

# Launching Activiti 6

June 10, Paris

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# Why we badly needed a new UI

# Main reasons for the new UI

- New app concept
- New DnD form builder
- Vaadin 6 is not up-to-date anymore
- And ..... the current UI sucks



# Introduction to the new UI

# New UI Summary

- Apps, process and form builder
- Task and form UI
- Simple identity management
- Process state diagram
- Angular JS application
- Spring MVC REST layer on Activiti Engine



# BPMN editor (not much changed here)

Alfresco Activiti

Processes Forms Apps Test user ▾

Start Events Activities Structural Gateways Boundary Events Intermediate Catching Events Intermediate Throwing Events End Events Swimlanes Artifacts

```
graph LR; Start(( )) --> Task1{test}; Task1 --> End(( ));
```

▼ test

Process identifier :	test	Name :	test
Documentation :	No value	Process author :	No value
Process version string (documentation only) :	No value	Target namespace :	http://www.activiti....
Event listeners :	No event listeners configured	Execution listeners :	No execution listeners configured
Message definitions :	No message definitions configured	Signal definitions :	No signal definitions configured

# New form editor

The screenshot shows the Alfresco Activiti Form Editor interface. At the top, there is a navigation bar with the Alfresco Activiti logo, 'Processes', 'Forms' (which is the active tab), 'Apps', and a 'Test user' dropdown. Below the navigation bar is a toolbar with icons for saving and checking the form. On the left side, there is a sidebar containing a list of form field types: Text, Multiline text, Number, Checkbox, Date, Dropdown, Radio buttons, People, Group of people, Upload, and Display value. The main area is titled 'process form' and shows 'Version 2' was last updated by 'Test user, Today at 4:48 PM'. It has two tabs: 'Design' (selected) and 'Outcomes'. The 'Design' tab contains several input fields: 'Name\*' (Text type), 'Text' (Text type), 'Date' (Date type), 'Person' (Select person type), and 'Upload' (Upload type). Each input field has a placeholder text and a corresponding icon.

## New form editor (2)

- Drag and drop form editor
- Support for most common form field types
- Label, id, required and placeholder configuration



Text



Multiline text



Number



Checkbox



Date



Dropdown



Radio buttons



People



Group of  
people



Upload



Display value

# New form editor (3)

- Outcome configuration
- Default button is 'complete'

## process form

Version 2 Last updated by Test user, Today at 4:48 PM

Design

Outcomes

You can define multiple outcomes for this task. When completing a task, the users selects one of the available outcomes, which can be used in eg. a condition further on in the process.

- Don't use custom outcomes, only show a 'Complete' button.
- Use custom outcomes for this form.

### Possible outcomes

Ok

Not ok

Remove

Add outcome

# App editor

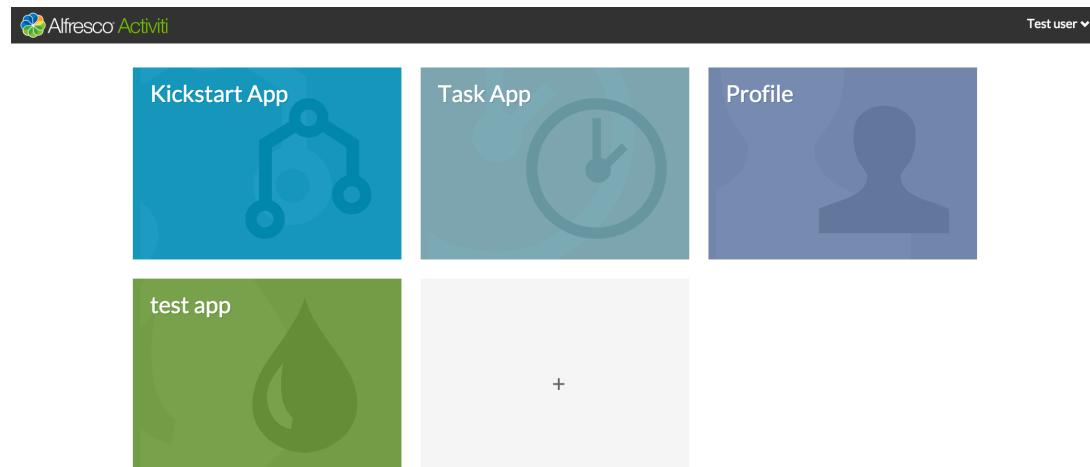
- Create app definition
- Include process models
- Choose icon + theme color

