Vaacin Worldwide Hack Day

@joonaslehtinen Founder & CEO



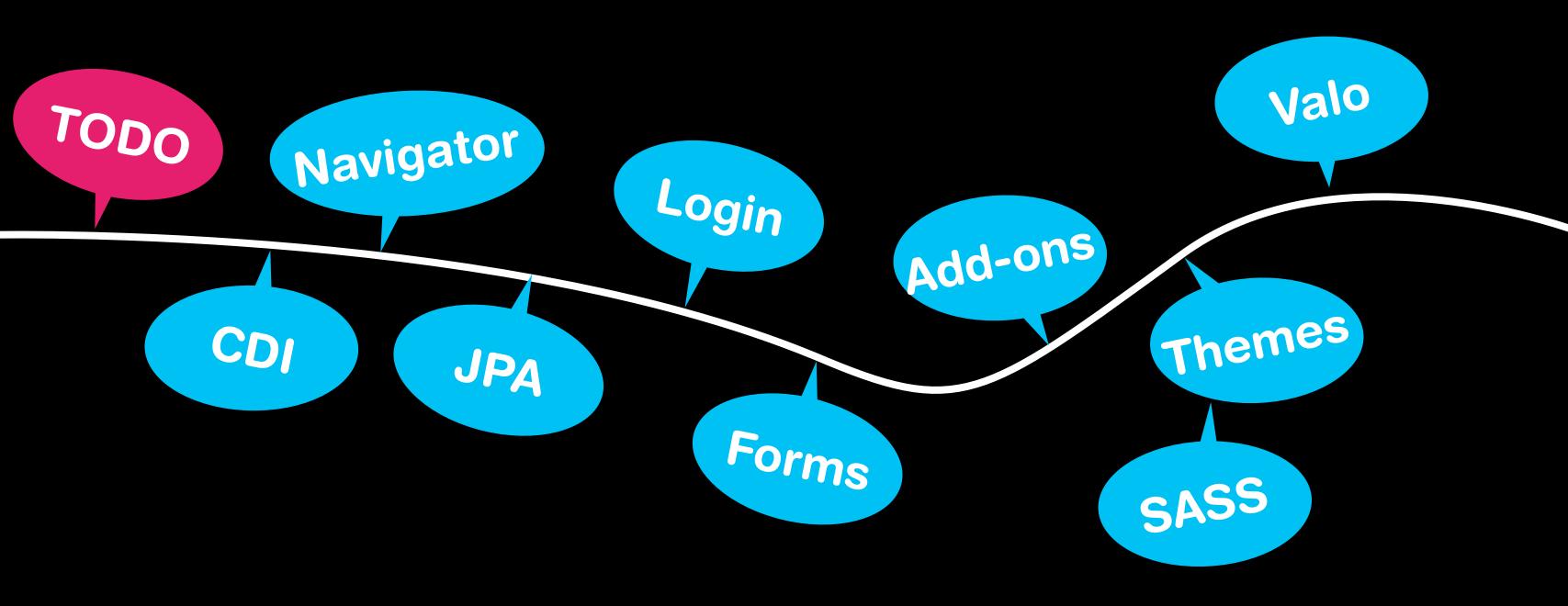
Learn to build full stack web apps in Java 8, JPA, CDI, responsive SCSS, ... with Vaadin

