



RED HAT
FORUM
São Paulo

5 pilares para uma aplicação Java Web bem-sucedida

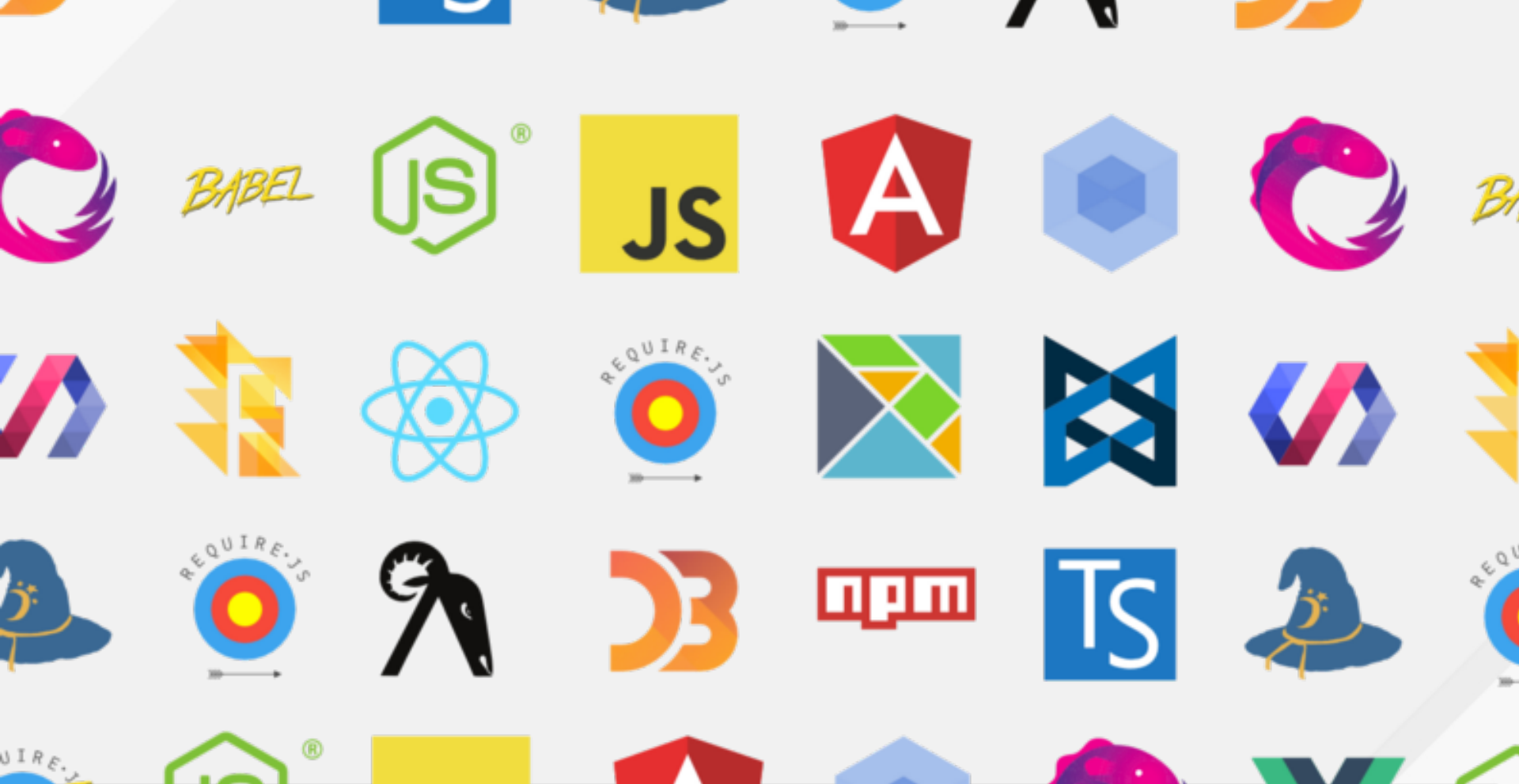
Eder Ignatowicz
Sr. Software Engineer @ Red Hat

Guilherme Carreiro
Software Engineer @ Red Hat



Qual arquitetura e frameworks para o backend?

E o front-end?



Desenvolvimento JavaScript é complexo

Desenvolvimento ~~JavaScript~~ Web é complexo

Desenvolvimento Web vai
continuar sendo complexo

Shadow DOM v0 📄 - WD

Global 69.05%

unprefixed: 63.57%

Method of establishing and maintaining functional boundaries between DOM trees and how these trees interact with each other within a document, thus enabling better functional encapsulation within the DOM.

Current aligned

Usage relative

Date relative

Show all

IE	Edge *	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	Chrome for Android
			49						
			55			9.3		4.4	
	14	1 51	56	10	43	10.2		4.4.4	
11	15	1 52	57	10.1	44	10.3	all	56	57
		1 53	58	TP	45				
		1 54	59		46				
		1 55	60						



KIE Group

Open source projects for business systems automation and management.



Drools 5 introduces the **Business Logic integration Platform** which provides a unified and integrated platform for **Rules, Workflow and Event Processing**. It's been designed from the ground up so that each aspect is a first class citizen, with no compromises.

[Drools team](#)



jBPM is a flexible Business Process Management (BPM) Suite. A business process allows you to model your business goals by describing the steps that need to be executed to achieve those goals, and the order of those goals are depicted using a flow chart...

[jBPM team](#)

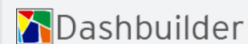


OptaPlanner optimizes business resource usage. Every organization faces planning problems: provide products or services with a limited set of constrained resources. OptaPlanner optimizes such planning to do more business with less resources...

[Optaplanner team](#)



UberFire is a web based workbench framework inspired by Eclipse Rich Client Platform. This is a very strategic project for Drools & jBPM team, once this is the base technology for our next generation of web tooling.



Dashbuilder is a full featured web application for the visual composition of custom business dashboards. Data comes from heterogeneous sources of information such as JDBC databases or regular text files and can be displayed using different charting libraries.

Qual stack web escolher?

Qual a arquitetura mais viável
para este problema?

5 pilares:

Aplicação de Larga Escala

Desenvolvedores full stack

Integração com UX

Life-Span de 5~10 anos

Interoperabilidade

5 pilares:

Aplicação de Larga Escala

Desenvolvedores full stack

Integração com UX

Life-Span de 5~10 anos

Interoperabilidade

Aplicação de Larga Escala

1mi+ de linhas código web

5 produtos

~150 sub-projetos

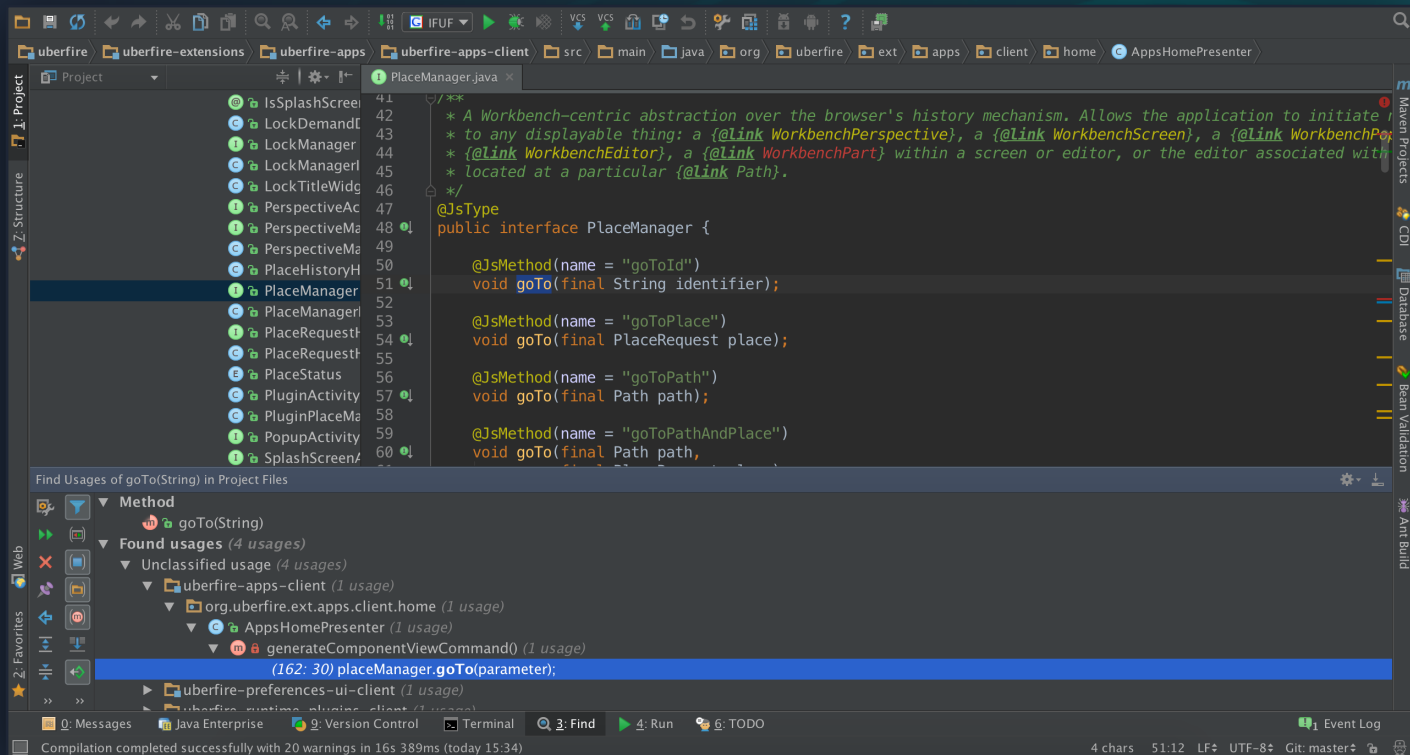
~30 devs

7+ anos de base de código

Static Typing

Refactoring

Aplicação de Larga Escala



Transpilers para JavaScript

Aplicação de Larga Escala

← → ↻ GitHub, Inc. [US] https://github.com/jashkenas/coffeescript/wiki/List-of-languages-that-compile-to-JS

[Dojo Secure](#) Framework for building secure mashups.

