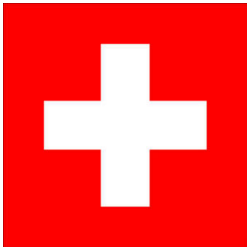
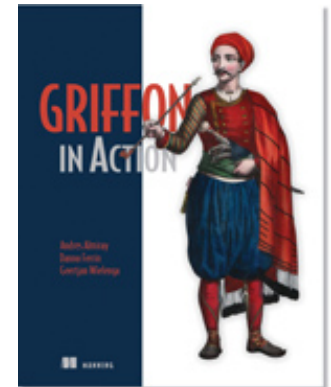


[DESKTOP|EMBEDDED] APPLICATION API JSR



canoo



PREVIOUS ATTEMPTS

JSR 193 – Client Side Container

JSR 296 – Swing Application Framework

JSR 295 – Beans Binding

JSR 296 had the following goals

- application life cycle**

- localized resources (and injection)**

- persisted session state**

- loosely coupled actions**

- targeted only Swing for obvious reasons**

CURRENT STATE

Several UI toolkits to choose from:

Swing, JavaFX, SWT

Apache Pivot, Lanterna, Qt

Several frameworks to choose from:

Eclipse 4 Platform, NetBeans

Griffon

DataFX, JacpFX, MvvmFX, JVx

and more ...

FRAMEWORKS

Many of the listed frameworks offer the following capabilities implemented in different ways:

- application life cycle**

- localized resources (and injection)**

- persisted session state**

- loosely coupled actions**

- dependency injection**

- event system**

- centralized error management**

- extension points via plugins**

TARGET ENVIRONMENT

All of the listed frameworks support the Desktop as target environment.

Only a few can be used in an Embedded environment (where Java SE is supported).

Embedded Java UI applications can be built as applications that target the Desktop; share codebase even.

GOALS OF THIS JSR

Target Desktop and Embedded environments

Support several toolkits

Be an standalone JSR, i.e, no need to include in JDK

Leverage existing JSRs:

JSR 330 – Dependency Injection

JSR 365 – Event bus (from CDI 2.0)

Java Config (?)

CORE FEATURES

application life cycle

localized resources (and injection)

configuration

MVC artifacts

loosely coupled actions

dependency injection

event system

centralized error management

extension points via plugins

POSSIBLE ADDITIONS

Runtime:

persisted session state

artifact introspection API

Buildtime:

test support

deployment

SUPPORTERS

Java Champions such as

**Johan Voss, Alan Williamson, Lars Vogel,
Jim Weaver, Gerrit Grunwald**

Well known Java community members

**Sven Reimers, Hendrik Ebbers, Sharat Shandler
Raj Mahendra (JUG Hyderabad)
Mohamed Taman (Morocco JUG)**

Vendors

BSI (interested)

QUESTIONS?