The screenshot shows the Alfresco Activiti interface with the 'Apps' tab selected. A new app definition is being created, titled 'test app'. The 'PREVIEW' section shows a green background with a large white water droplet icon and the text 'test app'. The 'Icon' section has a placeholder 'Change icon...' and the 'Theme' section has a placeholder 'Change theme...'. Below this, the 'Models included in the app definition' section shows a process model diagram labeled 'v1'. The diagram consists of a start event, a task node labeled 'test' with a user icon, and an end event, connected by a sequence flow.

```
graph LR; Start(( )) --> Task1{test}; Task1 --> End(( ));
```

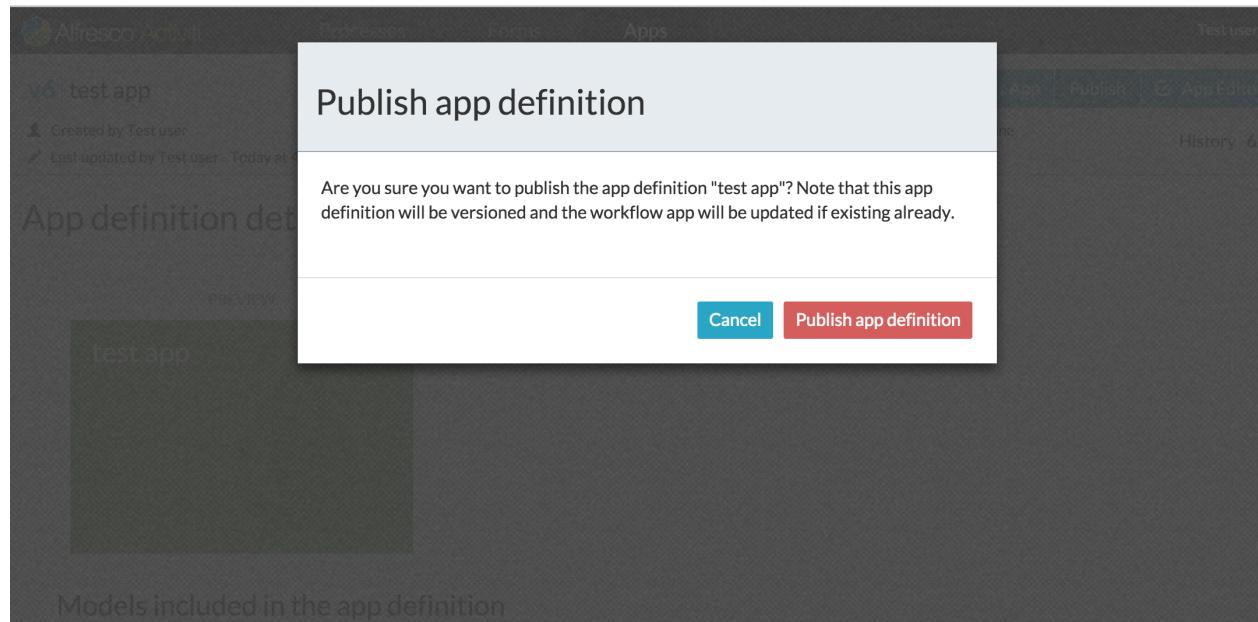
# What's an app?

- Grouping of process definitions
- Name, description, icon + theme color
- JSON definition
- Can be exported (zip)
- Can be imported (zip)



# Publishing an app

- Generate BPMN XML
- Deploy to Activiti Engine and store app and forms in runtime tables



# Starting a process with a start form

- Form renderer including required field validation

The screenshot shows the Alfresco Activiti interface. At the top, there is a navigation bar with the Alfresco Activiti logo, 'Tasks', 'Processes' (which is the active tab), a user icon for 'test app', and a dropdown for 'Test user'. A tooltip-like callout points from the 'Processes' tab to the right-hand form area.

