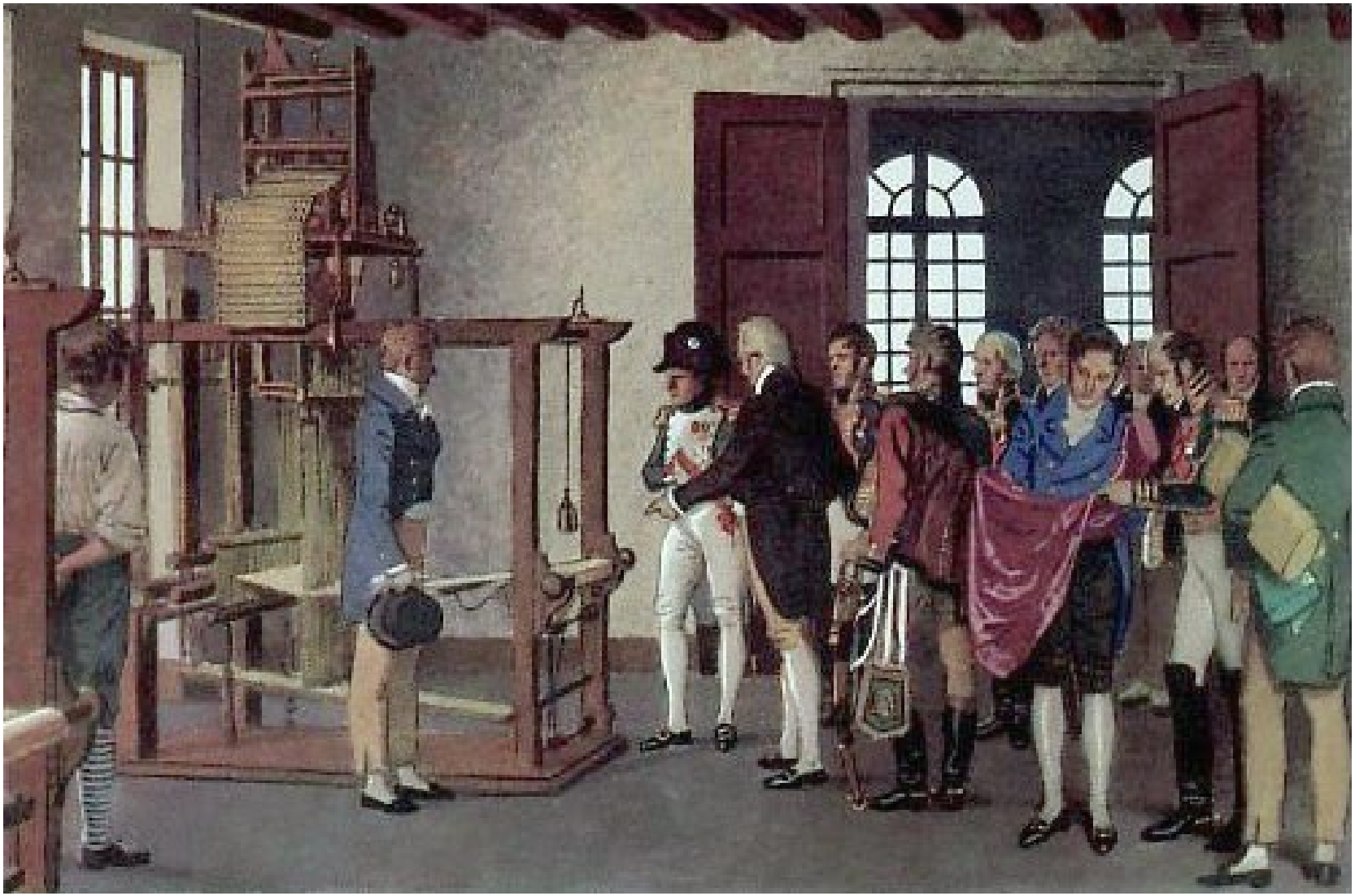
Wartime

The Computer
Age

Difference Engine



Jacquard loom



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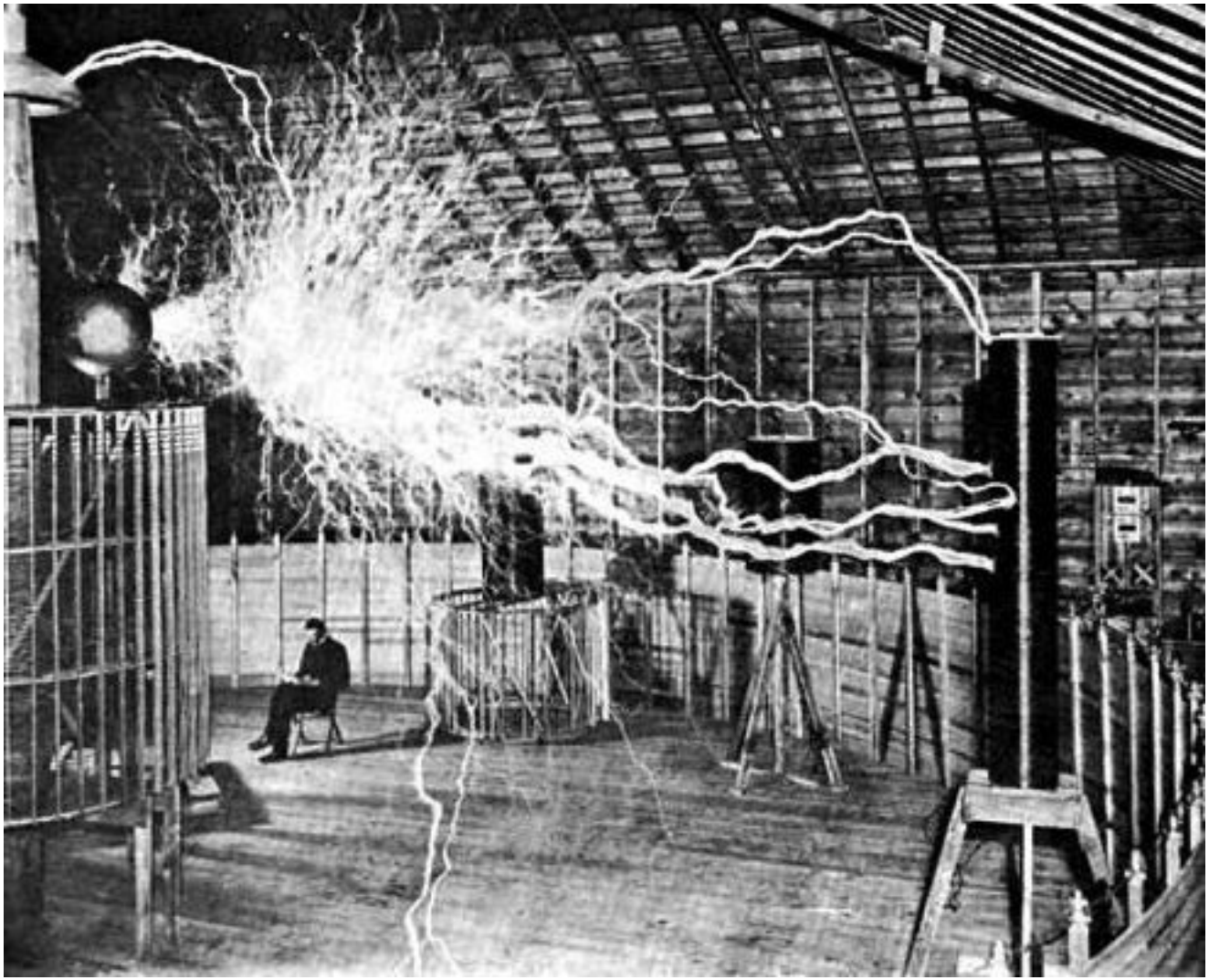
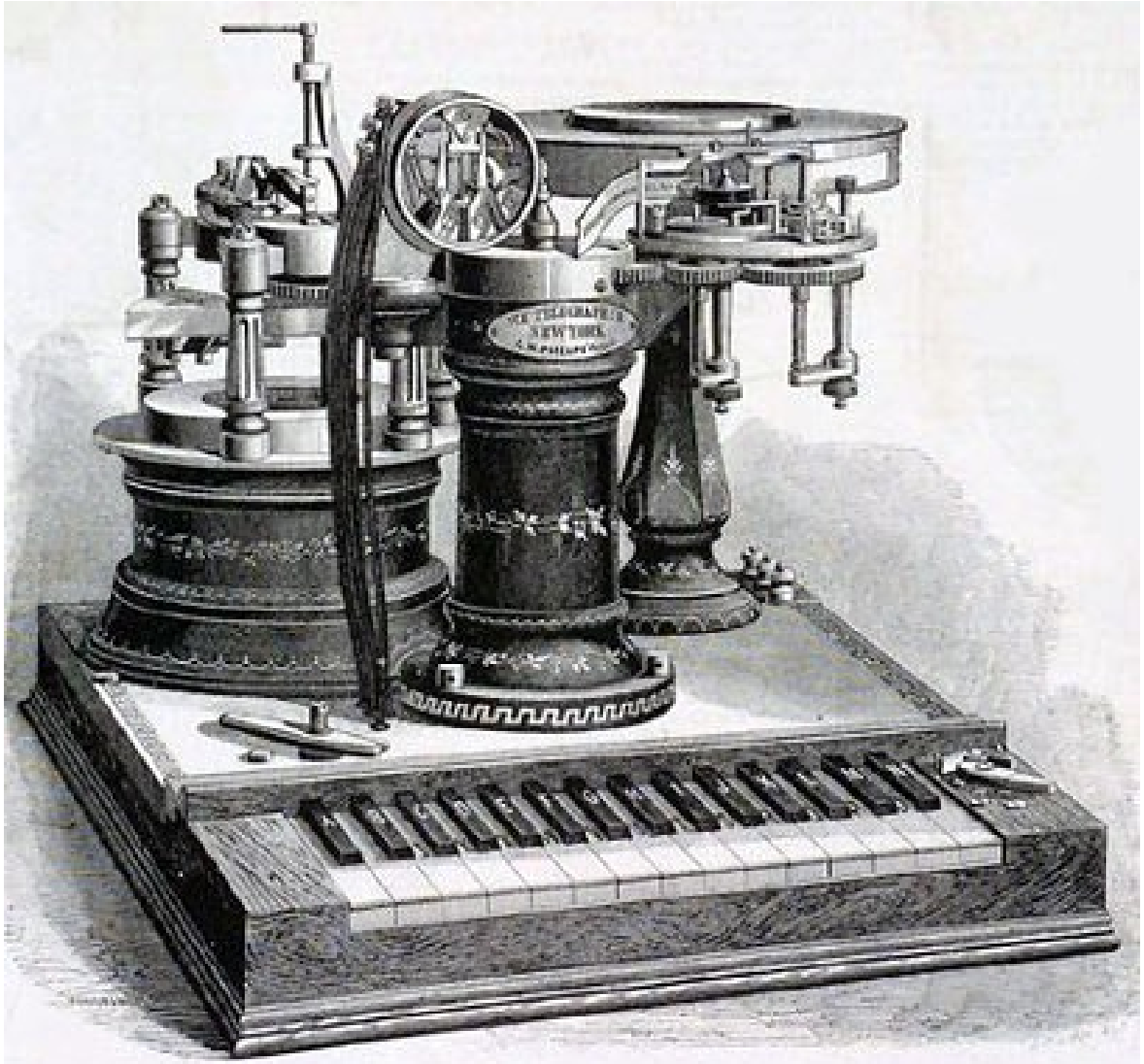
Java Community Process

