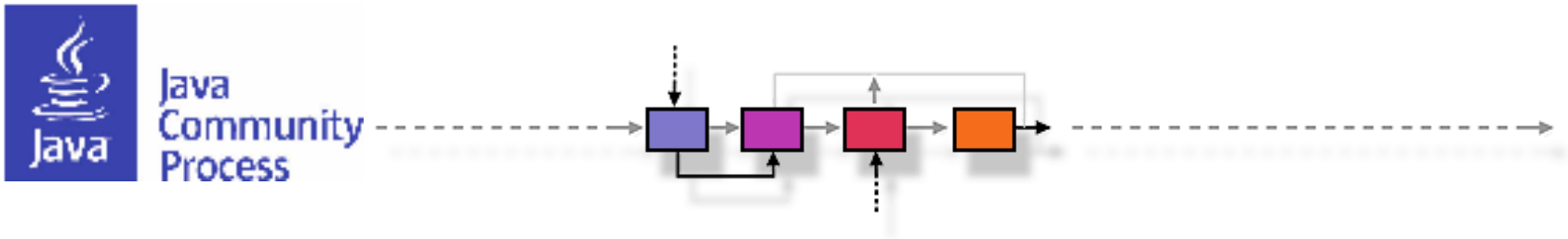


JSR 378 - 2nd Public Review

June 8, 2021

Neil Griffin
Specification Lead
Liferay, Inc.

About JSR 378

- **Title**:

  Portlet 3.0 Bridge for JavaServer™ Faces 2.2 Specification

- **Goal**:

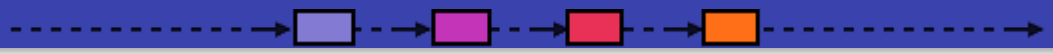
  To define the requirements for a portlet bridge that enables webapp developers to deploy their JSF applications as portlets with little-to-no modification

Java Community Process

Technical scope and features

- The JSF Portlet Bridge (FacesBridge) is a technology that connects the **Portlet Lifecycle** to the **JSF Lifecycle**