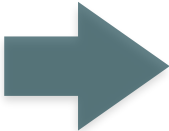
Static typing

NOTE: Some of the projects listed below are also statically typed, such as [mobi](#), [GWT](#), [JSIL](#), [NS Basic](#), and [Haxe](#).

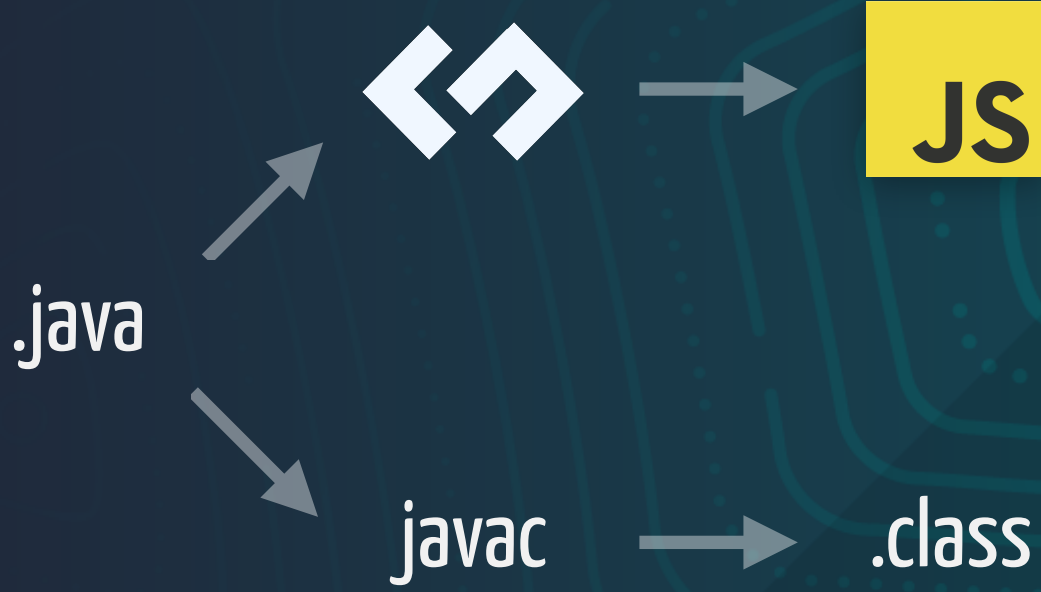
Name	Description
Dart	C/Java-like syntax with optional typing by Google.
TypeScript	Typed superset of JavaScript by Microsoft.
TeJaS	From Brown PLT. Types for JavaScript (itself).
asm.js	Subset of JavaScript that can be used as a low-level, efficient target language for compilers. Now included in Firefox.
JavaScript++	JavaScript superset with classes, type checking, among other features
Mascara	[commercial] Enhances JavaScript with powerful features like classes, namespaces and type-checking.
Roy	Tries to meld JavaScript semantics with some features common in static functional languages
Elm	Type-safe functional language that compiles to HTML, CSS, and JavaScript.
Swym	Statically typed, with type inference and generics
Typecast.js	JavaScript platform for statically typed variables without a custom compiler.
PureScript	A small, strongly typed programming language that compiles to JavaScript and C++, featuring extensible records and effects, and type classes.
Flow	Static type checker for JavaScript, supports optional types and null checks by Facebook.
ActionScript	With Apache FlexJS - Based on ECMAScript 4, ActionScript provides typing and can be compiled to JavaScript.

Synchronous to Asynchronous JavaScript Compilers (CPS)

Name	Description
Streamline.js	Uses underscore (_) to stand for callbacks. This fork preserves line numbers for debugging.

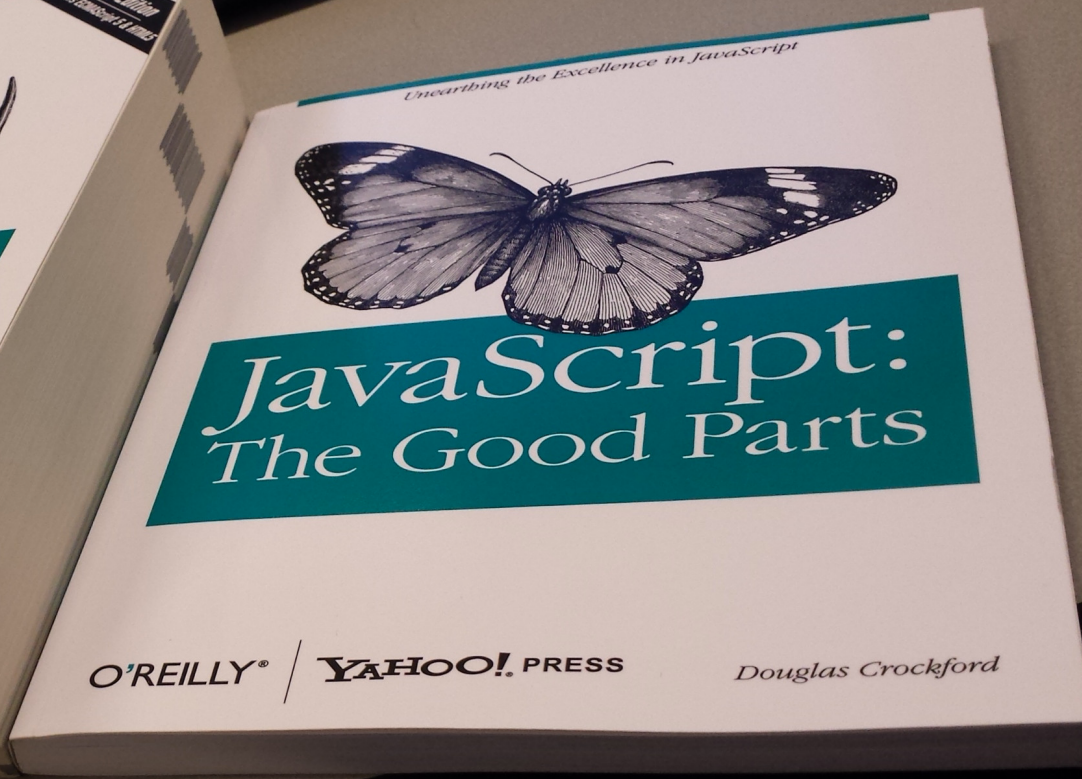
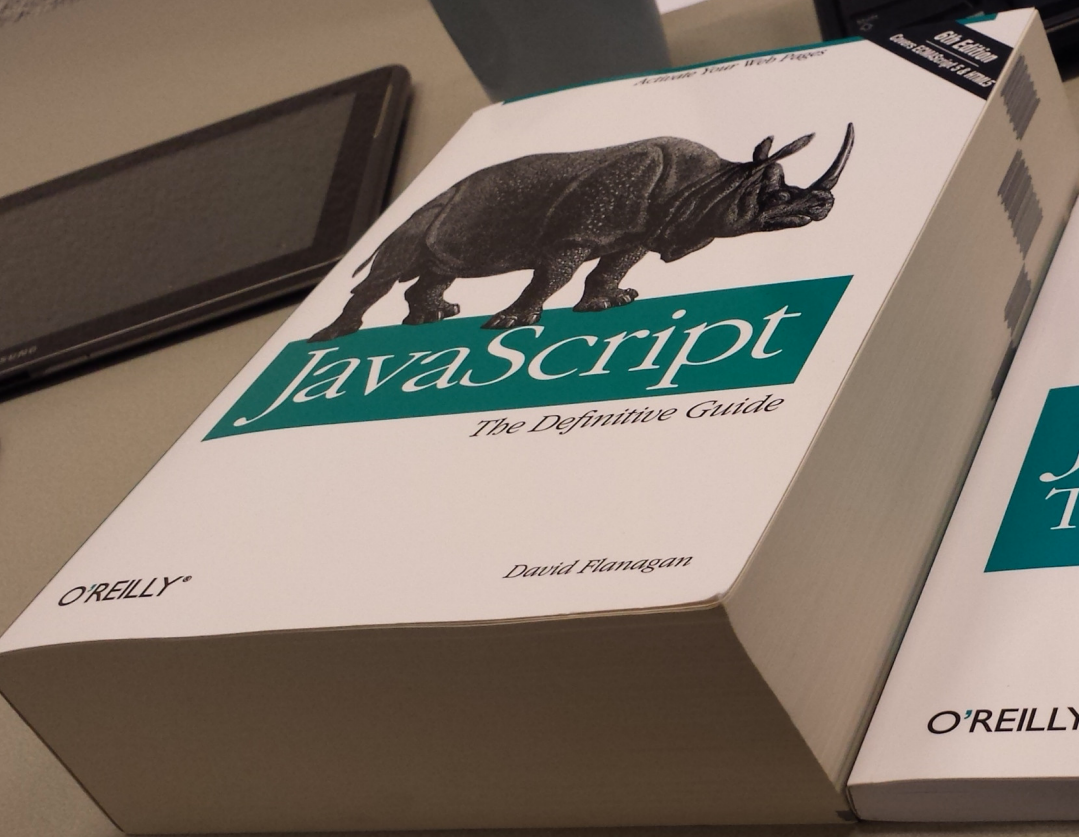