Electricity



Telegraph



THE PHELPS ELECTRO-MOTOR PRINTING TELEGRAPH

http://jcp.org

Java Community Process

Telephone

Cellphones

http://jcp.org

Java Community Process

Telecommunications

http://jcp.org

Java Community Process

Everyday
Life

Beer

http://jcp.org

Java Community Process

Clothing

http://jcp.org

Java Community Process

Traffic

Shipping

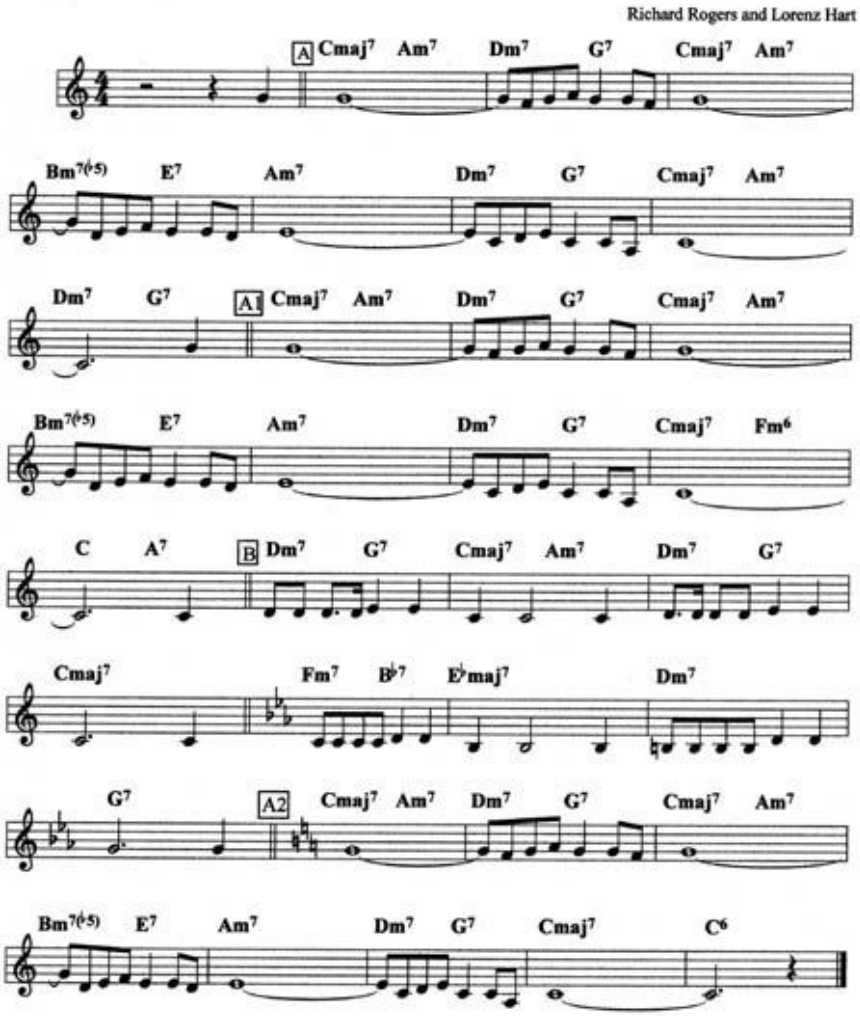
Postage

http://www.upu.int/

http://jcp.org

Java Community Process

Music



ISO 16:1975 Acoustics -- Standard tuning frequency
(Standard musical pitch)

Color

http://www.color.org

Chocolate

WHO/FAO: Codex Alimentarius Official Standard for Chocolate

http://jcp.org

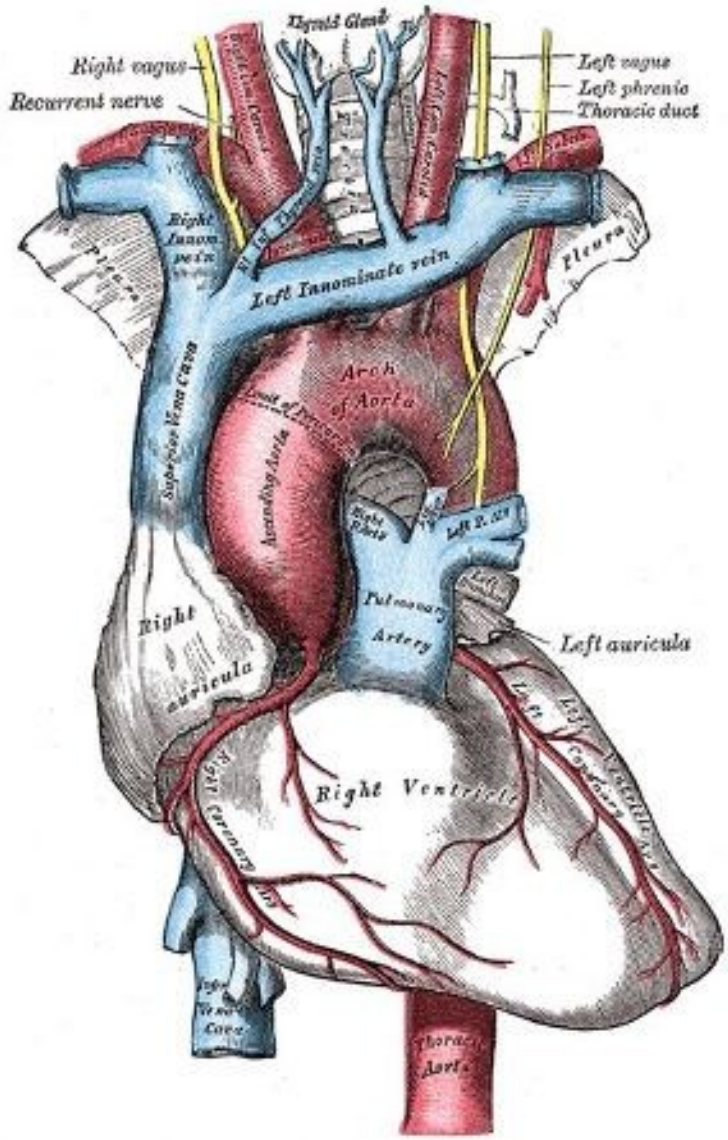
Java Community Process

Sport

http://www.lords.org/laws-and-spirit/laws-of-cricket/laws/

http://jcp.org

Java Community Process



Chronic rheumatic heart diseases

I05: Rheumatic mitral valve diseases

Includes:
conditions classifiable to 105.0 and 105.2-105.9, whether specified as rheumatic or not
Excludes:
when specified as nonrheumatic
I05.0: Mitral stenosis
Mitral (valve) obstruction (rheumatic)
I05.1: Rheumatic mitral insufficiency
Rheumatic mitral
• Incompetence
•Regurgitation
I05.2: Mitral stenosis with insufficiency
Mitral stenosis with incompetence or regurgitation
I05.8:Other mitral valve diseases
Mitral (valve) failure
I05.9: Mitral valve disease, unspecified
Mitral (valve) disorder (chronic) NOS

From the World Health Organization International Classification of Diseases

Shopping

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Books

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Home entertainment

http://jcp.org

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Disaster strikes!

Baltimore, 1904

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Mars orbiter, 1999

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And so.....?

The $64,000 question...