The main area displays a process instance titled 'test - June 8th 2015'. The form contains several fields:

- Name \***: An input field with a red border, indicating it is a required field.
- Date (d-M-yyyy)**: A date input field.
- Person**: A section stating 'No person selected...'.
- Upload**: A section with a placeholder 'Drop or Select a file'.

At the bottom right of the form area are two buttons: 'Ok' and 'Not ok'.

To the left of the main form, a sidebar lists 'Select a process to start from the list below' and shows a single entry: 'test'.

A blue button labeled '< Back to process instances' is located at the bottom of the sidebar.

# A completed form can be viewed afterwards

- Submitted values are stored in a separate table

test - June 8th 2015

Started by: Test user   Started: 36 minutes ago   Part of process: test - June 8th 2015

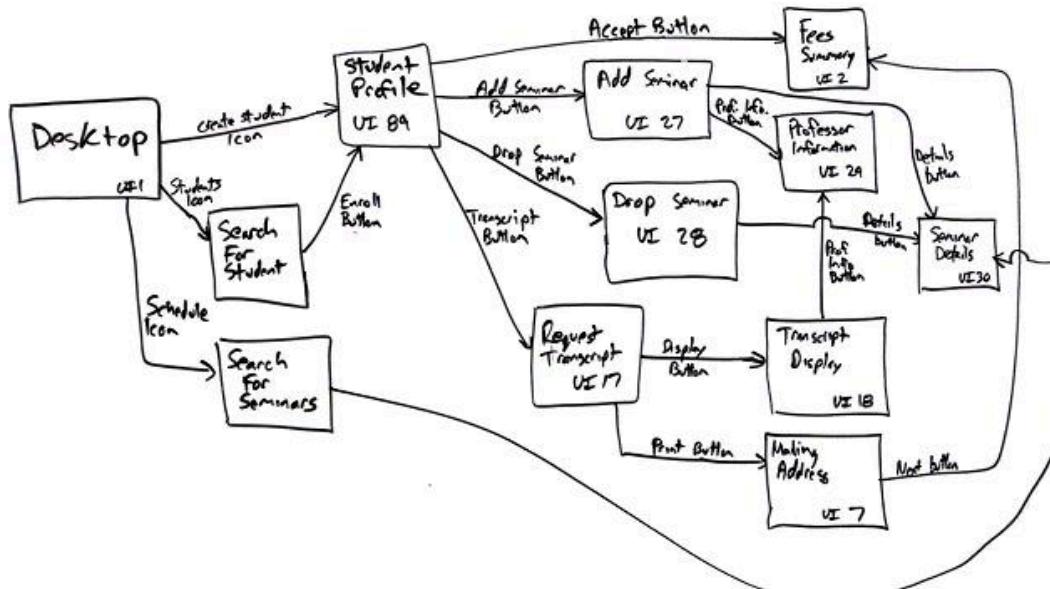
Name	test
Date	June 8 2015
Person	 Test2 user
Upload	 activiti-logo.png Added by Test user , Today at 4:48 PM

# Demo!



# Database model

- For the app we've added additional tables (not needed by the Engine)
- Liquibase script for version management, Hibernate for data access
- Compatible with Activiti Enterprise



# Application layering and frameworks

- Angular JS for frontend
- Spring MVC for REST layer
- Hibernate JPA for persistence
- Spring security
- Liquibase for database model versioning

