What You Should Know

- Familiarity with Java

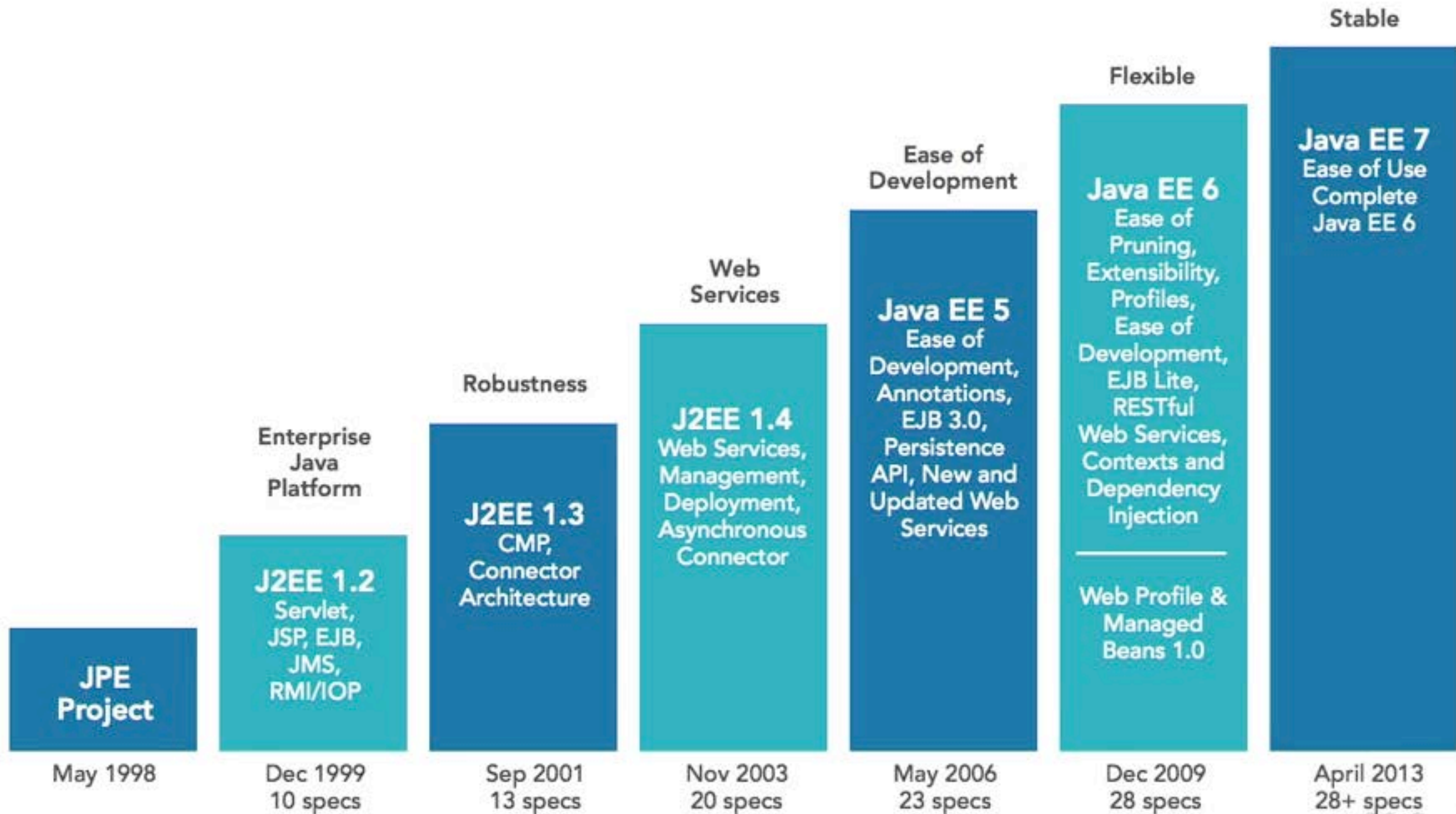- No previous knowledge of Java EE required

Challenges

- Hands-on activities to practice code

- Define main objectives

- Timing estimate to complete

- Step-by-step instructions in the solution videos

What is Java EE?