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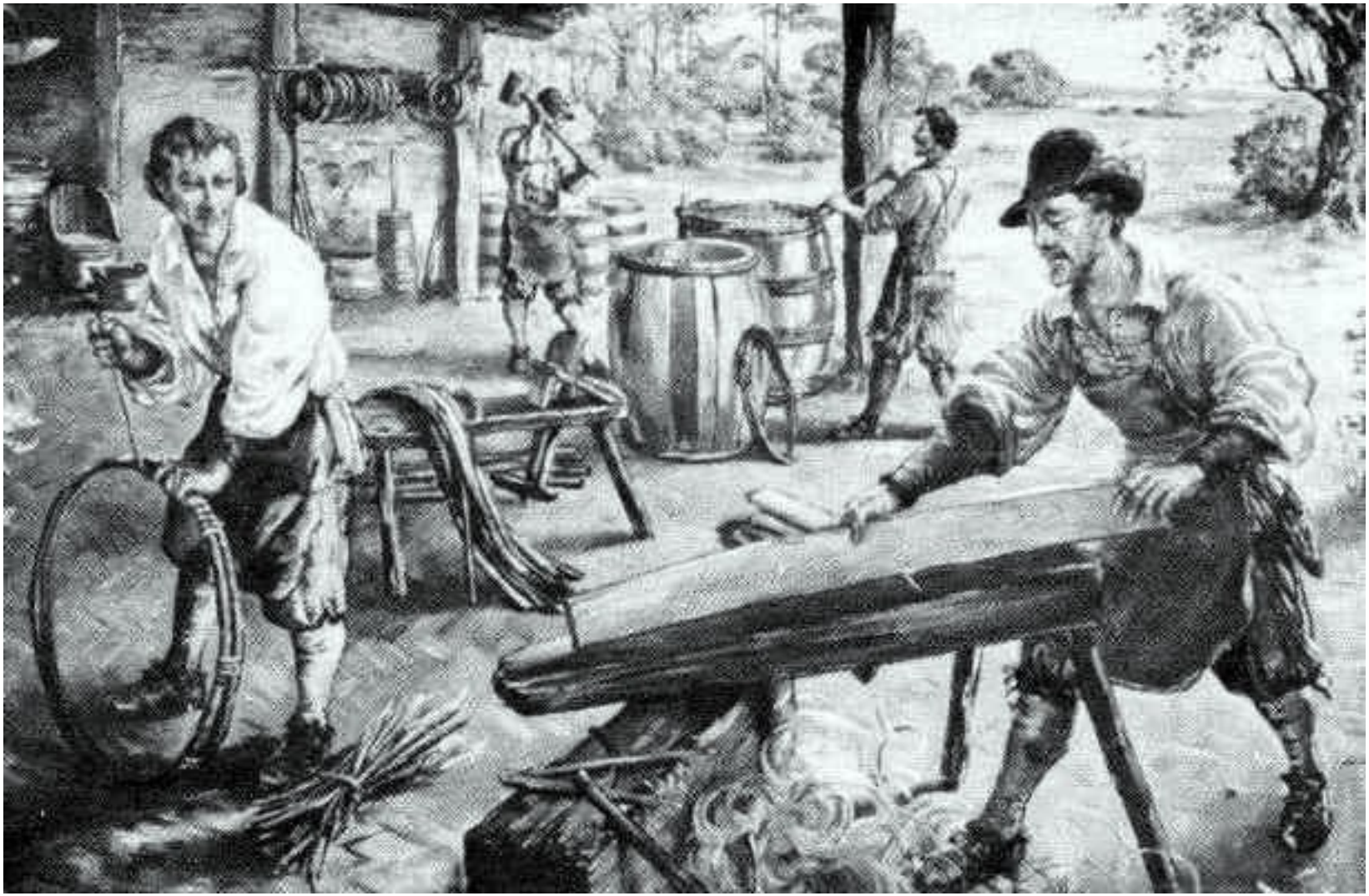
Java Community Process

Are we Artisans...



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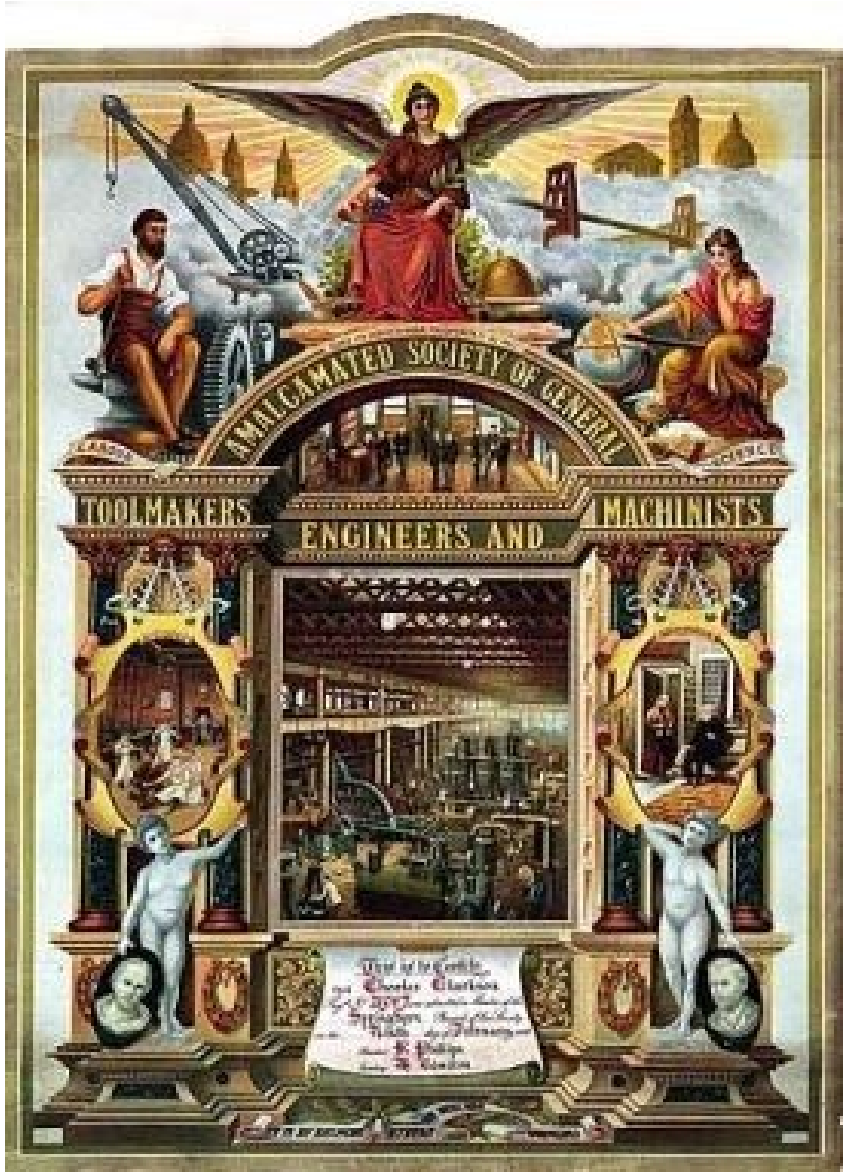
Java Community Process

Or engineers?



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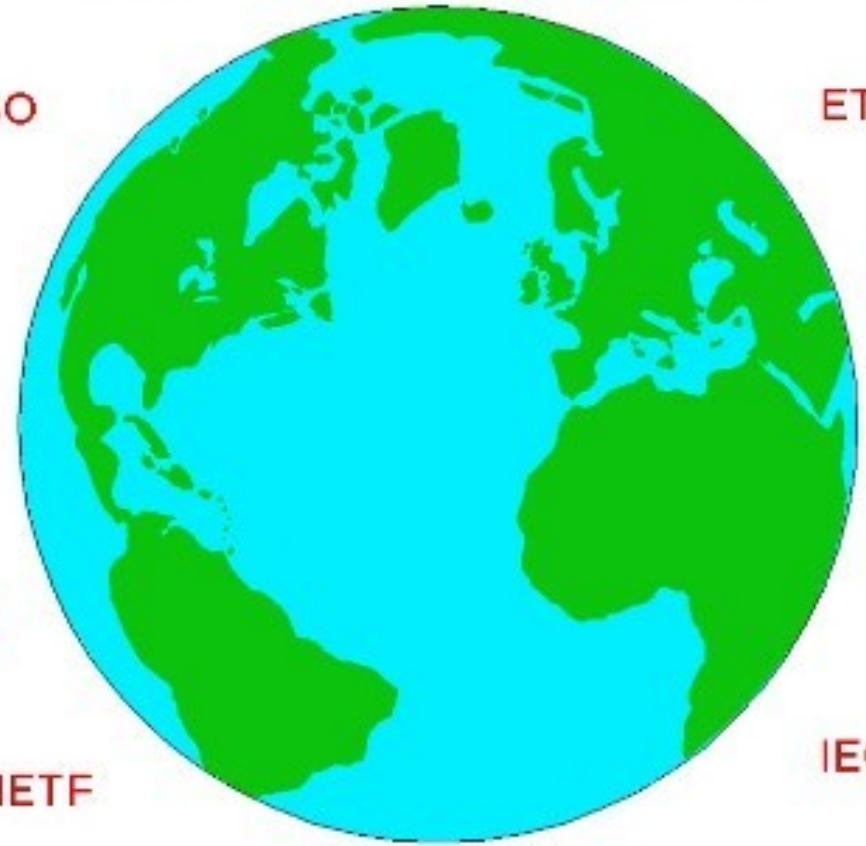
Java Community Process