Aplicação de Larga Escala





GWT





GWT

The Good Parts

GWT • Good Parts

Java to JavaScript

java.* emulation

DOM APIs

Java 8 “client side”

Dev Tools

JS Interop

Java

```
@JsType(isNative = true)
public abstract class JQuery {

    @JsMethod(namespace=GLOBAL)
    public native static JQuery $(String selector);

    public native JQuery css(String prop, String val);

    public native JQuery attr(String name, String val);
}
```

Java

```
import static jquery.JQuery.$;
// ...
$("ul > li").css("color", "red").attr("data-level", "first");
```

Refactoring

5 pilares:

Aplicação de Larga Escala

Desenvolvedores full stack

Integração com UX

Life-Span de 5~10 anos

Interoperabilidade

Desenvolvedores
“end-to-end”

Shared Programming Model

“Java EE” no browser

Desenvolvedores full stack



CDI no Browser

```
@Dependent
public class ProjectsView {

    @Inject
    Document document;

    @Inject
    @DataField( "projects-view" )
    Div view;

    @Inject
    @DataField( "new-project" )
    Button newProject;

    @Inject
    @DataField( "projects-list" )
    UnorderedList projectsList;

    @Inject
    Instance<ProjectItem> projects;
```

CDI no Browser

```
if (!filter.doFilter(event)) {  
    ...  
    if (event.kind().equals(StandardWatchEventKind.ENTRY_ADD)) {  
        resourceAddedEvent.fire(buildEvent(ResourceAddedEvent.class,  
                                             event).getK2());  
    }  
    ...  
}
```

CDI no Browser

```
public void onNewFile(@Observes ResourceAddedEvent event) {  
    Window.alert("ResourceAddedEvent:" +  
        event.getPath().toURI() +  
        " [" + event.getMessage() + "]");  
}
```

CDI no Browser

127.0.0.1:8888/index.html#Perspective%20Editor?path_uri=default://master@plugins/Afdfd/perspective_layout.plugin&file_name=perspective_layout.plugin&has_version_support=true&name=Afdfd

Paused in debugger

New Perspective Layout Plugin....

Name QConPerspective

+ Ok Cancel

Plugin Explorer

PERSPECTIVE PLUGIN

AdminPagePerspective

AppsPerspective

Dashboard

Home

PluginAuthoringPerspective

Elements Console Sources Network Timeline Profiles Application Security Audits SnappySnippet AdBlock

PlaceManagerImpl.java PerspectiveEdit...Presenter.java PluginAuthoring...rspective.java x

top

```
65
66 private PerspectiveDefinition buildPerspective() {
67     final PerspectiveDefinitionImpl perspective = new PerspectiveDefinitionImpl(
68         MultiListWorkbenchPanelPresenter.class.getName());
69     perspective.setName("Plugin Authoring");
70     return perspective;
71 }
72
73 public void onNewFile(@Observes ResourceAddedEvent event) {
74     Window.alert("ResourceAddedEvent:" + event.getPath().toURI() +
75                 " [" + event.getMessage() + "]");
76 }
77
78 }
```

{ } Line 74, Column 1

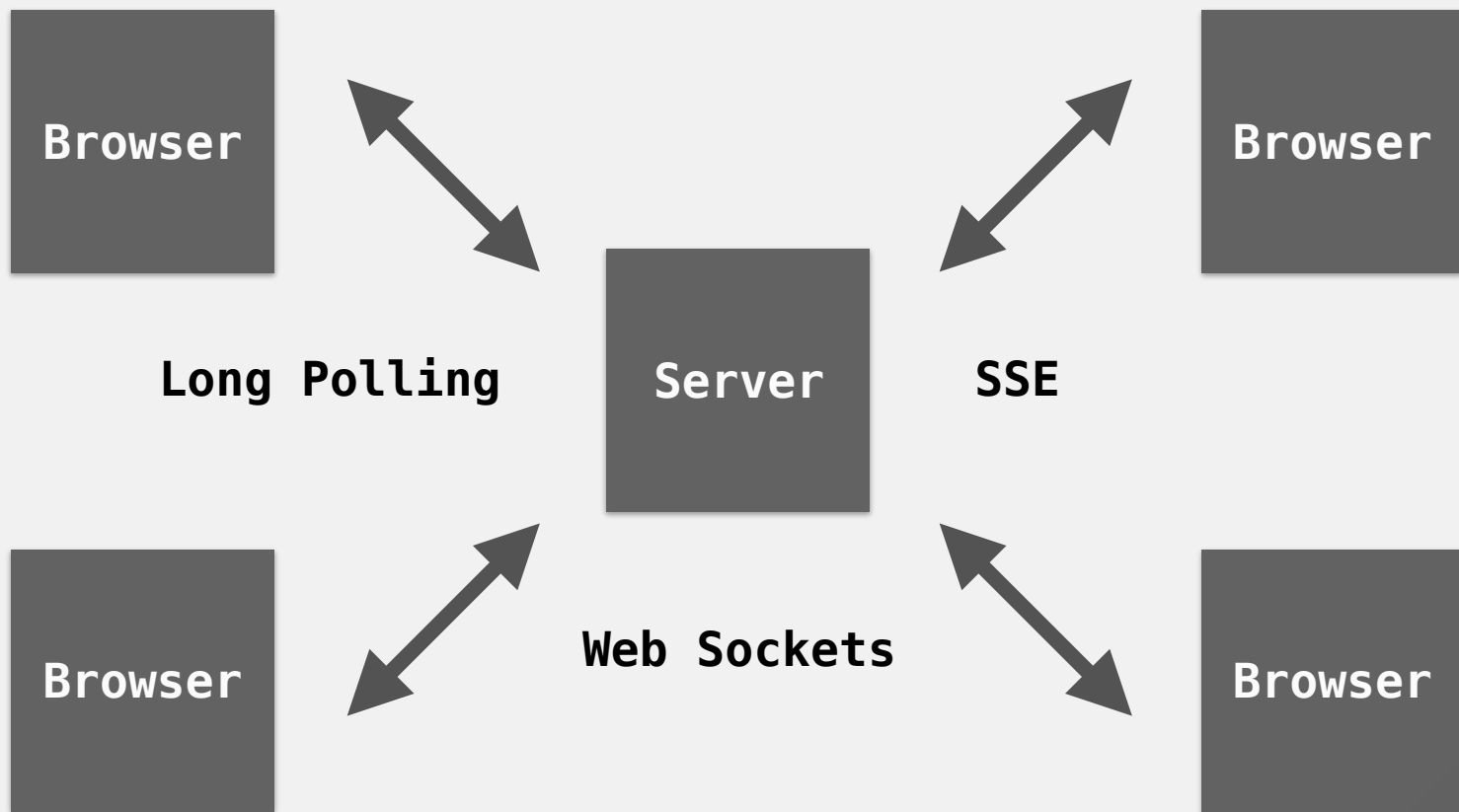
Paused on breakpoint

Watch

Call Stack

OOT_g\$	PluginAuthoring...ective.java:74
MOt_g\$	Type_factory_o...fault.java:121
LOt_g\$	Type_factory_o...fault.java:119
t\$j_g\$	AbstractCDIEven...lback.java:60
uOj_g\$	CDI.java:329
kOj_g\$	CDI.java:317
qOj_g\$	CDI.java:302
KOj_g\$	CDI.java:85

ERRAI BUS



Shared Programming Model

5 pilares:

Aplicação de Larga Escala

Desenvolvedores full stack

Integração com UX

Life-Span de 5~10 anos

Interoperabilidade

```

<form action="orderResult.jsp" method="POST">
  <h3>Pizza Types</h3>
  <div>
    <ul>
      <% for ( Pizza pizza : pizzaTypes ) { %>
        <li>
          <input type="radio" name="pizzaTypeOptions" value="<%=pizza.getName()%>" checked />
          <span class="pizzaType"><%=pizza.getName()%></span>
          <span class="pizzaPrice"><%=pizza.getPrice()%>$</span>
        </li>
      <% } %>
    </ul>
  </div>
  <h3>Size</h3>
  <h3>Extra Toppings</h3>
  <div class="section group">
    <% for ( int j = 0; j < 3; j++ ) { %>
      <div class="col span_1_of_3">
        <ul class="ul_2">
          <% for ( int i = sliceSize * j; i < ( j + 1 ) * sliceSize; i++ ) { %>
            <li class="li_2">
              <input type="checkbox" name="pizzaToppings" value="<%=pizzaToppings.get( i )%>" />
              <%=pizzaToppings.get( i )%>
            </li>
          <% }
          if ( j == 0 && remainder > 0 ) {
            %>
            <li class="li_2">
              <input type="checkbox" name="pizzaToppings" value="<%=pizzaToppings.get( pizzaToppings.size() - 2 )%>" />
              <%=pizzaToppings.get( pizzaToppings.size() - 2 )
            </li>
          <% } else if ( j == 1 && remainder > 1 ) { %>
            <li class="li_2">
              <input type="checkbox" name="pizzaToppings" value="<%=pizzaToppings.get( pizzaToppings.size() - 1 )%>" />
              <%=pizzaToppings.get( pizzaToppings.size() - 1 )%>
            </li>
          <% } %>
        </ul>
      </div>
    <% } %>
  </div>
  <h4>Each extra topping is 0.65$</h4>
  <input type="submit" value="Order" />
</form>

```

```
<h1>{{title}}</h1>
<h2>My favorite hero is: {{myHero}}</h2>
<p>Heroes:</p>
<ul>
  <li *ngFor="let hero of heroes">
    {{ hero }}
  </li>
</ul>
```

```
<div>

  <ul class="list-group" data-field="projects-list">

  </ul>

  <button type="button" class="btn" data-field="new-project">
    <i class="fa fa-plus"></i> New Project
  </button>

</div>
```

```
@Dependent
@Templated
public class ProjectsView {

    @Inject
    @DataField( "projects-view" )
    Div view;

    @Inject
    @DataField( "new-project" )
    Button newProject;

    @Inject
    @DataField( "projects-list" )
    UnorderedList projectsList;

}
```

← → 127.0.0.1:8888/drools-wb.html#org.kie.workbench.common.screens.home.client.HomePresenter

Red hat MOT TO READ BW SCIP Future Book jacobin-abcs.pdf Must Reads from h...

Drools Workbench ? 0 admin

Home Admin - Preferences Perspectives ▾ Search

The KIE Knowledge Development Cycle

Discover and Author: Author	Deploy: Manage and Deploy Your Assets Assets Repository
---	--



Author
Formalize your Business Knowledge

```

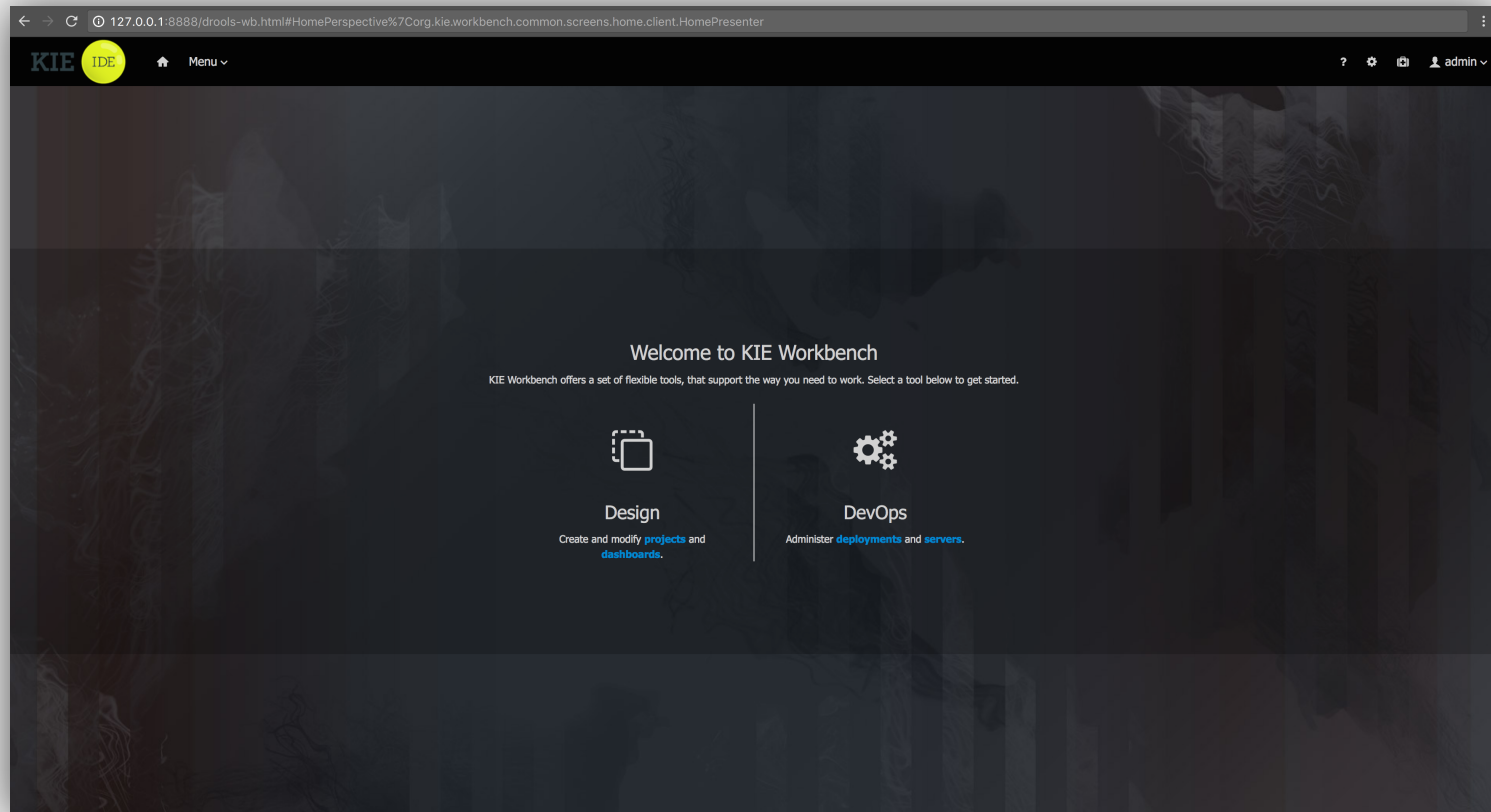
<!-- Masthead -->
<nav class="navbar navbar-default navbar-pf">
  <div class="navbar-header">
    <button type="button" class="navbar-toggle" data-toggle="collapse" data-target=".navbar-collapse-2">
      <span class="sr-only">Toggle navigation</span>
      <span class="icon-bar"></span>
      <span class="icon-bar"></span>
      <span class="icon-bar"></span>
    </button>
    <a href="/" class="navbar-brand">
      
    </a>
  </div>

  <div class="collapse navbar-collapse navbar-collapse-2">
    <ul class="nav navbar-nav"><!-- navbar-ionic -->
      <li class="dropdown">
        <a class="dropdown-toggle nav-item-ionic" id="dropdownMenu2" data-toggle="dropdown" aria-haspopup="true" aria-expanded="true">
          Home
          <span class="caret"></span>
        </a>
        <ul class="dropdown-menu" aria-labelledby="dropdownMenu2">
          <li><a href="#">Design</a></li>
          <li><a href="#">Processes &amp; Tasks</a></li>
          <li><a href="#">Runtime</a></li>
          <li><a href="#">Settings</a></li>
        </ul>
      </li>
    </ul>

    <ul class="nav navbar-nav navbar-right">
      <li class="dropdown">
        <a class="dropdown-toggle nav-item-ionic" id="notifications" data-toggle="dropdown" aria-haspopup="true" aria-expanded="true">
          <span title="Notifications" class="fa pficon-warning-triangle-o"></span>
          Messages: 0
        </a>
        <div class="dropdown-menu infotip bottom-right">
          <div class="arrow"></div>
          <ul class="list-group">
            <li class="list-group-item">
              <span class="i pficon pficon-info"></span> Modified Datasources ExampleDS
            </li>
            <li class="list-group-item">
              <span class="i pficon pficon-info"></span> Error: System Failure
            </li>
          </ul>
          <div class="footer">
            <a>Clear Messages</a>
          </div>
        </div>
      </li>
      <li class="dropdown">
        <a class="dropdown-toggle nav-item-ionic" id="dropdownMenu2" data-toggle="dropdown" aria-haspopup="true" aria-expanded="true">
          <span title="Username" class="fa pficon-user"></span>
          Brian Johnson
          <span class="caret"></span>
        </a>
        <ul class="dropdown-menu" aria-labelledby="dropdownMenu2">

```

...