# Next steps

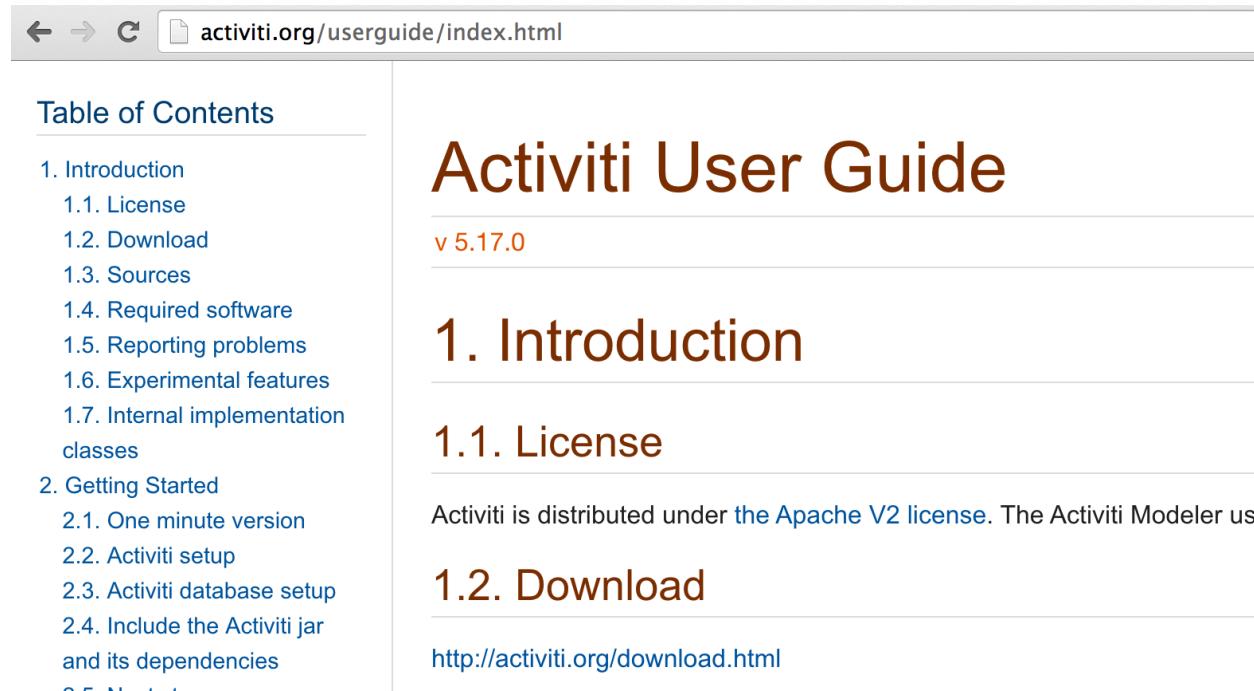
# Get it on Github!

- Almost ready with cleaning up the code
- We'll do a beta version release together with the Activiti 6 Engine

The screenshot shows the GitHub repository page for Activiti. At the top, there's a header with navigation icons, the GitHub logo, and the URL https://github.com/Activiti/Activiti. Below the header, there's a search bar, a navigation menu with links to Explore, Gist, Blog, and Help, and a user profile for tijsradem. The main content area displays the repository name "Activiti / Activiti". On the right side, there are buttons for Unwatch (with 236 watchers) and Unstar. Below the repository name, a brief description states: "Activiti is a light-weight workflow and Business Process Management (BPM) Platform targeted at business people, developers and system admins. Its core is a super-fast and rock-solid BPMN 2 process engine for Java. It's open-source and distributed under the Apache license. Activiti runs in any Java application, on a server, on a cluster or in the... <http://www.activiti.org> — Edit". A summary bar shows 5,395 commits, 14 branches, 32 releases, and 98 contributors. The main feed lists several recent commits and pull requests, including a merge pull request from smirzai, a fix for distro build, and restructuring of the modules. The commits are timestamped from "a month ago" to "5 years ago".

# Update the user guide

- Update the documentation of the UI



The screenshot shows a web browser displaying the Activiti User Guide at [activiti.org/userguide/index.html](http://activiti.org/userguide/index.html). The page has a header with navigation icons and a URL bar. The main content area features a large title "Activiti User Guide" in brown, followed by a version number "v 5.17.0". Below the title, there are two main sections: "1. Introduction" and "1.1. License". The "Introduction" section contains text about the Apache V2 license and the Activiti Modeler. The "License" section provides a link to the download page.

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v 5.17.0

# Activiti User Guide

## 1. Introduction

### 1.1. License

Activiti is distributed under [the Apache V2 license](#). The Activiti Modeler uses

### 1.2. Download

<http://activiti.org/download.html>

# Gather feedback and act upon it

- Gather feedback with the beta builds
- Make changes accordingly



# Questions?