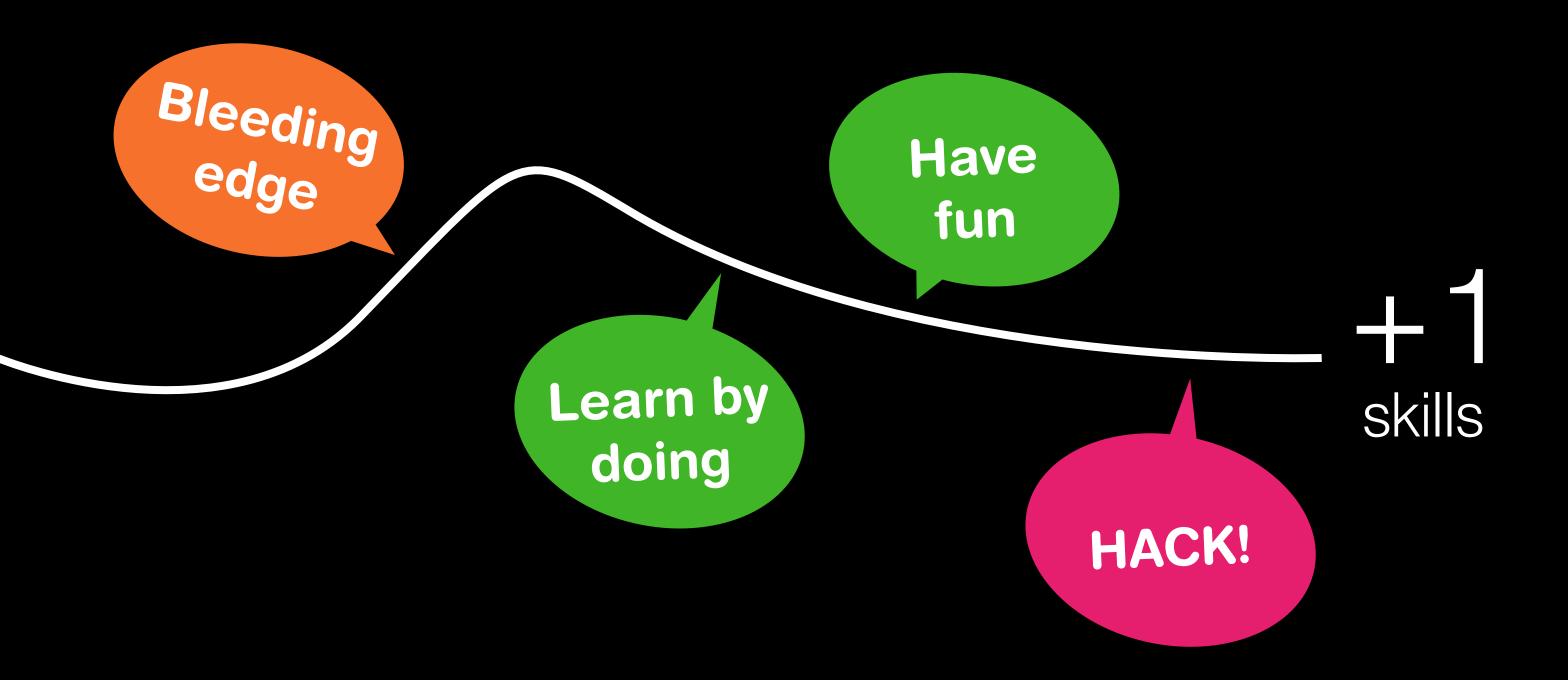
3h

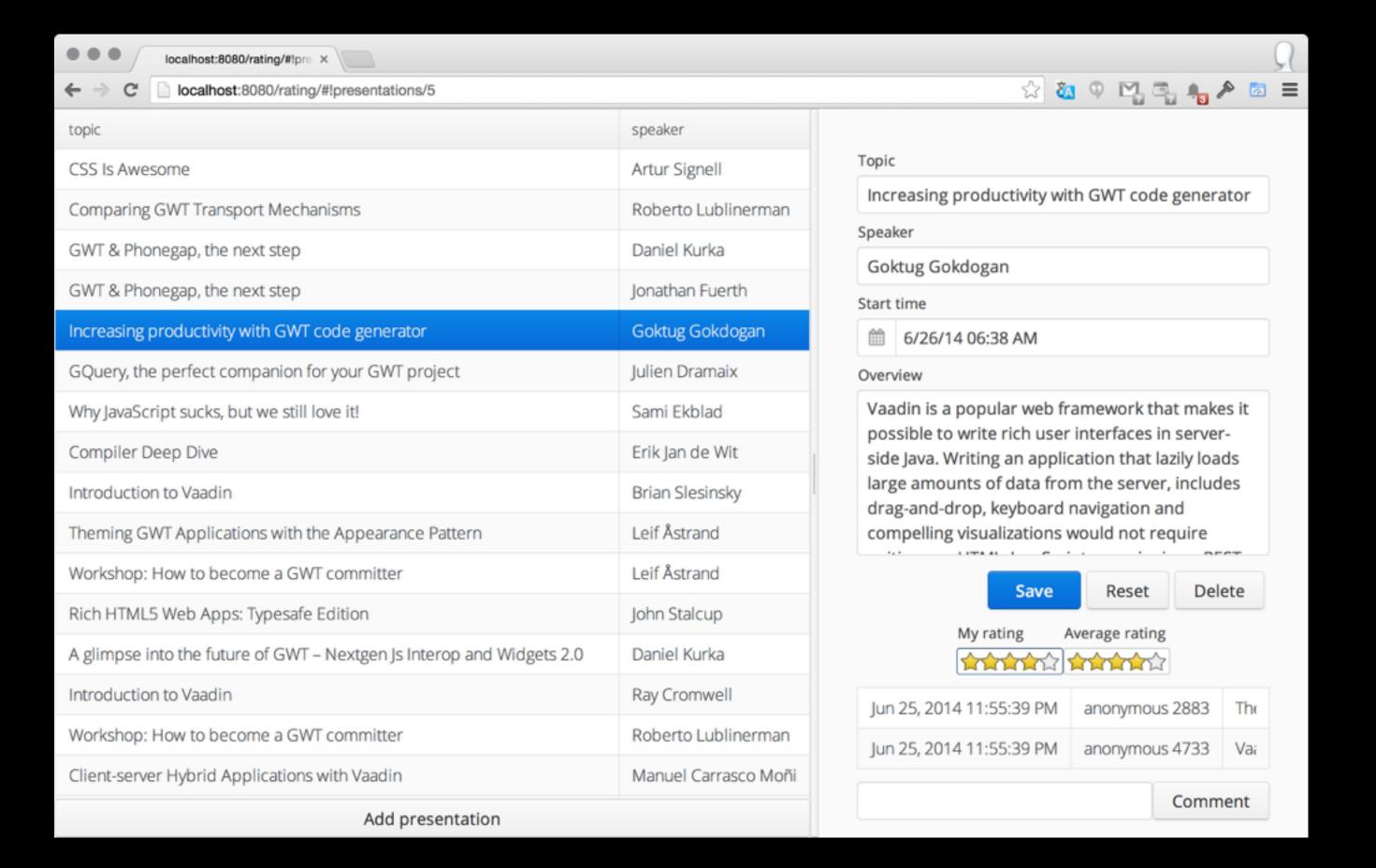


Intro to Vaadin

new Label("Hello world")









Source & these slides