http://jcp.org

Java Community Process

Standards make the world go round



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Java Community Process

Languages & protocols

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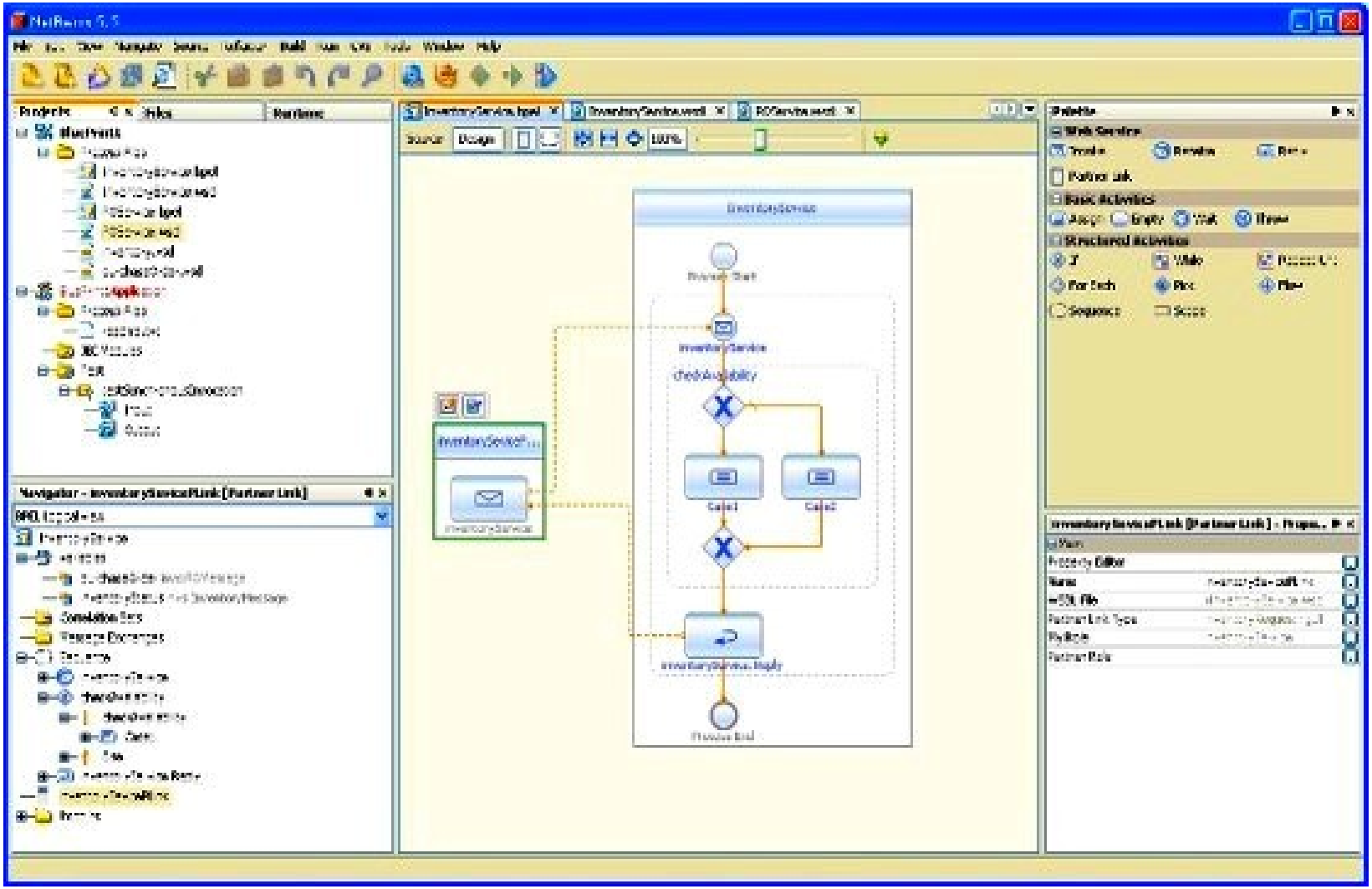
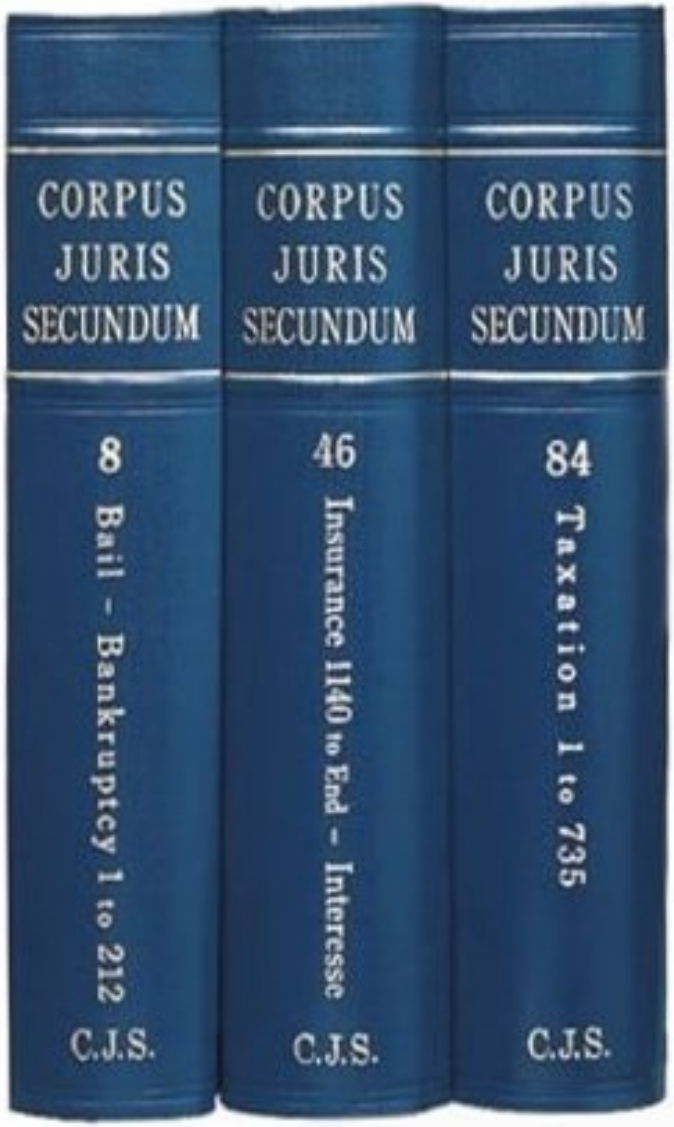
Java Community Process