Deixe o HTML/CSS
em paz

5 pilares:

Aplicação de Larga Escala

Desenvolvedores full stack

Integração com UX

Life-Span de 5~10 anos

Interoperabilidade



Hexagonal Architecture - Alistair Cockburn

Onion Architecture - Jeffrey Palermo

DCI - James Coplien e Trygve Reenskaug.

BCE - Ivar Jacobson

Clean Architecture - Robert C. Martin

Princípios

Independente de Frameworks

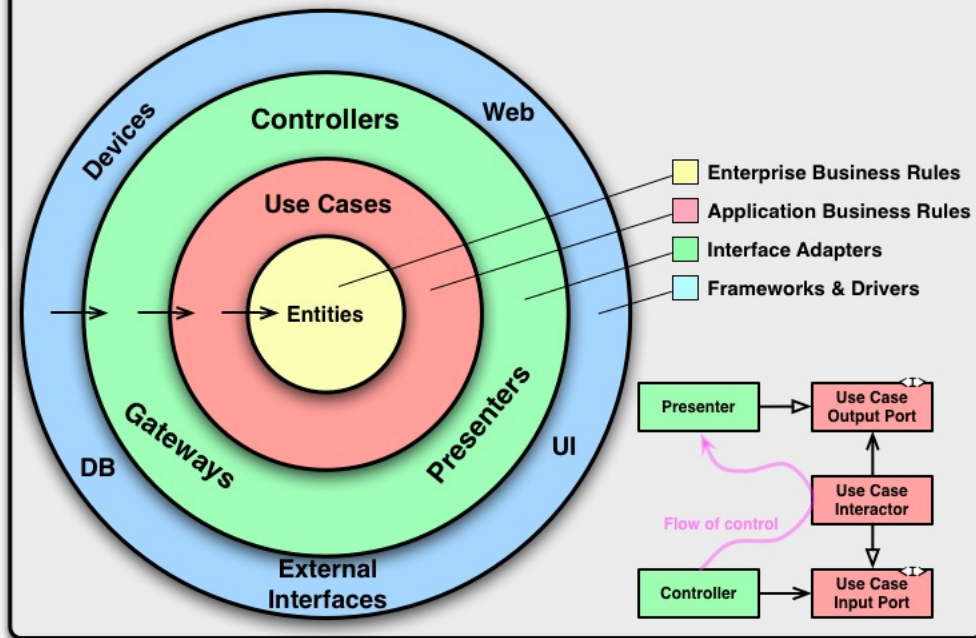
Testável

Independente de UI

Independente de Database

Independente de Agentes Externos

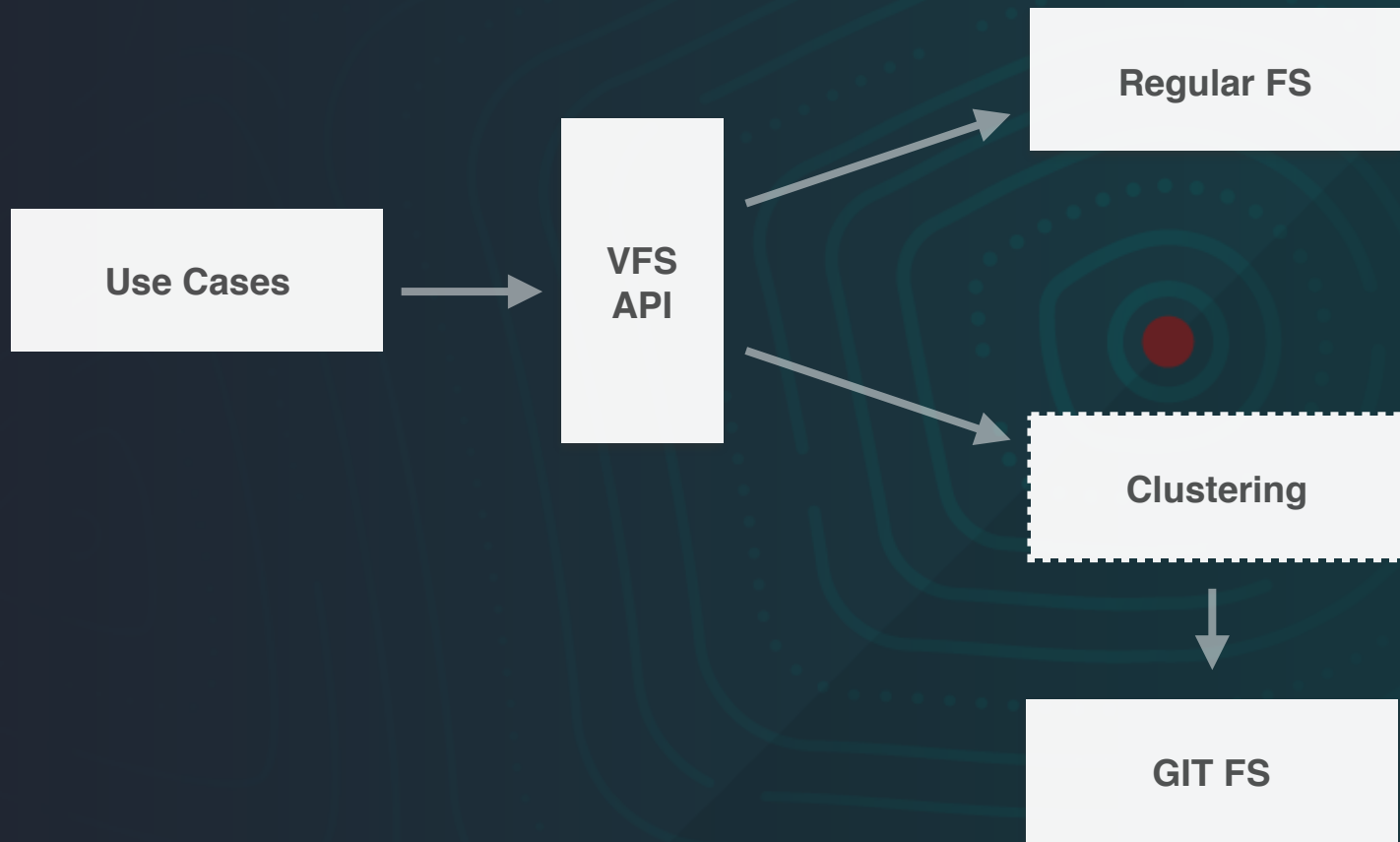
The Clean Architecture



“Architecture is about intent.
We have made it about
frameworks and details”

Robert C. Martin

UBERFIRE VFS



127.0.0.1:8888/drools-wb.html#LibraryPerspective%7C\$ProjectScreen,GuidedDecisionTableEditor?path_uri=default://master@myrepo/mortgages/src/main/resources/mortgages/mortgages/Pricing%252520loans.gdst&file_name=Pricing%2520loans.gdst&h...

KIE IDE

Menu

admin

Teams > myteam > mortgages > Pricing loans

Project Explorer

<default> > mortgages > mortgages

DRL

DATA OBJECTS

DOMAIN SPECIFIC LANGUAGE DEFINITIONS

ENUMERATION DEFINITIONS

GUIDED DECISION TABLES

Pricing loans

GUIDED RULES

GUIDED RULES (WITH DSL)

TEST SCENARIOS

Pricing loans.gdst - Guided Decision Tables

Save Delete Rename Copy Validate Edit View Insert Latest Version

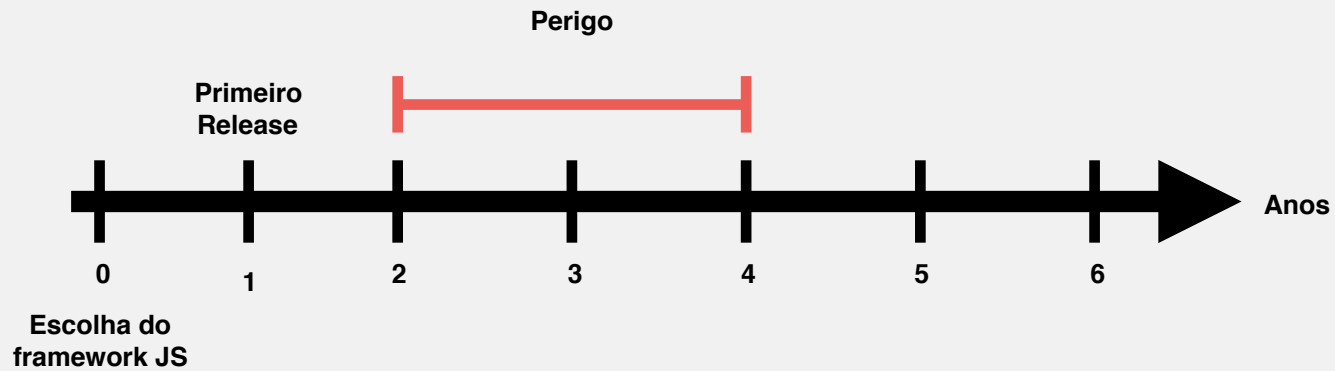
Editor Overview Source Data Objects

Add Column Edit Columns

Pricing loans		application : LoanApplication				ome : IncomeSou	application		
#	Description	amount min	amount max	period	deposit max	income	Loan approved	LMI	rate
1		131000	200000	20	20000	job	true	0	2
2		10000	100000	20	2000	job	true	0	4
3		100001	130000	20	3000	job	false	5	6
4		100001	130000	20	3000	job	true	5	6