https://github.com/jojule/rating

Questions?

#NightHacking #vaadin



Shopping list...

Java 8

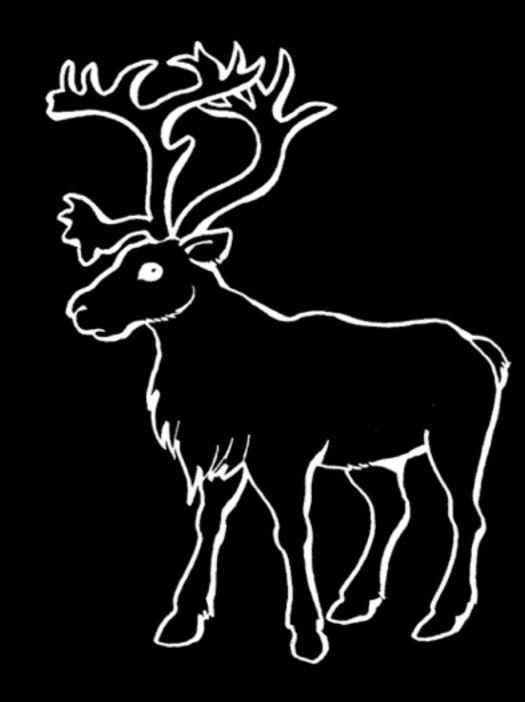
```
13 4.4 IDE - Netbeans | Intellij | Eclipse
```