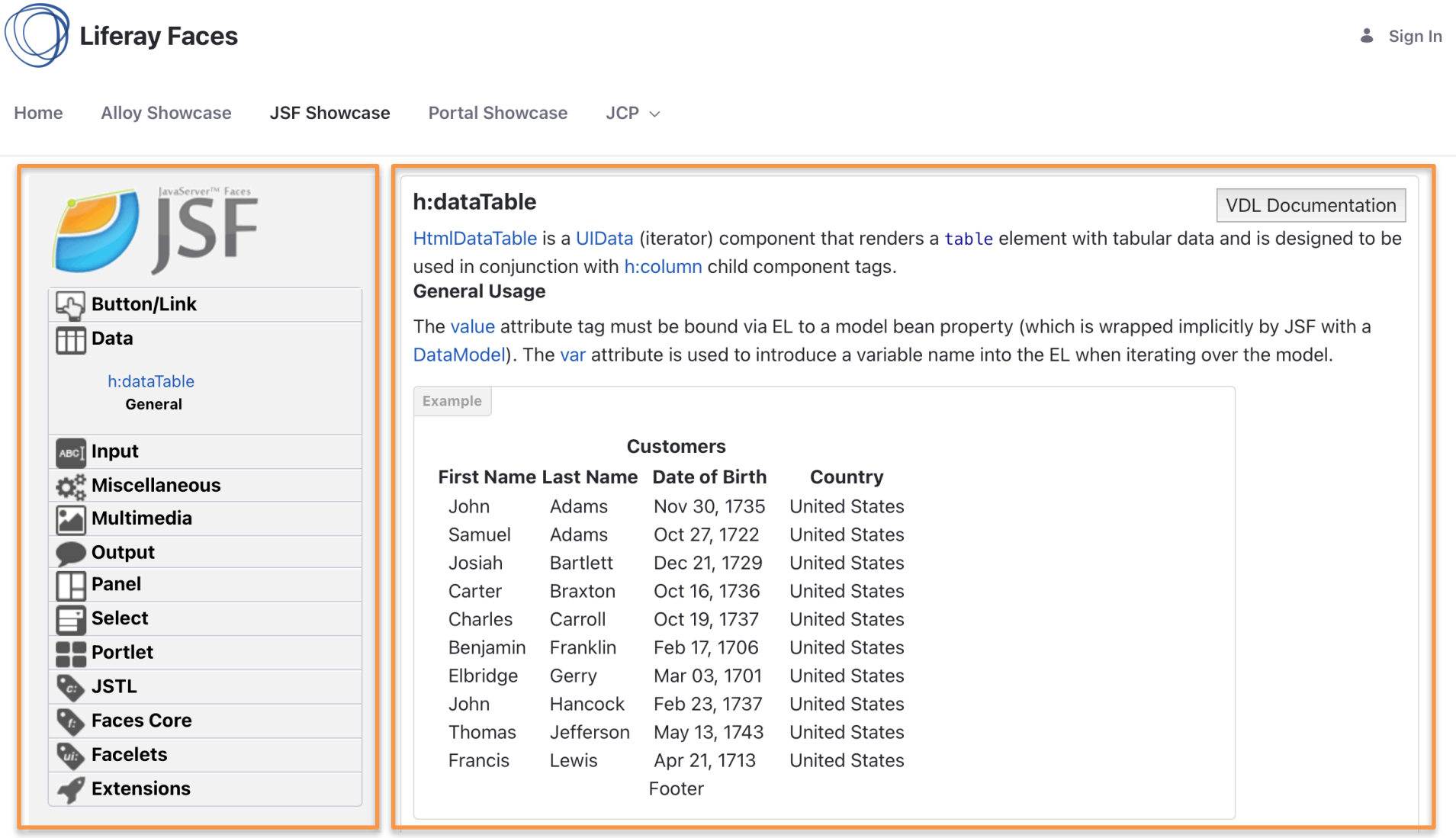
Portlets



- Portlets are web applications that are deployed within a portlet container

- Portlet containers **aggregate the markup** of one or more portlets in order to present a portal page to the user

JSF Portlets



Java Community Process

JSR 378 Spec Page

Liferay Faces

Sign In

Home | Alloy Showcase | JSF Showcase | Portal Showcase | JCP

Liferay Faces is an **open source** umbrella project that provides support for the JavaServer™ Faces (JSF) standard in webapp and portlet projects.

Follow @liferayfaces

[Issue Tracker] [Forums]
[Tutorials]