- Set of APIs and runtime

- Annotation-based configuration

- XML optional

- Contexts and Dependency Injection (CDI)

Stable

Java EE 7
Ease of Use
Complete
Java EE 6

Flexible

Java EE 6
Ease of
Pruning,
Extensibility,
Profiles,
Ease of
Development,
EJB Lite,
RESTful
Web Services,
Contexts and
Dependency
Injection

Web Profile &
Managed
Beans 1.0

Ease of
Development

Java EE 5
Ease of
Development,
Annotations,
EJB 3.0,
Persistence
API, New and
Updated Web
Services

Web
Services

J2EE 1.4
Web Services,
Management,
Deployment,
Asynchronous
Connector

Robustness

J2EE 1.3
CMP,
Connector
Architecture

Enterprise
Java
Platform

J2EE 1.2
Servlet,
JSP, EJB,
JMS,
RMI/IOP

JPE
Project

May 1998

Dec 1999
10 specs

Sep 2001
13 specs

Nov 2003
20 specs

May 2006
23 specs

Dec 2009
28 specs

April 2013
28+ specs

Batch	Dependency Injection	JACC	JAXR	JSTL	Management
Bean Validation	Deployment	JASPIC	JMS	JTA	Servlet
CDI	EJB	JAX-RPC	JSF	JPA	Web Services
Common Annotations	EL	JAX-RS	JSON-P	JavaMail	Web Services Metadata
Concurrency EE	Interceptors	JAX-WS	JSP	Managed Beans	WebSocket
Connector	JSP Debugging	JAXB			
JSON-B	Security	Configuration	Health Check		
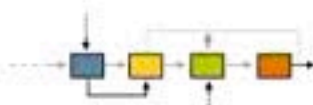
https://jcp.org/en/home/index

Java Community Process

Community Development of Java Technology Specifications

Welcome to the Java Community Process!

Welcome to jcp.org, home of the Java Community Process[SM] (JCP[SM]) Program. The JCP is the mechanism for developing standard technical specifications for Java technology. Anyone can register for the site and participate in reviewing and providing feedback for the Java Specification Requests (JSRs), and anyone can sign up to become a JCP Member and then participate on the Expert Group of a JSR or even submit their own JSR Proposals.

To get the most out of the site, register now.

For more information about the JCP Program, refer to our overview page.

Facebook   twitter
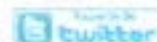
EC Elections Ballot Sent

The link to the 2016 Fall Executive Committee (EC) Elections ballot was sent to all eligible JCP Members. The ballot closes at 11:59PM Pacific Standard Time on 14 November, 2016. Make sure to cast your vote!

Check the qualifications of the candidates.

14th Annual JCP Program Awards Winners Announced

The winners of the 14th annual JCP Program Awards were announced at the Annual JCP Community Party.

JCP Membership Drive 2016

Join the JCP during our Memberhip Drive and pick up a JCP T-shirt or PluralSight voucher (limited quantity, first come, first served for new Associate JCP Memberships)!

JCP Memberships and the JSR 364 Final Release

The JCP Program Office and Executive Committee (EC) are excited to announce the release of JSR 364, Broadening JCP Membership! With this release, the JCP Process Document is upgraded to version 2.10 from version 2.9.

A significant change in this JSR is the introduction of new levels of Membership - Full Membership, Partner Membership, and Associate Membership. For more information about the Memberships the JCP offers, please see the JCP Participation Overview page and check the flowchart list to see which Membership applies to you.

JSRs

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- » JSRs by Stage
- » JSRs by Committee
- » List of All JSRs

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JCP 2
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Multimedia page
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JCP Community Page

News

JSR 223 Scripting for the Java Platform Maintenance Review

JSR 364 Broadening JCP Membership Maintenance Release

JSR 363 Units of Measurement API Final Release

JSR 250 Common Annotations for the Java Platform Maintenance Release 2

JSR 364 Broadening JCP Membership Maintenance Review

JSR 363 Units of Measurement API Proposed Final Draft

JSR 362 Portlet Specification 3.0 Early Draft Review 2

JSR 380 Bean Validation 2.0 JSR Proposal

JSR 173 Streaming API for XML Maintenance Review 5

https://jcp.org/en/jsr/platform

Java Community Process

Community Development of Java Technology Specifications

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JSRs: Java Specification Requests

JSRs by Platform

Certain JSRs directly relate to one or more of the Java platforms. There are collections of standards that comprise the three Java editions: Standard, Enterprise and Micro, as well as many JSRs are not part of the platform, but rather augment that platform. This page lists the JSRs that relate to a particular edition.