The latest one with Java 8 support needed

JEE6 server - TomEE | Glassfish | Wildfly

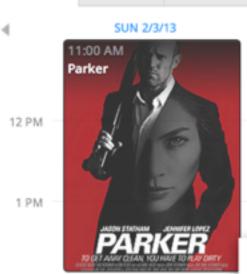
→ Download now

vaadin >>



User interface framework for rich web applications





Broken City

Catalog

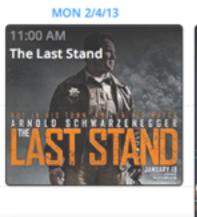
Calendar

2 PM

3 PM

4 PM

5 PM

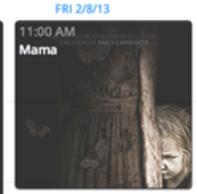






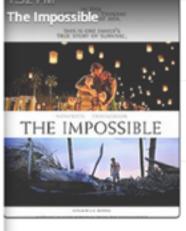


THU 2/7/13



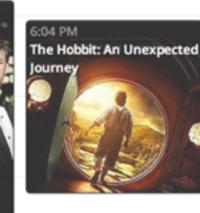


SAT 2/9/13











Les Miserables



Date 07-00-2013 Starts 11:00 AM Ends 01:50 PM Duration 170 minutes

Synopsis Set against the backdrop of 19th-century France, Les Miserables tells an enthralling story of broken dreams and unrequited love, passion, sacrifice and redemption-a timeless testament to the survival of the human spirit. Jackman plays ex-prisoner Jean Valjean, hunted for decades by the ruthless policeman Javert (Crowe) after he breaks parole. When Valjean agrees to care for factory worker Fantine's (Hathaway) young daughter, Cosette, their lives change forever. In December 2012, the world's longestrunning musical brings its power to the big screen in Tom Hooper's sweeping and spectacular interpretation of Victor