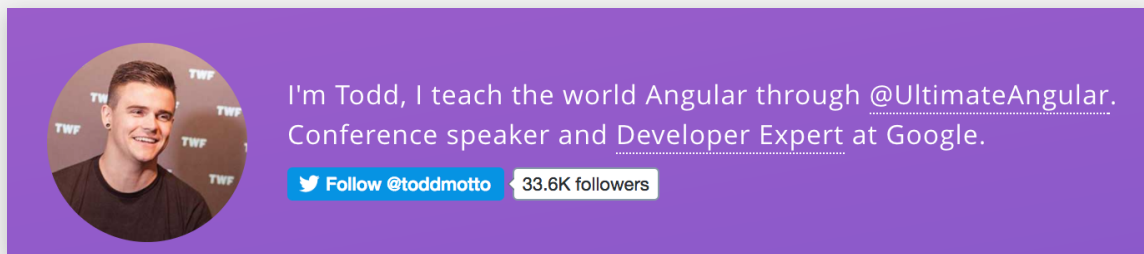
Qual framework Web escolher?

Qual framework JS escolher?



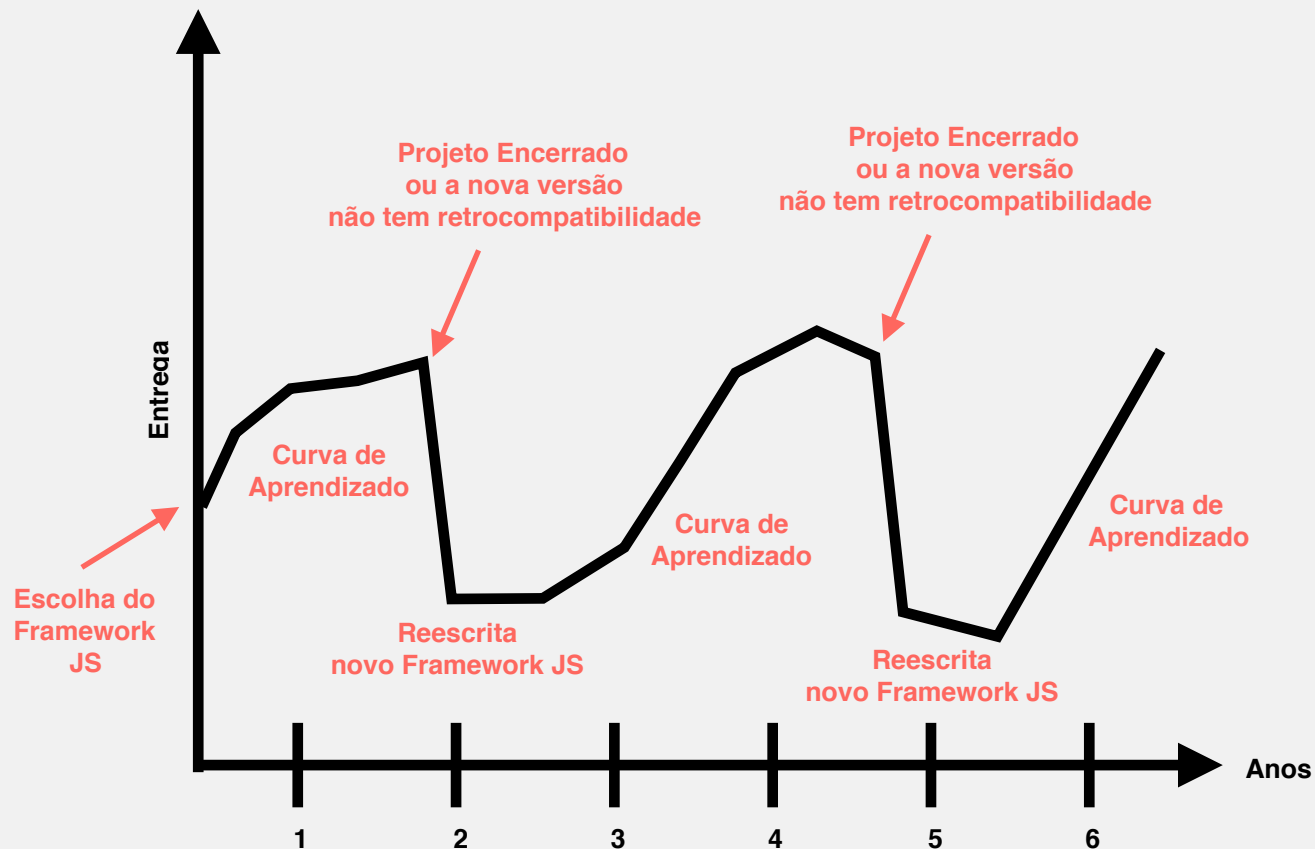
What's next for Angular 1.x?

“In all honesty, no one really knows what will happen”



A Twitter profile card for @toddmotto. On the left is a circular profile picture of a man with short brown hair, smiling, wearing a black t-shirt. The background of the card is purple. To the right of the profile picture, the text reads: "I'm Todd, I teach the world Angular through @UltimateAngular. Conference speaker and Developer Expert at Google." Below this text is a blue button with a white Twitter bird icon and the text "Follow @toddmotto", and a white badge with a speech bubble icon and the text "33.6K followers".

<https://toddmotto.com/future-of-angular-1-x>



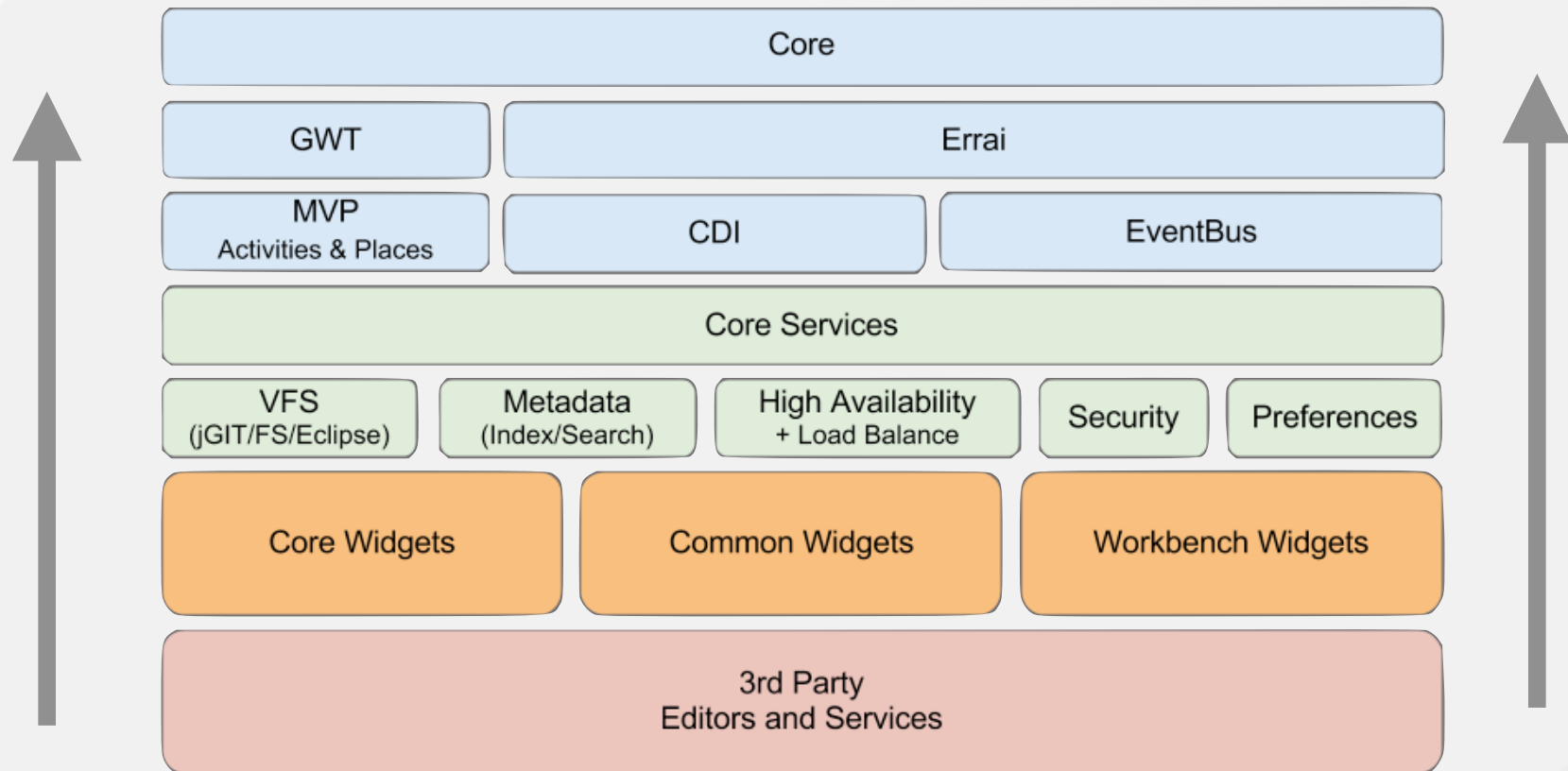
“A good architecture allows
volatile decisions to be
easily changed”

Robert C. Martin

E se eu tratasse a volatilidade
dos frameworks JS como fato?



uberfire



Modelo de Programação

Componentes:

- Screen
- Editors
- Perspectives
- Popups

Modelo de Programação

LifeCycle:

- OnStart
- OnSave
- IsDirty
- OnClose

...