Java EE (54 JSRs)
The Java Enterprise Edition offers APIs and tools for developing multitier enterprise applications. The JSRs in this list are part of the Java EE platform as component or umbrella JSRs.

Java SE (58 JSRs)
The Java Standard Edition offers APIs and tools for developing desktop and server-side enterprise applications. The JSRs in this list are part of the Java SE platform as component or umbrella JSRs.

Java ME (85 JSRs)
Java ME technology, Java Micro Edition, specifically addresses the vast consumer space, which covers the range of extremely tiny commodities such as smart cards or a pager all the way up to the set-top box, an appliance almost as powerful as a computer.

https://www.jcp.org/en/jsr/platform

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JAVA EE GUARDIANS

The Evidence • Who We Are • What We Are Doing • How You Can Help

WELCOME TO THE JAVA EE GUARDIANS

We are an independent group of people interested in moving Java EE forward. We are very concerned about Oracle's current lack of commitment to Java EE and we are doing everything we can to preserve the interests of the Java EE community. Our purpose is advocacy, raising awareness, finding solutions, collaboration and mutual support. We believe that together – *including Oracle* – we can prove that this is the dawn of a new era for an ever brighter future for Java, Java EE and server-side computing.

To make any of this possible, we urgently need your support. Every voice counts.
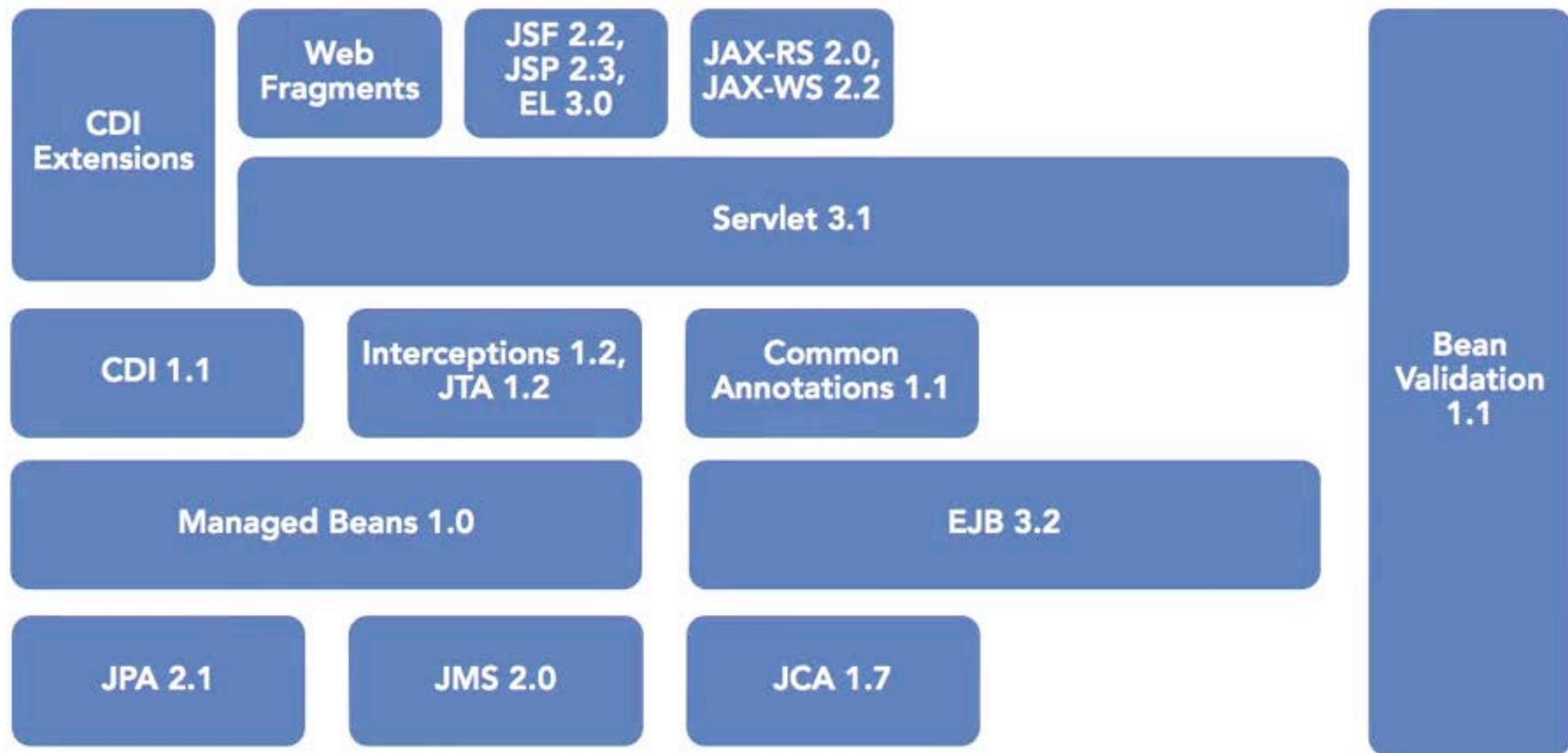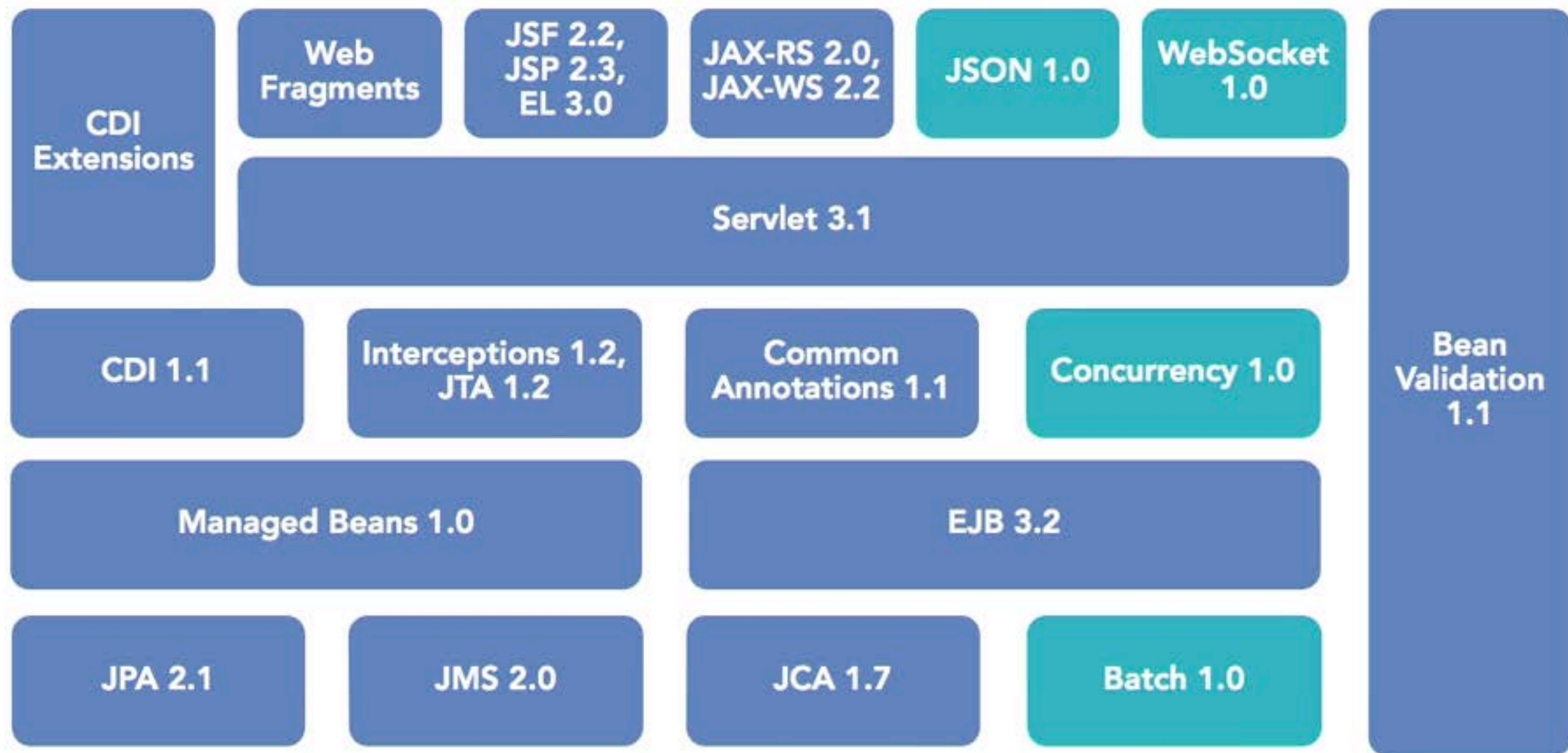
https://www.javaee-guardians.io