JSR 378

JSR 378: Portlet 3.0 Bridge for JavaServer™ Faces 2.2

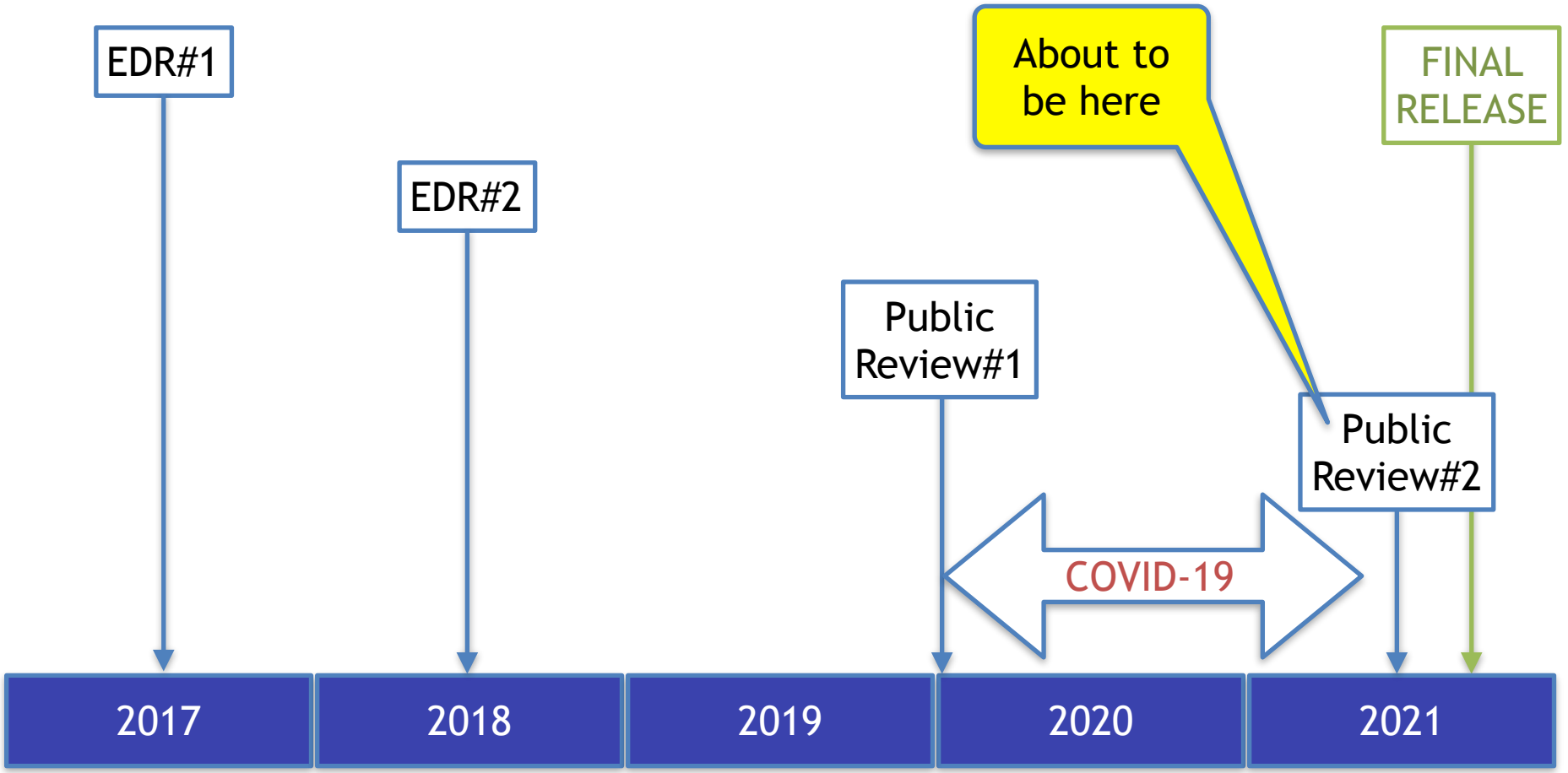
The purpose of JSR 378 is to define the requirements necessary for developing a Portlet 3.0 Bridge for applications developed with JavaServer™ Faces 2.2.

- API Source
- Spec Source
- RI Source
- Experts Mailing List
- Observers Mailing List
- Issue Tracking

This JSR builds upon the foundation established by JSR 329 (Portlet 2.0 Bridge for JSF 1.2).