Hugo's epic tale. -- (C) Universal





Zero Dark Thirty

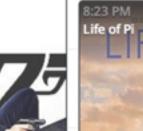
BROKEN CIT















8:53 PM

Developer

Productivity

Rich

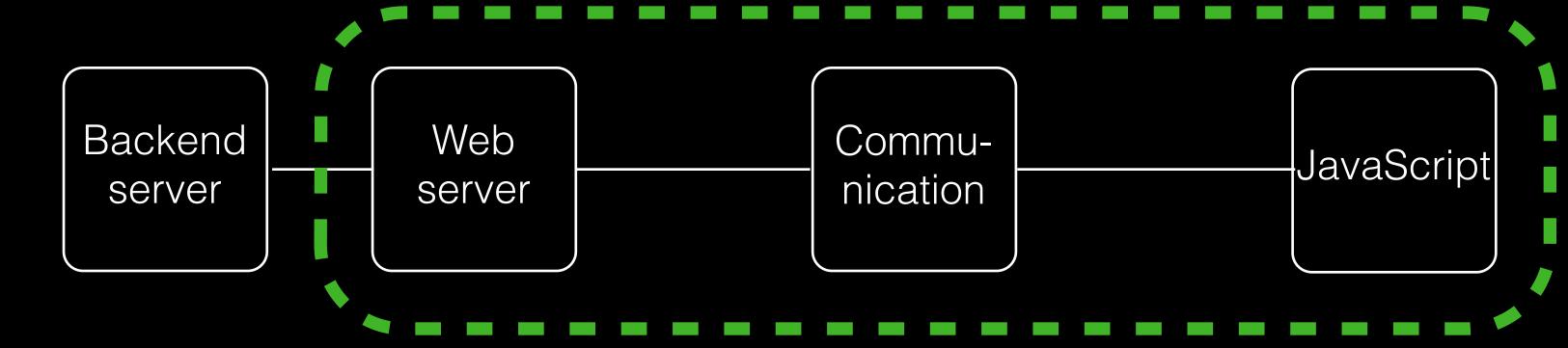
UX



java html >

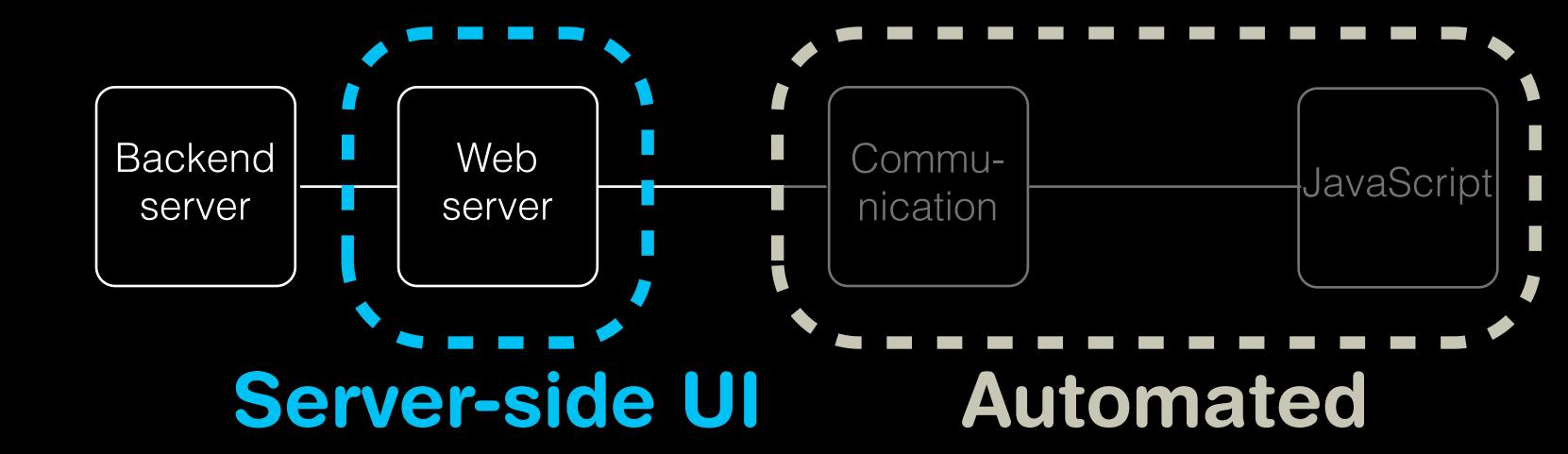
Web application layers

Client-side UI





Web application layers



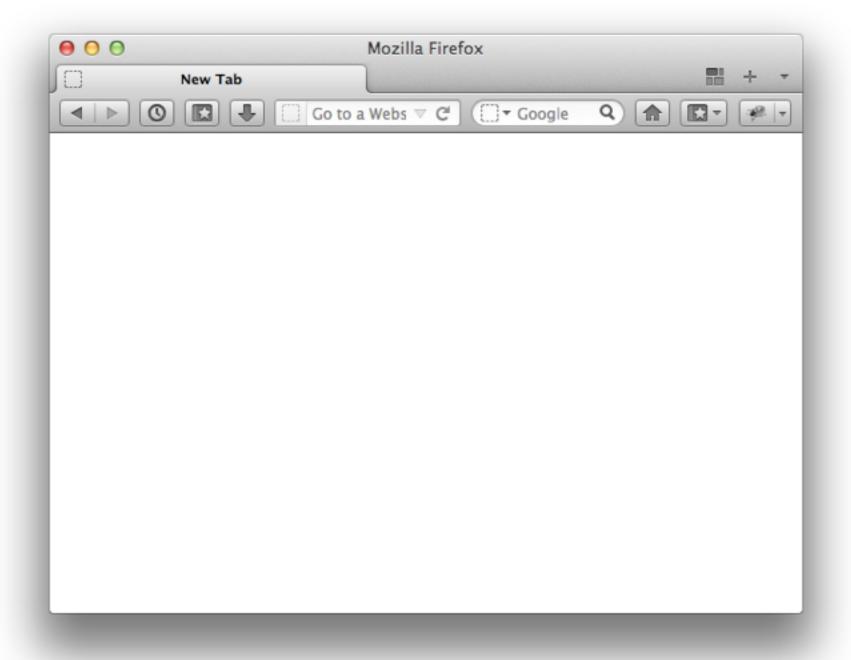


How does server-side UI work, really?



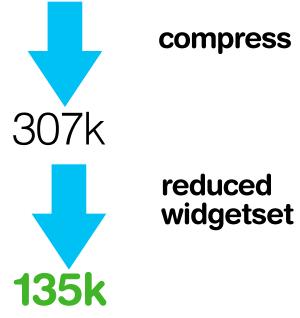
```
TextField name = new TextField("Name");
Button greetButton = new Button("Greet");
layout.addComponents(name, greetButton);
greetButton.addClickListener(
        e -> Notification.show("Hi " + name.getValue()));
```