127.0.0.1:8888/drools-wb.html#LibraryPerspective%7C\$ProjectScreen,GuidedDecisionTableEditor?path_uri=default://master@myrepo/mortgages/src/main/resources/mortgages/mortgages/Pricing%252520loans.gdst&file_name=Pricing%252520loans.gdst&h...

Drools Workbench

HomeAdmin - PreferencesPerspectives

ExampleExploreNewProjectRepository

Search

Asset Search

Project Explorer

demo> test> mortgages

DRL

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Pricing loans

GUIDED RULES

GUIDED RULES (WITH DSL)

TEST SCENARIOS

Pricing loans.gdst - Guided Decision Tables

SaveDeleteRenameCopyValidateEditViewInsertLatest Version

EditorOverviewSourceData Objects

Decision table

All the rules inherit: None selected

Pricing loans

#	Description	application : LoanApplication				ome : IncomeSou	Loan approved	LMI	rate
		amount min	amount max	period	deposit max	income			
1		131000	200000	30	20000	Asset	true	0	2
2		10000	100000	20	2000	Job	true	0	4
3		100001	130000	20	3000	Job	false	10	6
4		100001	130000	20	3000	Job	false	10	6

Messages

Analysis

Analysis complete

- 3, 4 - Subsumtant rows

- 1 - Missing range

- 2 - Missing range

- 3 - Missing range

- 4 - Missing range

Subsumtant rows

Affected rows: 3, 4

Subsumption exists when one row does the same thing as another, with a sub set of the values/facts of an another rule.

These rules might insert duplicate facts into the working memory or execute functions twice. If this is not expected behaviour please remove the subsumtant row or make it more strict.

Screen

Perspective

Editor

Screen

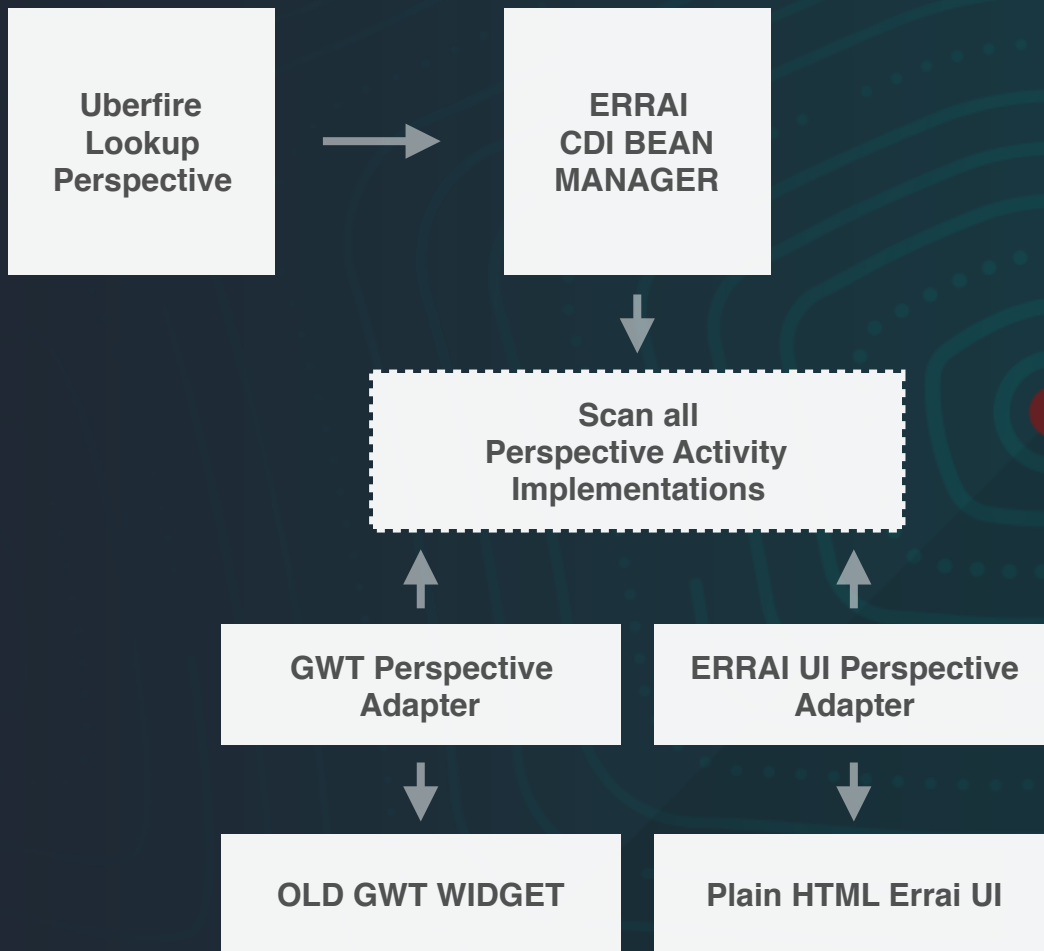
#RHForumBR

redhat

Baseado em Contratos

Screen	→	Interface WorkbenchScreenActivity
Editor	→	Interface WorkbenchEditorActivity
Perspective	→	Interface PerspectiveActivity

UBERFIRE VFS



← → ↻ localhost:8080/kie-wb/kie-wb.jsp#GuidedDecisionTableEditor?path_uri=default://master@uf-playground/mortgages/src/main/resources/org/mortgages/Pricing%252520loans.gdst&file_name=Pricing%2520loans.gdst&has_version_support=true

KIE Workbench ? ⚙️ 📄 📁 👤 admin

Home ▾ Authoring ▾ Deploy ▾ Process Management ▾ Tasks Dashboards ▾ Extensions ▾ Search 🔍

Explore ▾ New Item ▾ Repository ▾

Project Explorer 🔄 ⚙️ Open Project Editor ⏪

demo ▾ > uf-playground ▾ > mortgages ▾ ▾

- DRL ▾
- DATA OBJECTS ▾
- DOMAIN SPECIFIC LANGUAGE DEFINITIONS ▾
- ENUMERATION DEFINITIONS ▾
- GUIDED DECISION TABLES ▲
 - aaaa
 - Pricing loans
- GUIDED RULES ▾
- GUIDED RULES (WITH DSL) ▾
- TEST SCENARIOS ▾

Pricing loans.gdst - Guided Decision Tables

Save Delete Rename Copy Validate Latest Version ▾ 📄 ✕

Editor Overview Source Data Objects

All the rules inherit: None selected ▾

Decision table

Add row... Otherwise Audit log

#	Description	amount min	amount max	period	deposit max	income	Loan approved	LMI	rate
1		131000	200000	30	20000	Asset	true	0	2
2		10000	100000	20	2000	Job	true	0	4
3		100001	130000	20	3000	Job	true	10	6

Messages Clear 🔄 📄 ✕

Código de 7 anos atrás
com GWT “old school”

127.0.0.1:8888/drools-wb.html#LibraryPerspective%7C\$ProjectScreen,GuidedDecisionTableEditor?path_uri=default://master@myrepo/mortgages/src/main/resources/mortgages/mortgages/Pricing%252520loans.gdst&file_name=Pricing%2520loans.gdst&h...

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Add Column Edit Columns

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2		10000	100000	20	2000	Job	true	0	4
3		100001	130000	20	3000	Job	false	5	6
4		100001	130000	20	3000	Job	true	5	6

Código da semana passada
HTML 5 canvas

Live-Span de 5~10 anos

Trate a arquitetura Web
com o mesmo respeito
que você trata
seu backend.