Interfaces



Specifications



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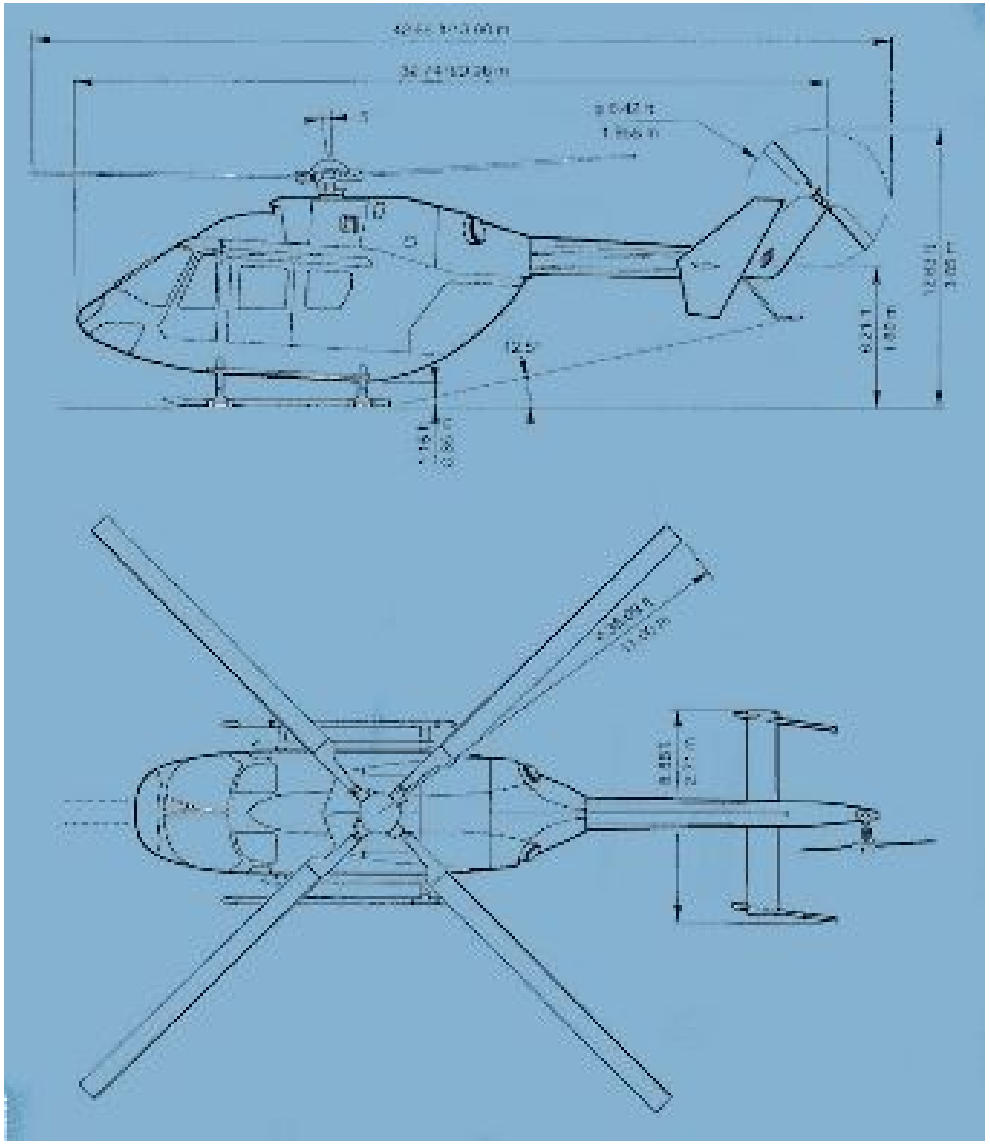
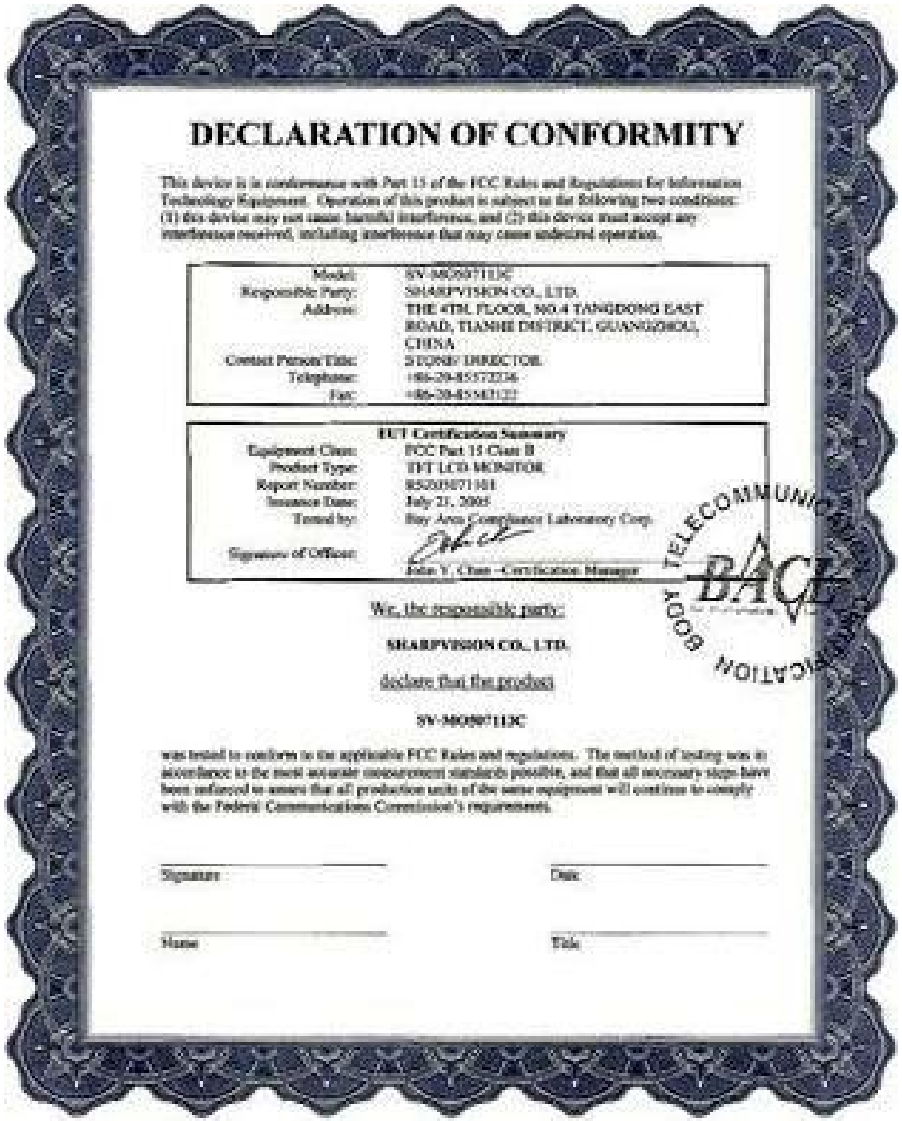
Java Community Process

Blueprints



Certification



DECLARATION OF CONFORMITY

This device is in conformance with Part 15 of the FCC Rules and Regulations for Information Technology Equipment. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Model:	SV-MO50711C
Responsible Party:	SHARPVISION CO., LTD.
Address:	THE 4TH. FLOOR, NO.4 TANGDONG EAST ROAD, TIANHE DISTRICT, GUANGZHOU, CHINA
Contact Person/Title:	SUDENG/ DIRECTOR
Telephone:	+86-20-85572236
Fax:	+86-20-85581227

EUT Certification Summary

Equipment Class:	FCC Part 15 Class B
Product Type:	TFT LCD MONITOR
Report Number:	R5030871101
Issuance Date:	July 21, 2005
Tested by:	Bay Area Compliance Laboratory Corp.
Signature of Officer:	John Y. Chan - Certification Manager

TELECOMMUNICATION EQUIPMENT CERTIFICATION BACL

We, the responsible party:

SHARPVISION CO., LTD.

declare that the product

SV-MO50711C

was tested to conform to the applicable FCC Rules and regulations. The method of testing was in accordance to the most accurate measurement standards possible, and that all necessary steps have been enforced to ensure that all production units of the same equipment will continue to comply with the Federal Communications Commission's requirements.

Signature _____ Date _____

Name _____ Title _____

Vendor lock-in

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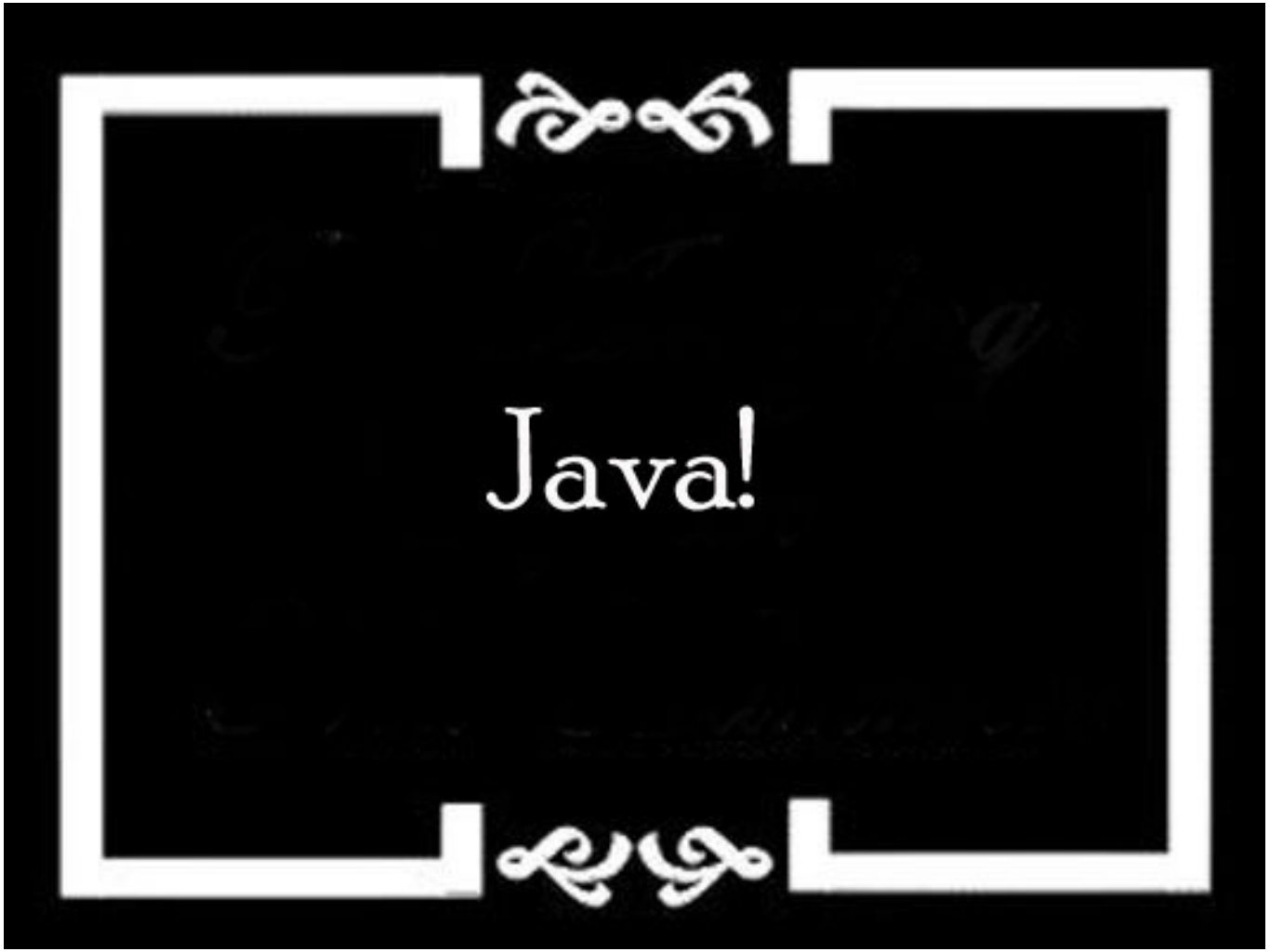
Java Community Process