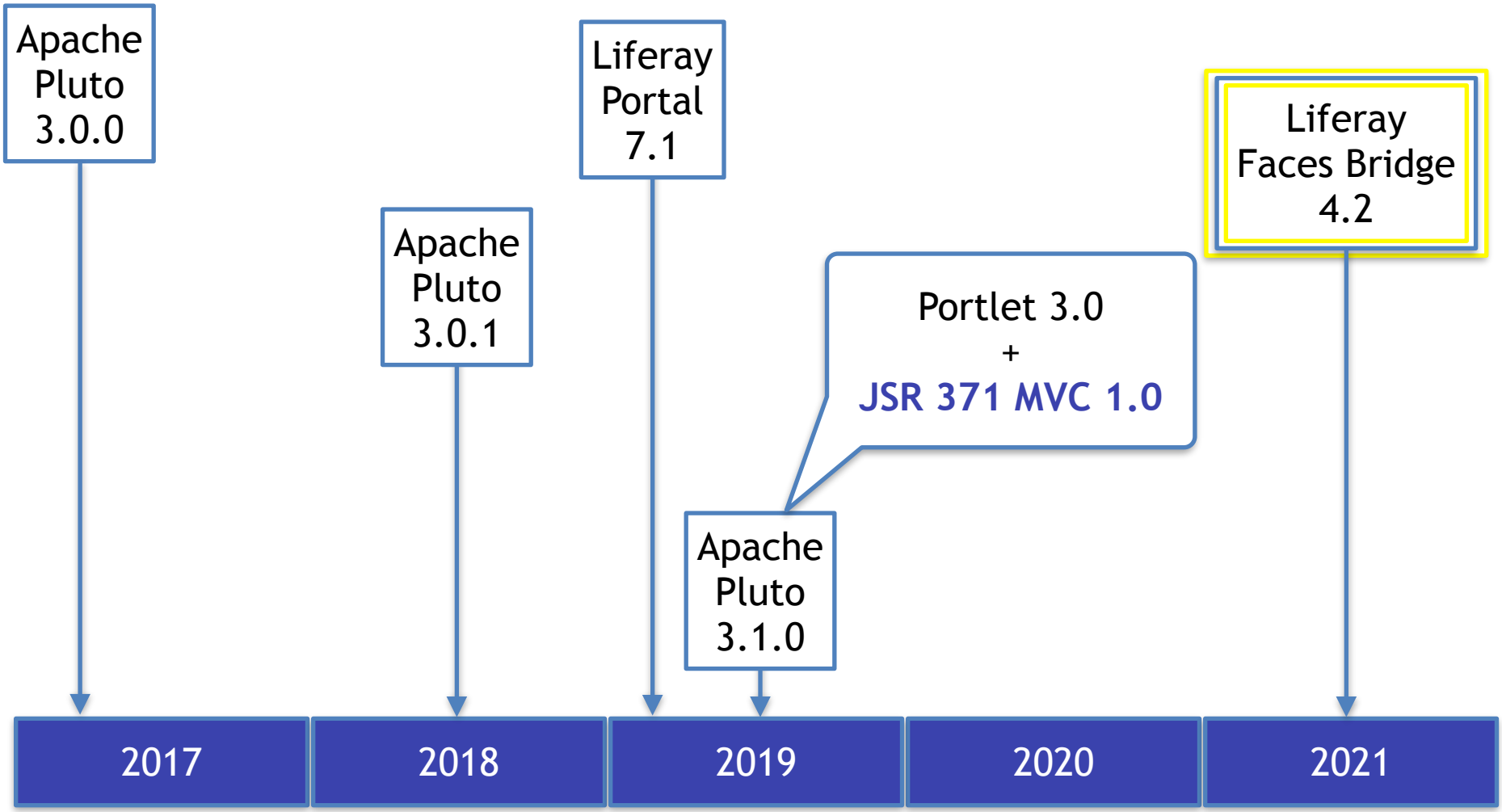
Java Community Process

JSR 378 Timeline



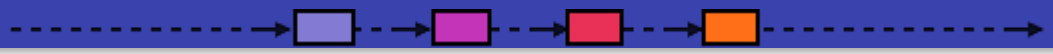
Java Community Process

Portlet 3.0 Timeline



Java Community Process

JSR 378 Reference Implementation



Version
4.x

Java Package API:

`com.liferay.faces.bridge`

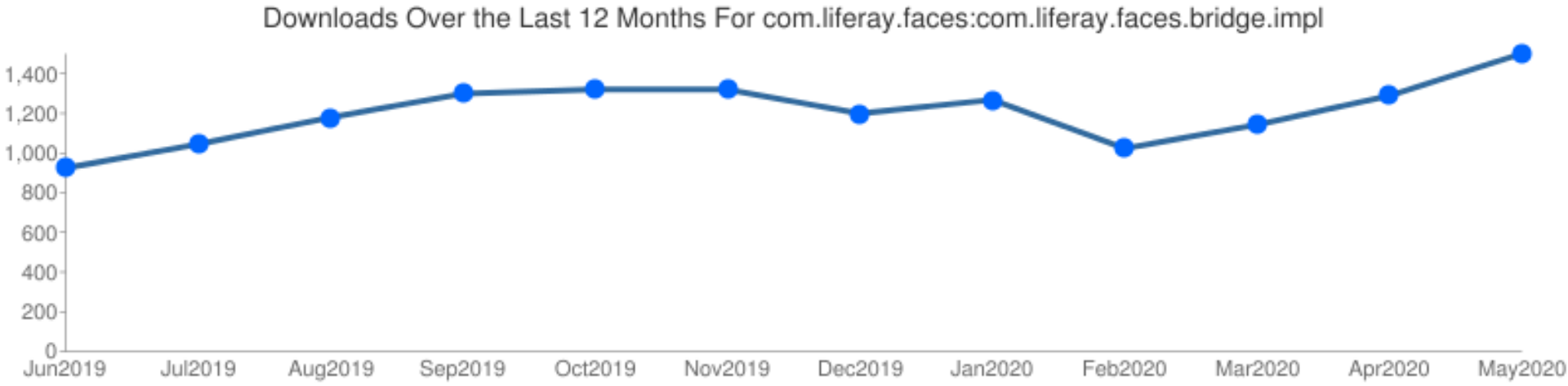
Version
5.x

Java Package API:

`javax.portlet.faces`

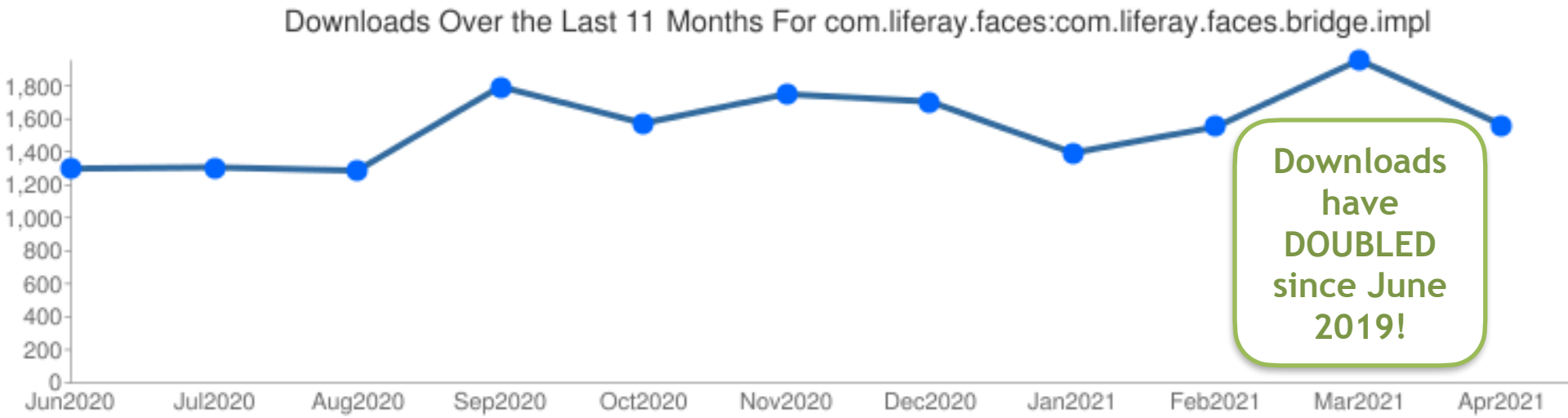
Java Community Process

Download Stats 2019-2020



Java Community Process

Download Stats 2020-2021



Java Community Process

Demos

Demo: JSF Showcase

JavaServer™ Faces JSF

- Button/Link
- Data
- Input
  - bridge:inputFile
  - h:inputFile
  - h:inputHidden
  - h:inputSecret
  - h:inputText
    - General
    - Conversion
    - Immediate
    - Validation
  - h:inputTextarea
- Miscellaneous
- Multimedia
- Output
- Panel
- Select
- Portlet
- JSTL
- Faces Core
- Facelets
- Extensions

h:inputText

VDL Documentation

HtmlInputText is a UIInput component that renders a field for editing **single-line text.**