5 pilares:

Aplicação de Larga Escala

Desenvolvedores full stack

Integração com UX

Life-Span de 5~10 anos

Interoperabilidade

```
@WorkbenchPerspective(identifier = "HomePerspective", isDefault = true)
```

```
@Templated
```

```
public class HomePerspective implements IsElement {
```

```
    @Inject
```

```
    @DataField
```

```
    @WorkbenchPanel(parts = "MoodScreen?uber=fire&uber1=fire1")
```

```
    Div moodScreen;
```

```
    @Inject
```

```
    @DataField
```

```
    @WorkbenchPanel(parts = "HomeScreen?uber=fire")
```

```
    Div homeScreen;
```

```
    @Inject
```

```
    @DataField
```

```
    @WorkbenchPanel(parts = "AnotherScreen")
```

```
    Div anotherScreen;
```

```
}
```

```
@JsType
```

```
public interface PerspectiveActivity{
```

```
    PerspectiveDefinition getDefaultPerspectiveLayout();
```

```
    @Override
```

```
    default String getName() {
```

```
        return getDefaultPerspectiveLayout().getName();
```

```
    }
```

```
    boolean isDefault();
```

```
    Menus getMenus();
```

```
    ToolBar getToolBar();
```

```
}
```



```

function TodoCtrl($scope) {
    $scope.placeText = "MiscellaneousFeatures";

    $scope.todos = [
        {text: 'learn angular', done: true},
        {text: 'build an angular app', done: false}
    ];

    $scope.addTo = function () {
        $scope.todos.push({text: $scope.todoText, done: false});
        $scope.todoText = '';
    };

    $scope.remaining = function () {
        var count = 0;
        angular.forEach($scope.todos, function (todo) {
            count += todo.done ? 0 : 1;
        });
        return count;
    };

    $scope.archive = function () {
        var oldTodos = $scope.todos;
        $scope.todos = [];
        angular.forEach(oldTodos, function (todo) {
            if (!todo.done) {
                $scope.todos.push(todo);
            }
        });
    };

    $scope["goto"] = function () {
        $gotoPlace($scope.placeText);
    };
}

```

```

<div class="container-fluid" ng-controller="TodoCtrl">
  <div class="row">
    <div class="col-md-12">
      <p class="pull-right" style="margin-top: 10px;">{{remaining()}} of {{todos.length}} remaining [
        <a href="" ng-click="archive()">archive</a> ]
      </p>
      <h4>Todos</h4>
      <ul class="list-group">
        <li class="list-group-item" ng-repeat="todo in todos">
          <span class="done-{{todo.done}}">{{todo.text}}</span>
          <input class="pull-right" type="checkbox" ng-model="todo.done">
        </li>
      </ul>
    </div>
  </div>
  <div class="row">
    <div class="col-md-6">
      <form class="form-inline" ng-submit="goto()">
        <div class="form-group">
          <input type="text" ng-model="placeText" size="30" class="form-control" placeholder="place to go">
          <input class="btn btn-primary" type="submit" value="GoTo">
        </div>
      </form>
    </div>
    <div class="col-md-6">
      <form class="form-inline pull-right" ng-submit="addTo()">
        <div class="form-group">
          <input type="text" ng-model="todoText" size="30" class="form-control" placeholder="add new todo here">
          <input class="btn btn-primary" type="submit" value="Add">
        </div>
      </form>
    </div>
  </div>
</div>

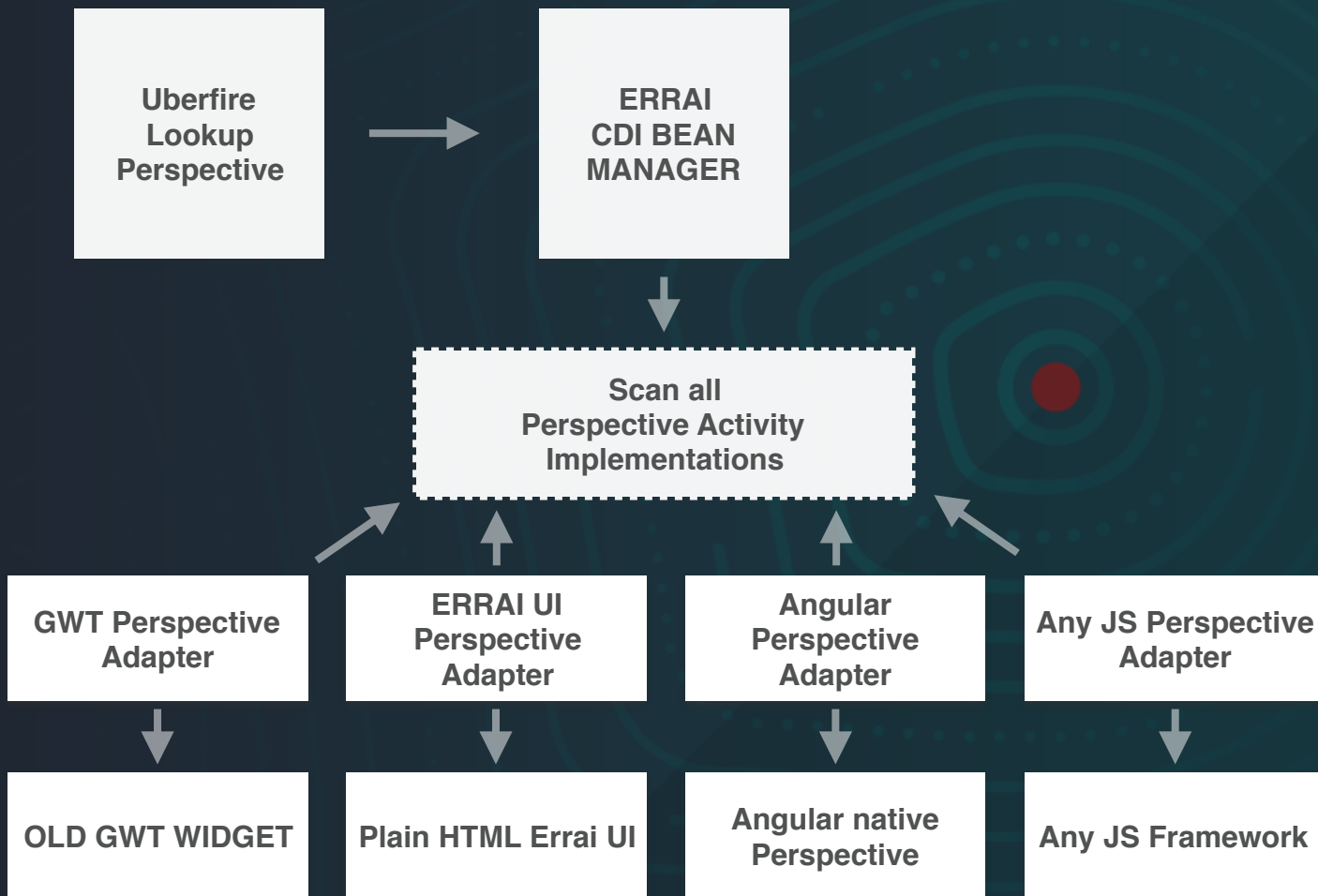
```

```

$registerPlugin({
  id: "my_angular_js",
  type: "angularjs",
  templateUrl: "angular.sample.html",
  title: function () {
    return "angular " + Math.floor(Math.random() * 10);
  },
  on_close: function () {
    alert("this is a pure JS alert!");
  }
});

```

Perspectives



[Home](#) [Perspectives ▾](#) [Screens ▾](#) 🔍

Quick Tour

A quick tour that shows UberFire cool features.

[▶ Play](#)

Sample App

Here a good example of an application build on top of UberFire.

[▶ Play](#)

angular 2

Todos

1 of 3 remaining [[archive](#)]

learn angular

✓

build an angular app

✓

Talk at QCon

☐

MiscellaneousFeatures

[GoTo](#)

add new todo here

[Add](#)

Todo List ▾

[Save](#) [Delete](#) [Edit ▾](#) [↕](#) [✕](#)

UberFire Todo List

UberFire is an amazing project, with a bright future, but as an Alpha version we know that it needs **some** improvements. Here are some things in our todo list:

- Improve Look & Feel
- Implement Themes
- Grid/Tile layout manager
- ...

Links

- [Source @ GitHub](#)
- [UberFire User List](#)
- [UberFire Dev List](#)
- [Drools Project](#)
- [JBPM Project](#)

Contribution

If you were looking for a fun project, to get involved with some cool tech. It doesn't get much better than contribute to UberFire :).

Angular JS Screen

5 pilares:

Aplicação de Larga Escala

Desenvolvedores full stack

Integração com UX

Life-Span de 5~10 anos

Interoperabilidade

Desenvolvimento Web é complexo

Aplicações Web são parte
da nossa arquitetura

Princípios

Independente de Frameworks

Testável

Independente de UI

Independente de Database

Independente de Agentes Externos

Arquitetura de software
é exercício de trade-offs

5 pilares:

Aplicação de Larga Escala

Desenvolvedores full stack

Integração com UX

Life-Span de 5~10 anos

Interoperabilidade

Obrigado.

Eder Ignatowicz
@ederign

Guilherme Carreiro
@karreiro_