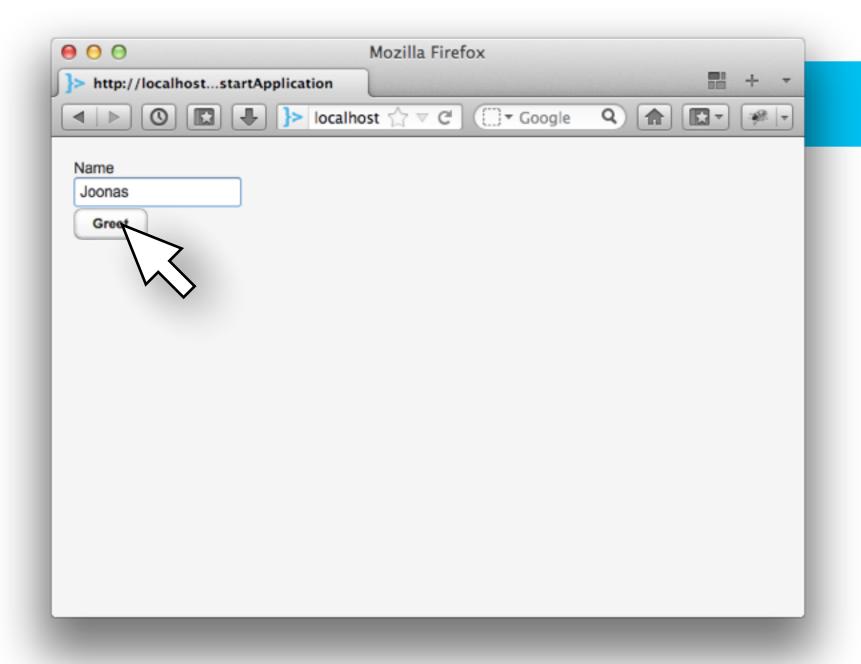


- Initial HTML
- CSS (theme)
- ImagesJavaScript

1.2M total







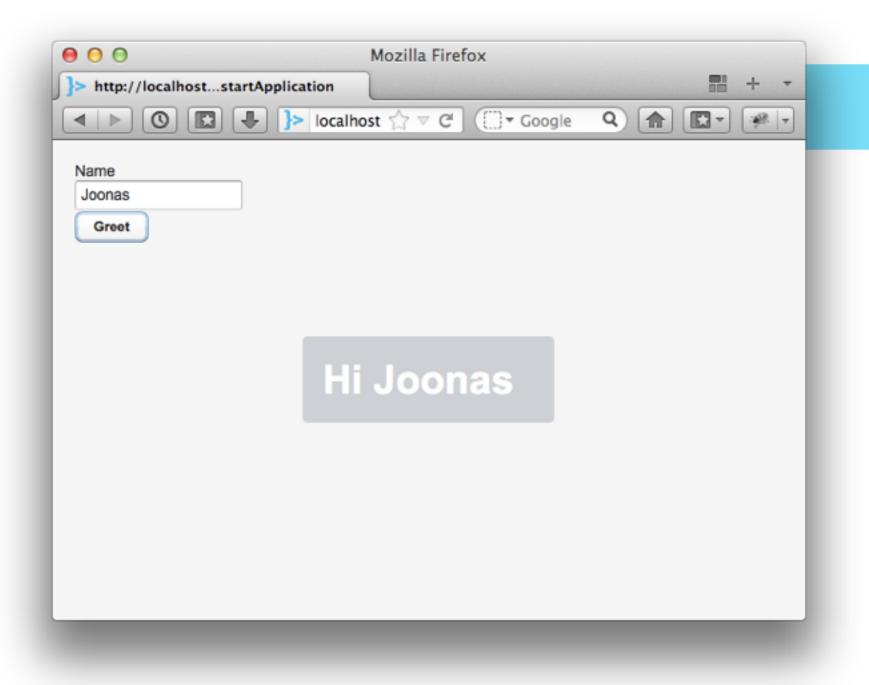
- name="Joonas"
- button clicked

261 bytes



```
TextField name = new TextField("Name");
Button greetButton = new Button("Greet");
layout.addComponents(name, greetButton);
greetButton.addClickListener(
        e -> Notification.show("Hi " + name.getValue()));
```