General Usage

The value attribute can be **bound to a model bean property** via EL.

Example

Required

Text Field

Hello World

Submit

Model Value

```
Hello World
```

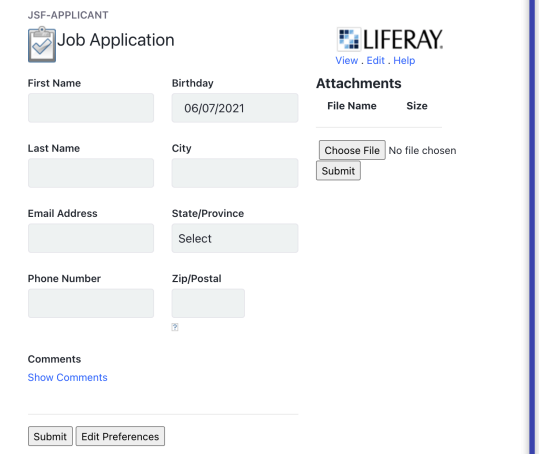
Source Code

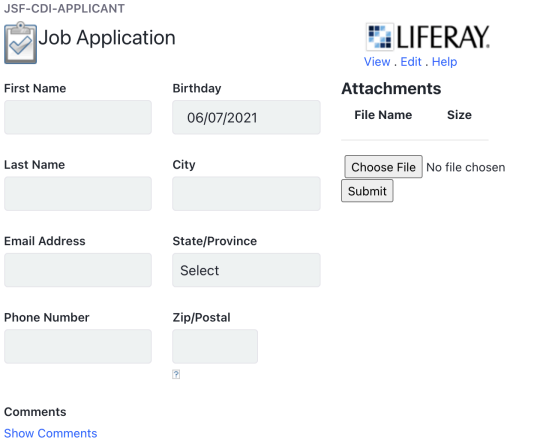
inputText.xhtml | InputTextModelBean.java | InputTextBackingBean.java

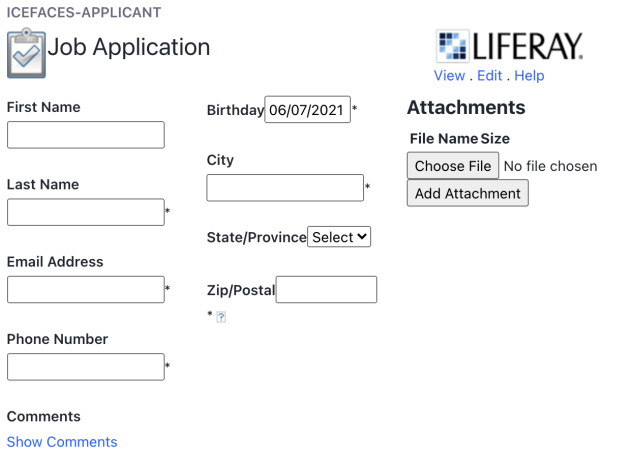
```
1. <ui:composition xmlns="http://www.w3.org/1999/xhtml"
2.     xmlns:f="http://xmlns.jcp.org/jsf/core" xmlns:h="http://xmlns.jcp.org/jsf/html"
3.     xmlns:ui="http://xmlns.jcp.org/jsf/facelets">
4.
5.     <h:form>
6.         <h:inputText id="text" label="#{i18n['text-field']}"
7.             required="#{showcaseModelBean.selectedComponent.required}" value="#{inpu
```