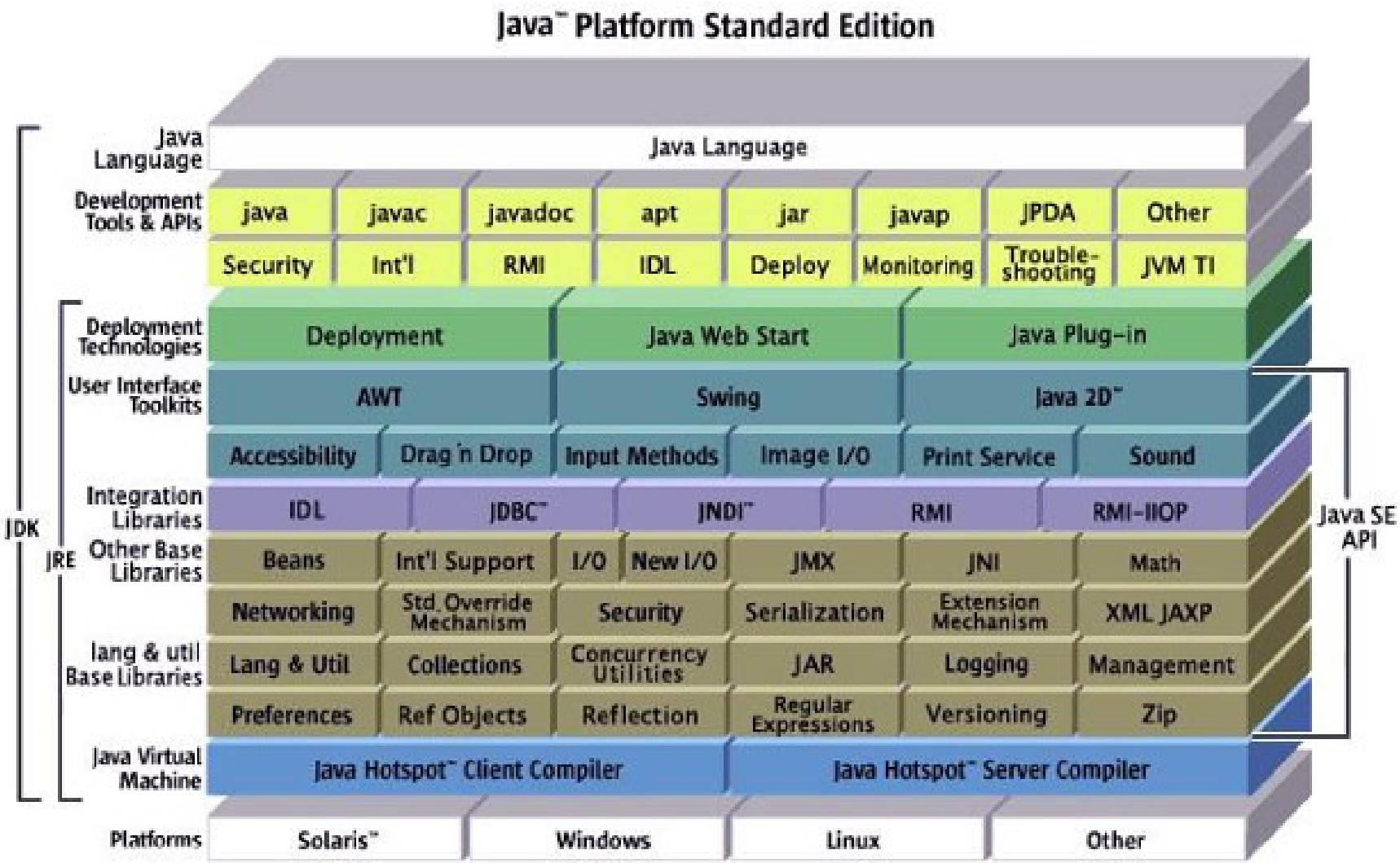
Industrial-strength systems

http://jcp.org

Java Community Process


Java!

Java SE



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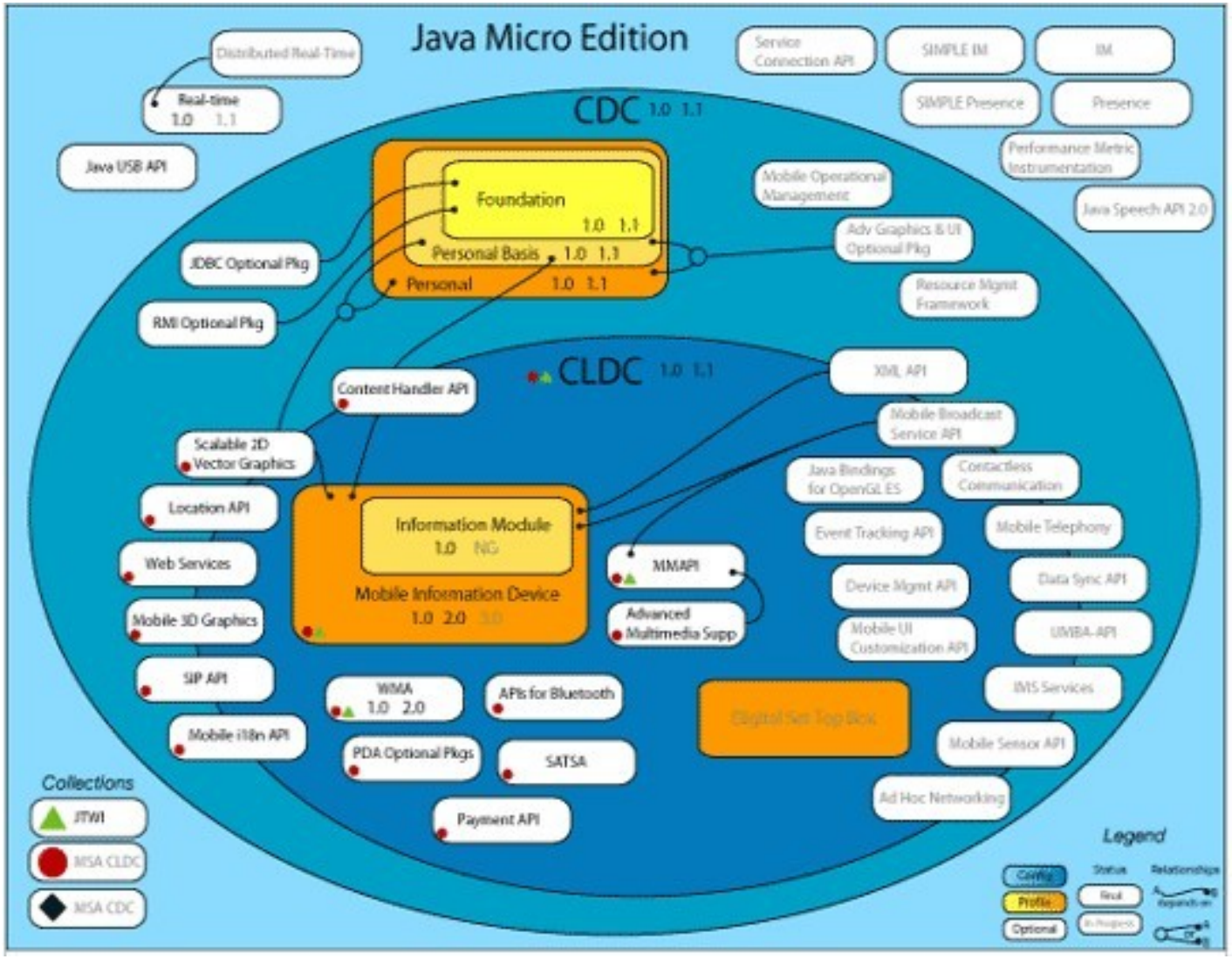
Java Community Process