JAVA EE
GUARDIANS

CDI Extensions

Web Fragments

JSF 2.2, JSP 2.3, EL 3.0

JAX-RS 2.0, JAX-WS 2.2

Servlet 3.1

CDI 1.1

Interceptions 1.2, JTA 1.2

Common Annotations 1.1

Managed Beans 1.0

EJB 3.2

JPA 2.1

JMS 2.0

JCA 1.7

Bean Validation 1.1

CDI Extensions

Web Fragments

JSF 2.2, JSP 2.3, EL 3.0

JAX-RS 2.0, JAX-WS 2.2

JSON 1.0

WebSocket 1.0

Servlet 3.1

CDI 1.1

Interceptions 1.2, JTA 1.2

Common Annotations 1.1

Concurrency 1.0

Bean Validation 1.1

Managed Beans 1.0

EJB 3.2

JPA 2.1

JMS 2.0

JCA 1.7

Batch 1.0

localhost:8080/cargo-tracker/public/track.xhtml?jfwid=87dd77284fb9007bca29a35d1a13:2

Cargo Tracker - Powered by Java EE 7

Tracking ID ABC123   **Track!**

Cargo **ABC123** is currently **In port New York**

Estimated time of arrival in **Helsinki**: 03/12/2015 12:00 AM PDT

Handling History
- ✔ Received in Hong Kong, at 03/01/2015 12:00 AM PST.
- ✔ Loaded onto voyage 0100S in Hong Kong, at 03/02/2015 12:00 AM PST.
- ✔ Unloaded off voyage 0100S in New York, at 03/05/2015 12:00 AM PST.

localhost:8080/cargo-tracker/admin/dashboard.xhtml

Cargo Tracker - Powered by Java EE 7

Dashboard Book Track Live About

Routed

Id	Origin	Destination	Last Known Location	Status	Deadline
ABC123 ⓘ	Hong Kong CNHKG	Helsinki FIHEL	New York USNYC	IN_PORT	03/15/2015 12:00 AM PDT
JKL567 ⓘ	Hangzhou CNHGH	Stockholm SESTO	New York USNYC	ONBOARD_CARRIER	03/18/2015 12:00 AM PDT

Not Routed

Id	Origin	Destination	Deadline
DEF789 🌐	Hong Kong - CNHKG	Melbourne - AUMEL 🖉	11/18/2015 - 12:00 AM PST

Claimed

Id	Origin	Destination
MNO456 ⓘ	New York - USNYC	Dallas - USDAL

localhost:8080/cargo-tracker/admin/show.xhtml?trackingId=ABC123&jfwid=87dd77284fb9007bca29a35d1a13%3A4

Cargo Tracker - Powered by Java EE 7

Dashboard   Book   Track   Live   About

Routing Details of cargo ABC123

Origin: Hong Kong   CNHKG

Destination: Helsinki   FIHEL

Arrival deadline: 03/15/2015   12:00 AM PDT

Voyage	Load	at	Unload	at
0100S	Hong Kong CNHKG	03/02/2015 12:00 AM PST	New York USNYC	03/05/2015 12:00 AM PST
0200T	New York USNYC	03/06/2015 12:00 AM PST	Dallas USDAL	03/08/2015 12:00 AM PST
0300A	Dallas USDAL	03/09/2015 12:00 AM PDT	Helsinki FIHEL	03/12/2015 12:00 AM PDT

←

Cargo Tracker - Powered by Java EE 7

Dashboard   Book   Track   Live   About

online

localhost:8080/cargo-tracker/admin/map.xhtml?jfwid=87dd77284fb9007bca29a35d1a13:5