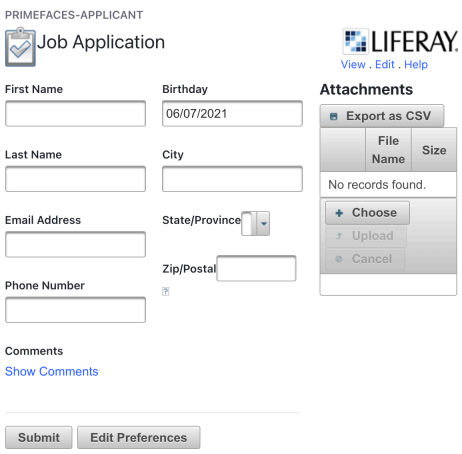
Java Community Process

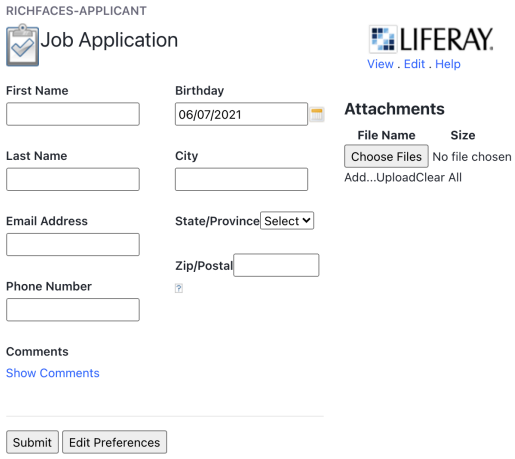
Demo: Applicant Reference Portlets

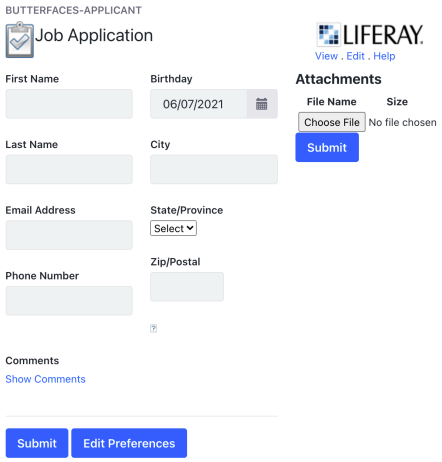






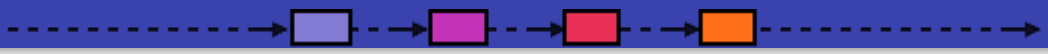


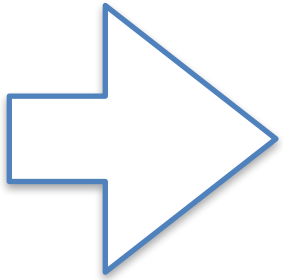


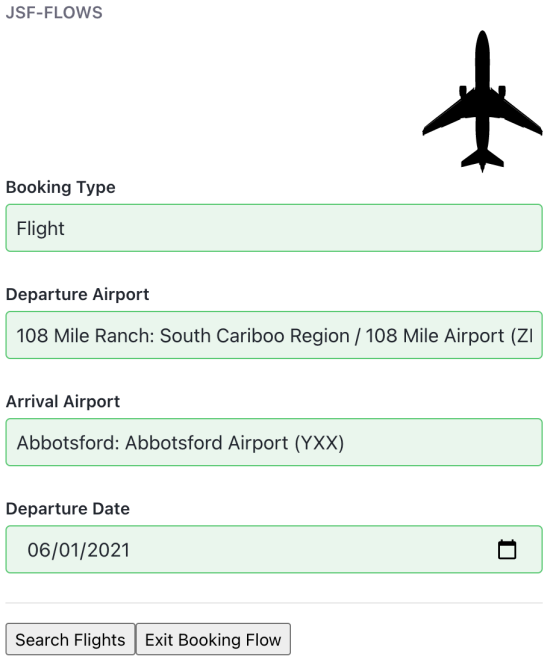


Java Community Process

Demo: Faces Flows

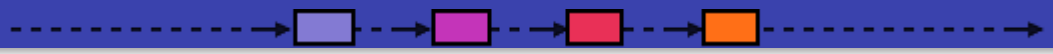






Java Community Process

Deliverables



- **Standard:**
  - **Spec Document**
  - **Reference Implementation** (source, binaries, javadoc)
  - **Technology Compatibility Kit** (TCK)