Java ME



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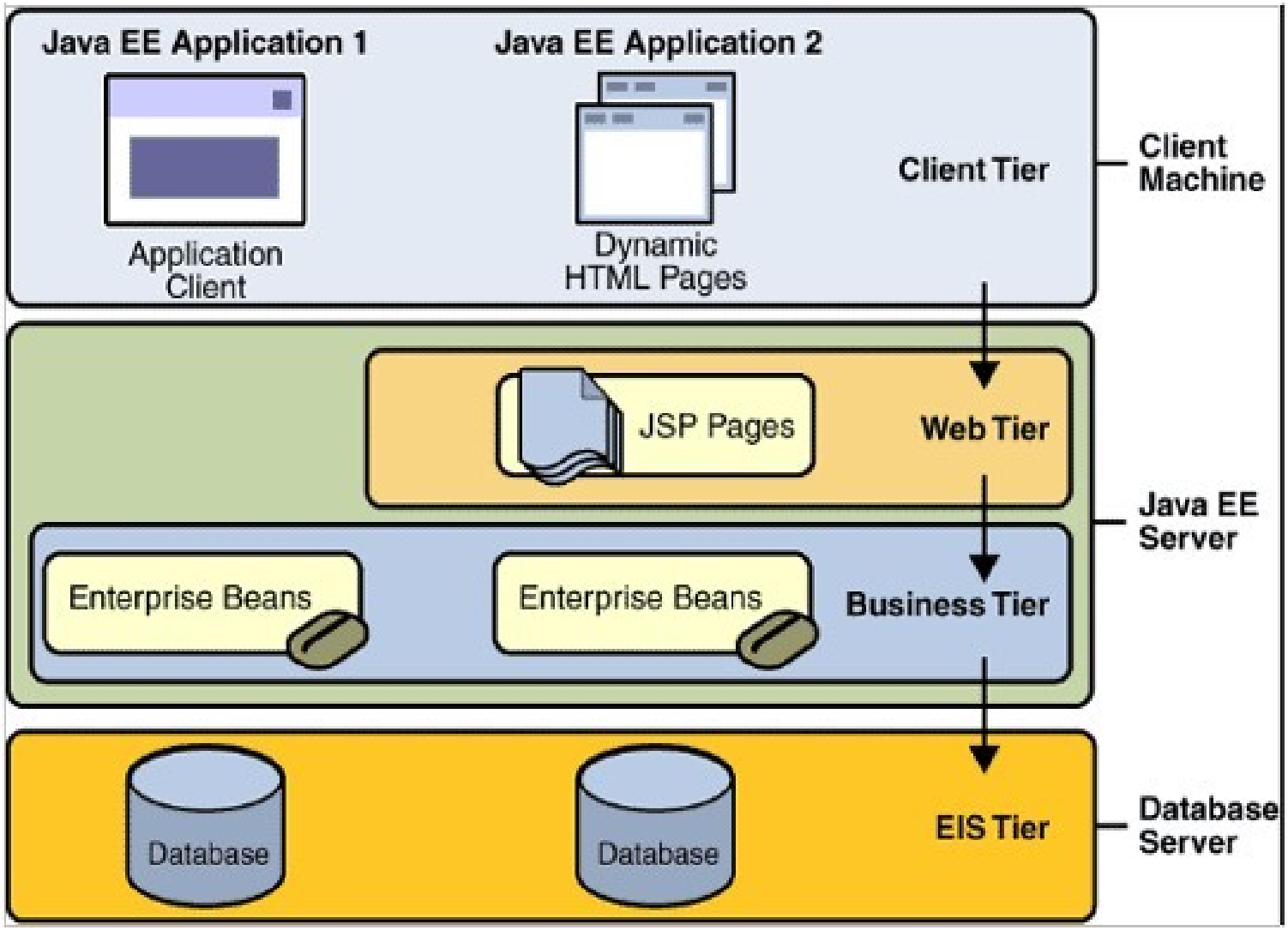
Java Community Process

Java EE



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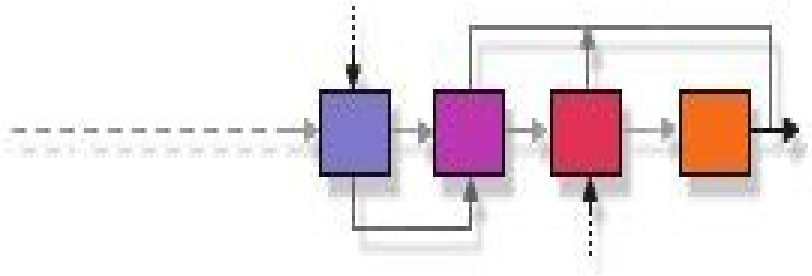
Java Community Process

The Java Community Process

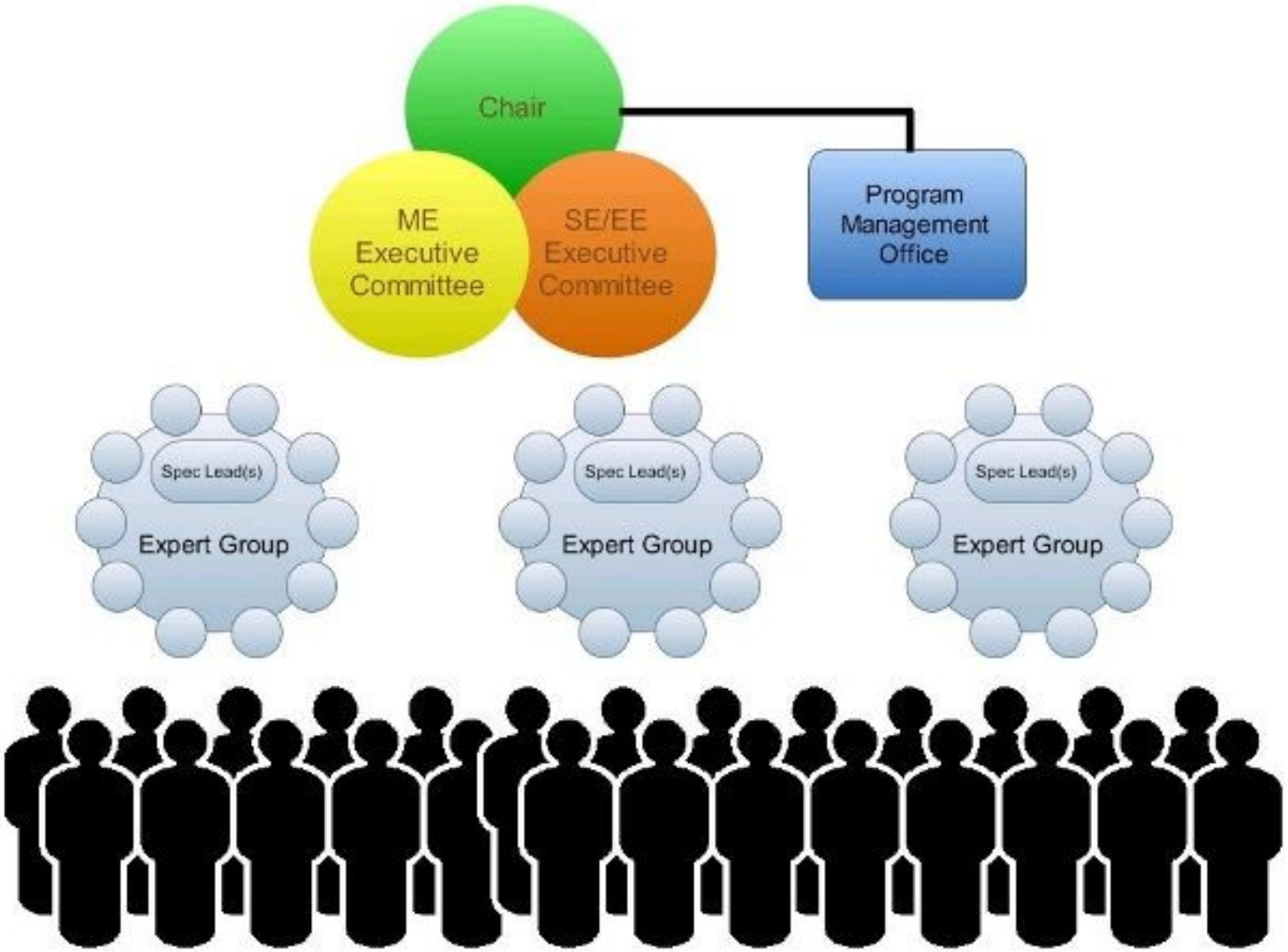


Community Development of
Java Technology Specifications

http://jcp.org

Java Community Process

Organization



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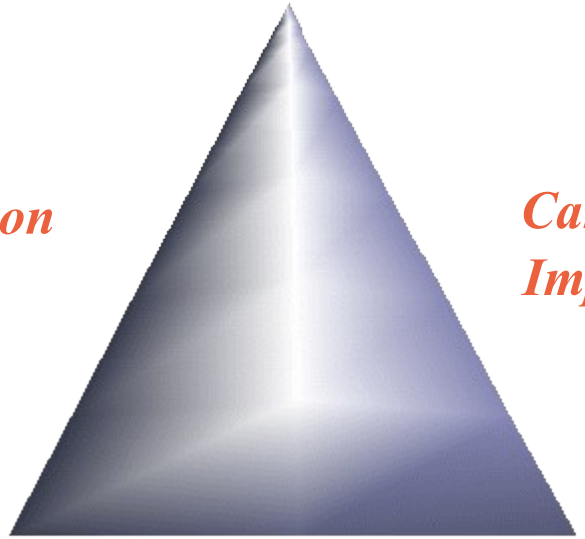
Java Community Process

Deliverables

Specification

Is the Specification unambiguous?

Can you build an Implementation?



Conformance Test Suite

Reference Implementation

Is the Test Suite correct?
Does the RI conform?