- name="Joonas"
- button clicked

261 bytes

Add notification

267 bytes















Pure Java



Any language on JVM



Internet Explorer Chrome Firefox Safari Opera iOS Android



No browser plugins

Nothing to install



Servlet Portlet (most) clouds

Anything Java



IntelliJ IDEA Netbeans Maven / Gradle / Ant

Anything Java



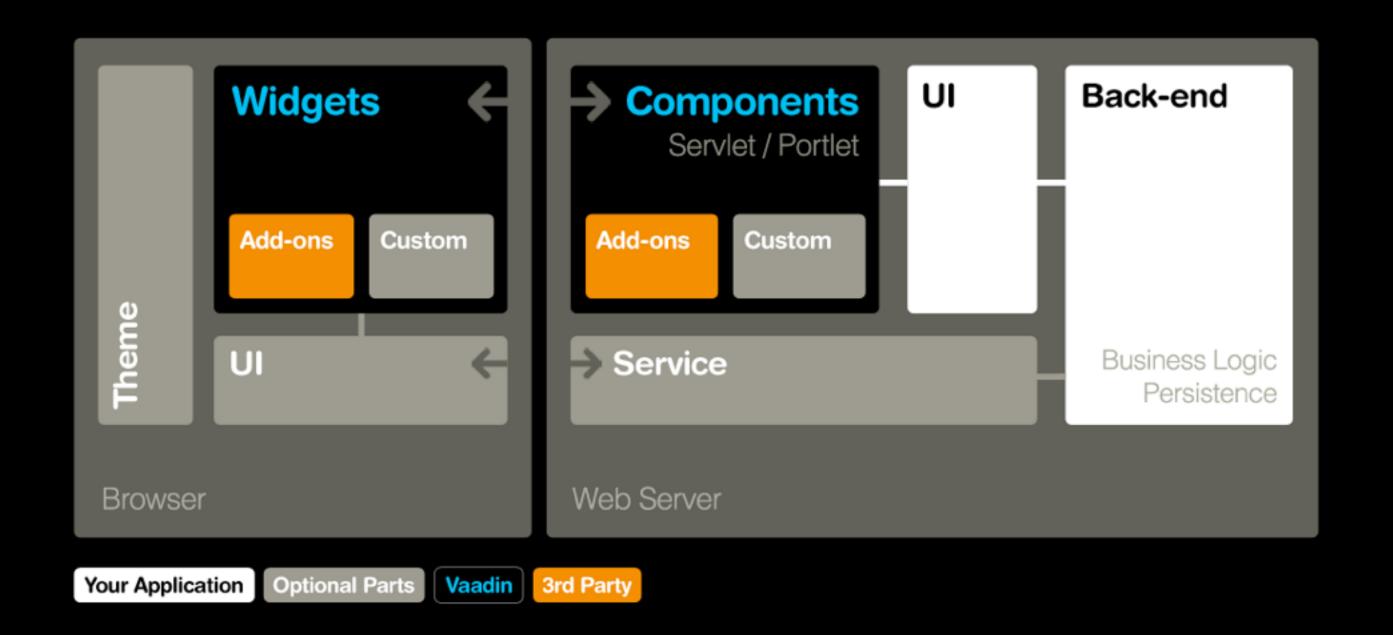
Java EE Spring OSGi REST

Anything Java



Architecture

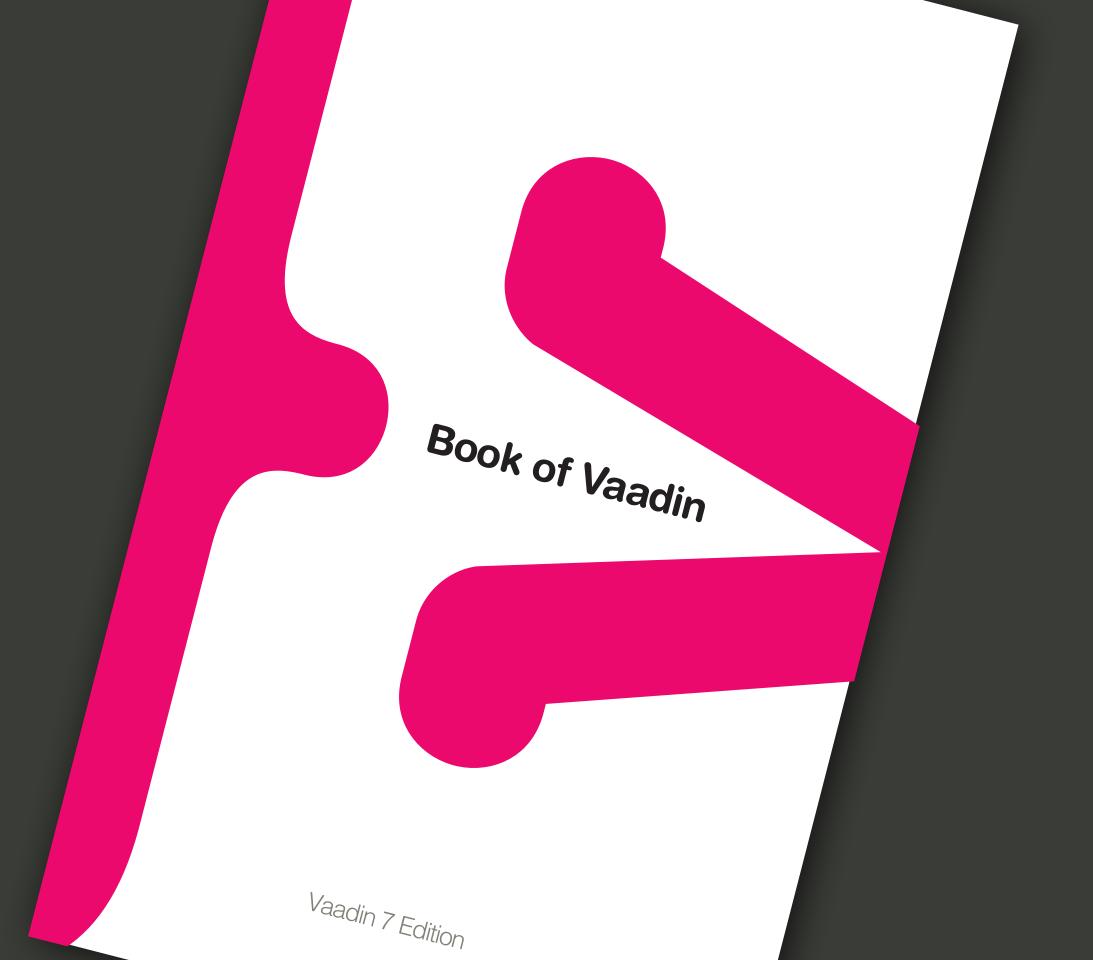






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vaadin.com/book



728 pagesPDF, ePub, HTML



Apache License

Step 0: Hello World!



https://github.com/jojule/rating

Branch

step-0

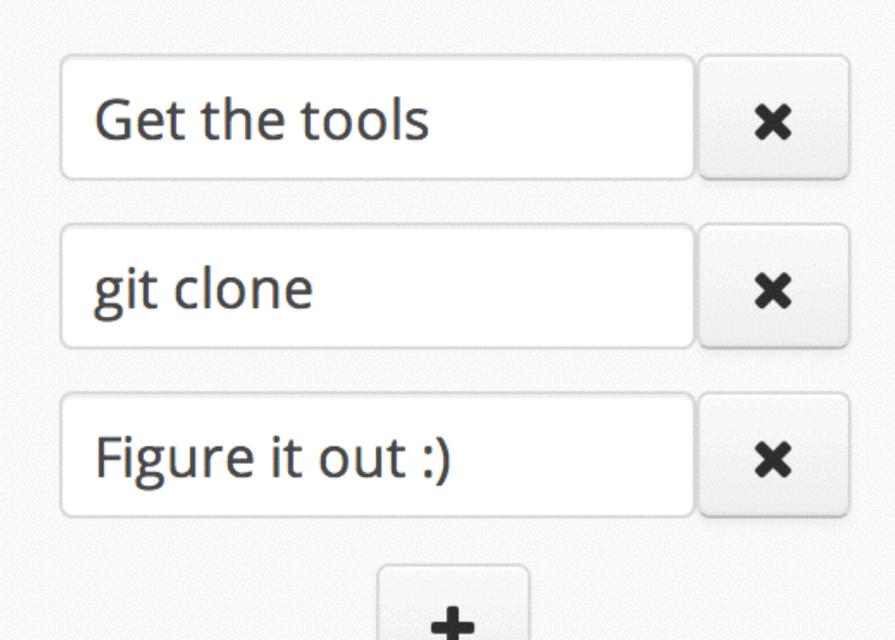
Info

https://vaadin.com/book/-/page/getting-started.html



Challenge: TODO





https://github.com/jojule/rating

Branch

step-0-todo

Info

https://vaadin.com/book/-/page/components.html



Step 1: CDI & JPA

CDI

Source

https://github.com/jojule/rating

Branch

step-1-cdi

Info

http://vaadin.com/addon/vaadin-cdi



JPA

Source

https://github.com/jojule/rating

Branch

step-1

Info

https://vaadin.com/book/-/page/jpacontainer.html



Step 2: Login

https://github.com/jojule/rating

Branch

step-2



Step 3: Form



https://github.com/jojule/rating

Branch

step-3

Info

https://vaadin.com/book/-/page/datamodel.html



Step 4: Add-ons



https://github.com/jojule/rating

Branch

step-4

Info

https://vaadin.com/book/-/page/addons.html



Step 5: Theme

https://github.com/jojule/rating

Branch

master

Info

https://vaadin.com/book/-/page/themes.html





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