- **Bonus**:
  - **JSF Showcase** (portlet & webapp versions):
    http://www.liferayfaces.org/web/guest/jsf-showcase
  - **Variety of demos** including Plain JSF, PrimeFaces, ICEfaces, RichFaces, Liferay Faces Alloy, and Inter-Portlet Communication
  - **Maven Archetypes** for: Plain JSF, PrimeFaces, ICEfaces, RichFaces, and Liferay Faces Alloy

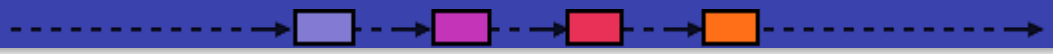
Licenses

- **Spec**: *JCP License*
  https://github.com/liferay/liferay-faces-bridge-api/blob/5.x/bridge-spec/LICENSE.txt

- **RI**: *Apache License, Version 2.0*
  https://github.com/liferay/liferay-faces-bridge-impl/blob/master/bridge-impl/src/main/resources/META-INF/apache-2.0.txt

- **TCK**: *Apache License, Version 2.0*
  https://github.com/liferay/liferay-faces-bridge-impl/blob/master/tck/bridge-tck-main-portlet/src/main/resources/META-INF/apache-2.0.txt

Downloads & Source

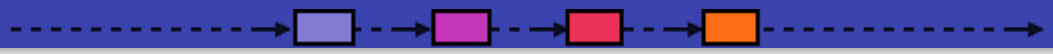


- **Q**: Is the RI available for public download?
  A: https://oss.sonatype.org/content/repositories/snapshots/com/liferay/faces/com.liferay.faces.bridge.impl/5.0.0-SNAPSHOT/

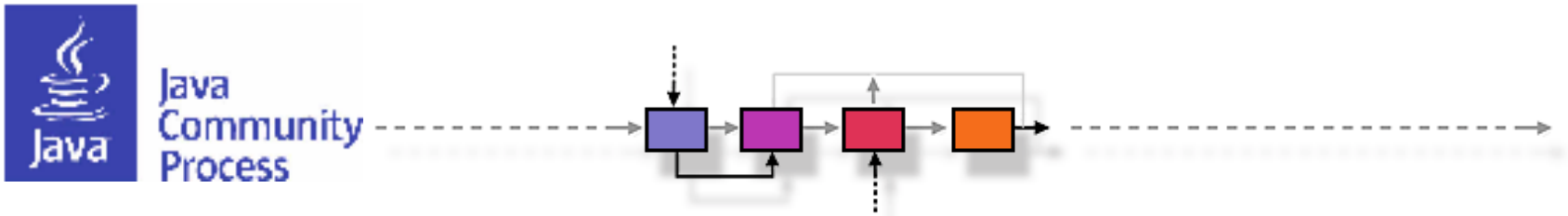
- **Q**: Is the TCK available for public download?
  A: *Yes, but only in source form because deployment of the TCK to a portlet container (like Pluto) is most easily achieved through the Maven build system.*

- **Q**: Do you have a source-code repository?
  A1: *Spec & API:* https://github.com/liferay/liferay-faces-bridge-api
  A2: *Impl & TCK:* https://github.com/liferay/liferay-faces-bridge-impl

Wrap Up



- **2nd Public Review** being submitted in the coming days/weeks
- Requesting a **30 day schedule** for the ballot



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