Deliverables

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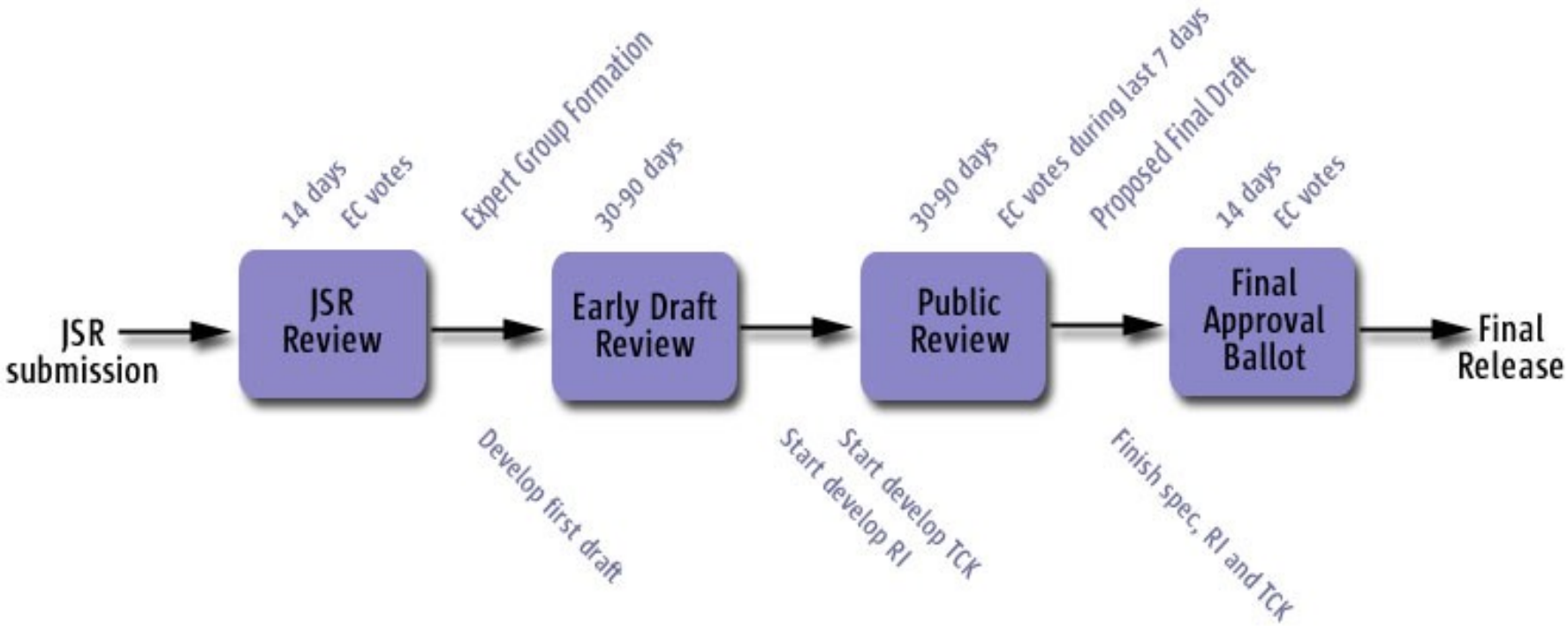
Java Community Process

The JSR development cycle



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Java Community Process

Open Source

Open Source

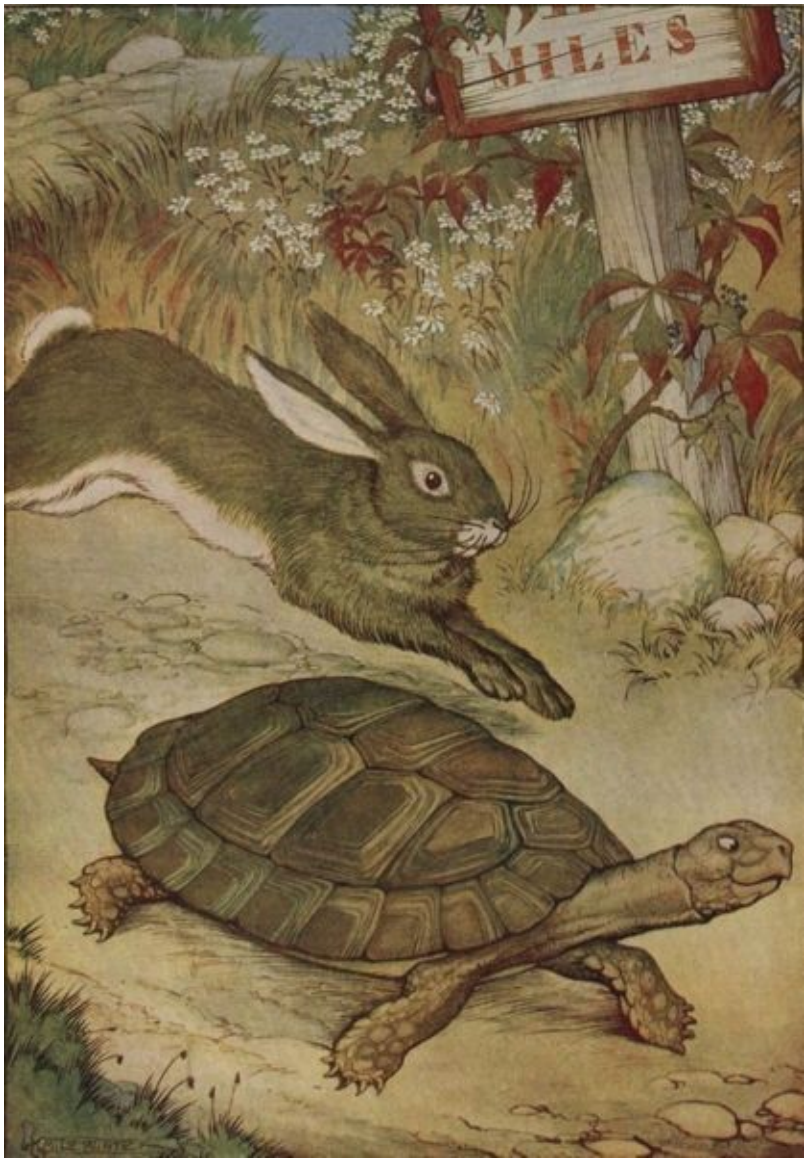
http://jcp.org

Java Community Process

Hmmm...

- **Linux**
  - POSIX (IEEE 1003, ISO/IEC 9945)
  - Single UNIX Specification (SUS)
  - Linux Standard Base
- **Apache**
  - HTTP, HTML, XHTML, authentication
  - http://httpd.apache.org/docs/2.0/misc/relevant_standards.html
- **MySQL**
  - ANSI/ISO SQL
    http://dev.mysql.com/doc/refman/5.0/en/compatibility.html
- **PHP**
  - ??? (but see Fortran, COBOL, C, C++. Java, C#...)

Agility



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Java Community Process

Teamwork

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Java Community Process

Access

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Java Community Process

Transparency

Open Source AND Open Standards

http://jcp.org

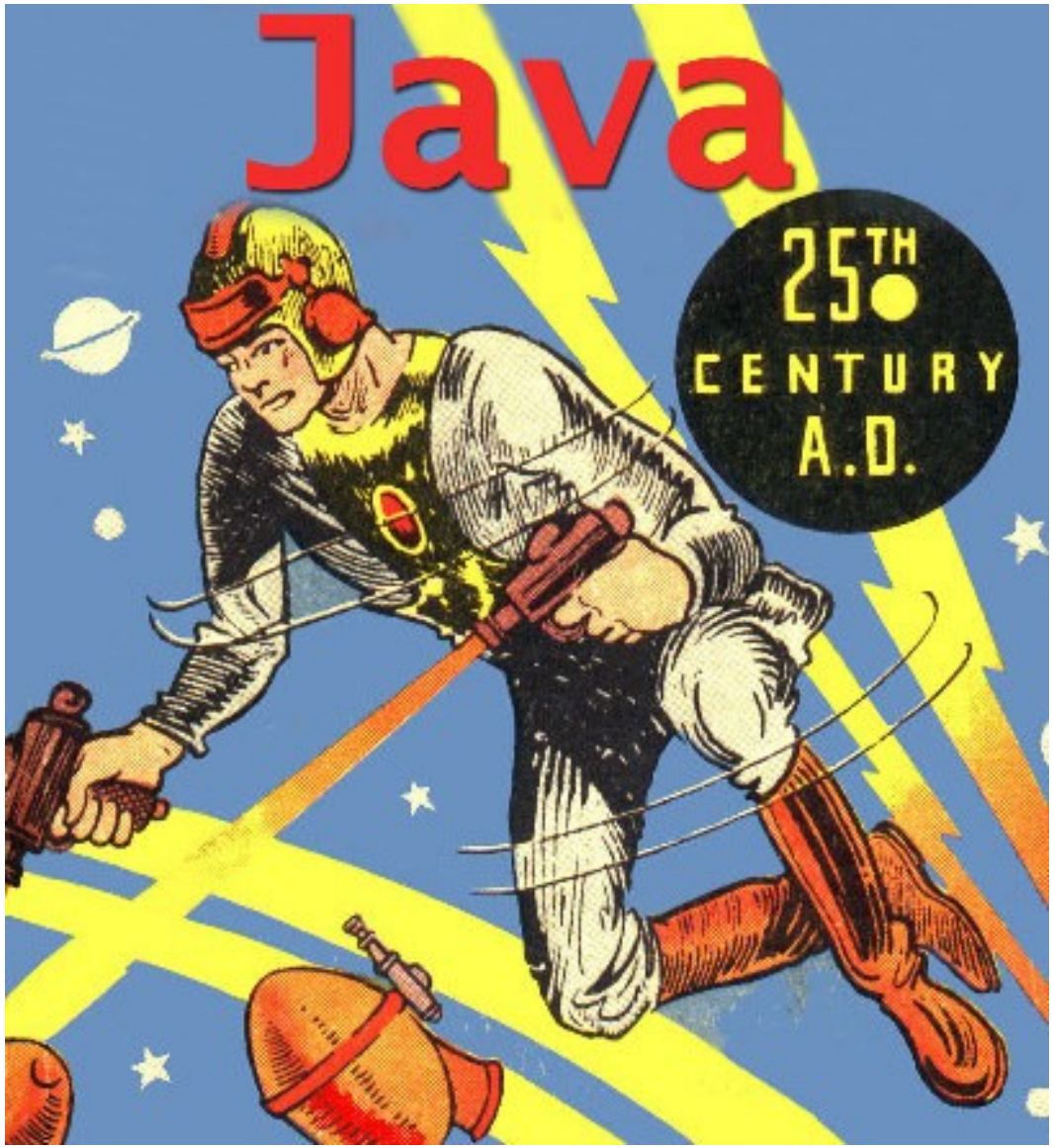
Java Community Process

Solutions for everyone

http://jcp.org

Java Community Process

Thank you!



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Java Community Process

The End