Cargo Tracker - Powered by Java EE 7

1.Choose the origin of the new cargo

Chicago (USCHI)

Cancel   Next

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localhost:8080/cargo-tracker/admin/map.xhtml?jfwid=87dd77284fb9007bca29a35d1a13:5

Cargo Tracker - Powered by Java EE 7

Dashboard Book Track Live About

1.Choose the origin of the new cargo

Chicago (USCHI)

Chicago (USCHI)

Dallas (USDAL)

Guttenburg (SEGOT)

Hamburg (DEHAM)

Hangzhou (CNHGH)

Helsinki (FIHEL)

Hong Kong (CNHKG)

Cancel Next

localhost:8080/cargo-tracker/admin/map.xhtml?jfwid=87dd77284fb9007bca29a35d1a13:5

Cargo Tracker - Powered by Java EE 7

2. Set the destination for this new cargo coming from Dallas

Guttenburg (SEGOT) ▼

Back   Cancel   Next

localhost:8080/cargo-tracker/admin/map.xhtml?jfwid=87dd77284fb9007bca29a35d1a13:5

Cargo Tracker - Powered by Java EE 7

3. Set the arrival deadline for this new Dallas-Guttenburg cargo

		October 2016				
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Back   Cancel   Book Cargo

localhost:8080/cargo-tracker/admin/map.xhtml?jfwid=87dd77284fb9007bca29a35...

localhost:8080/cargo-tracker/admin/map.xhtml?jfwid=87dd77284fb9007bca29a35d1a13:5

Cargo Tracker - Powered by Java EE 7

3. Set the arrival deadline for this new Dallas-Guttenburg cargo

			October 2016			
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Journey duration is 5 days.

Back   Cancel   Book Cargo

Cargo Tracker - Powered by Java EE 7

Dashboard   Book   Track   Live   About

Routed

Id	Origin	Destination	Last Known Location	Status	Deadline
ABC123 ⓘ	Hong Kong CNHKG	Helsinki FIHEL	New York USNYC	IN_PORT	03/15/2015 12:00 AM PDT
JKL567 ⓘ	Hangzhou CNHGH	Stockholm SESTO	New York USNYC	ONBOARD_CARRIER	03/18/2015 12:00 AM PDT

Not Routed

Id	Origin	Destination	Deadline
DEF789 🌐	Hong Kong - CNHKG	Melbourne - AUMEL 📝	11/18/2015 - 12:00 AM PST
D85670AE 🌐	Dallas - USDAL	Guttenburg - SEGOT 📝	10/29/2016 - 12:00 AM PDT

Claimed

Id	Origin	Destination
MNO456 ⓘ	New York - USNYC	Dallas - USDAL

Event Logger - Google Chr...   —   □   ×

ⓘ localhost:8080/cargo-tracker/eventLogger/eve

n/dashboard.xhtml?jfwid=87dd77284fb9007bca29a35d1a13:5   ☆

Quit   **Event Logger**   Next   red by Java EE 7   **Dashboard**   **Book**   **Track**   **Live**   **About**

JKL567   ▼

Port   ▼

Event   ▼

Voyage   ▼

Event Logger - Google Chr...   —   □   ×   n/dashboard.xhtml?jfwid=87dd77284fb9007bca29a35d1a13:5   ☆   ●

localhost:8080/cargo-tracker/eventLogger/eve

| Quit | **Event Logger** | Next | red by Java EE 7 | Dashboard | Book | Track | Live | About |

JKL567 ⌄

SESTO ⌄

UNLOAD ⌄

0300A ⌄

Event Logger - Google Chr... — □ ✕

localhost:8080/cargo-tracker/eventLogger/eve

n/dashboard.xhtml?jfwid=87dd77284fb9007bca29a35d1a13:5

Quit **Event Logger** Next

red by Java EE 7

Dashboard **Book** **Track** **Live** **About**

Tracking ⌄

Port ⌄

Event ⌄

Event submitted

Voyage ⌄

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ⓘ localhost:8080/cargo-tracker/eventLogger/eve

Quit   **Event Logger**   Next   red by Java EE 7   **Dashboard**   **Book**   **Track**   **Live**   **About**

Tracking ⌄

Port ⌄

⌄

ⓘ **Event submitted**

⌄