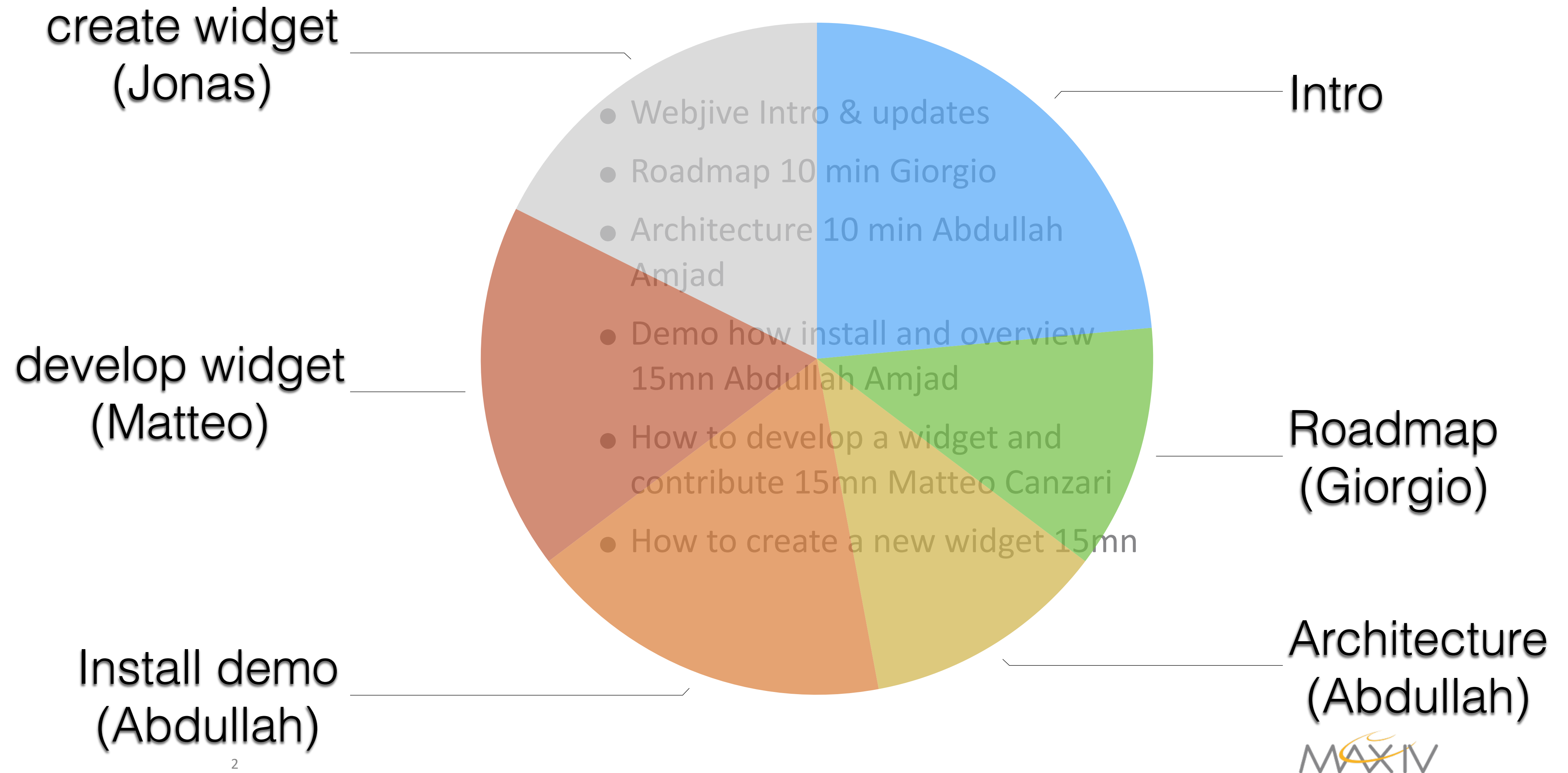




WebJive Workshop

Tango virtual meeting,
10th of June 2020

WebJive workshop agenda



Speakers

Giorgio Brajnik

Abdullah Amjad

Matteo Canzari

Jonas Rosenqvist

Zen and the art of User Experience

Sharing Knowledge

Interoperable

Easy Access

Open

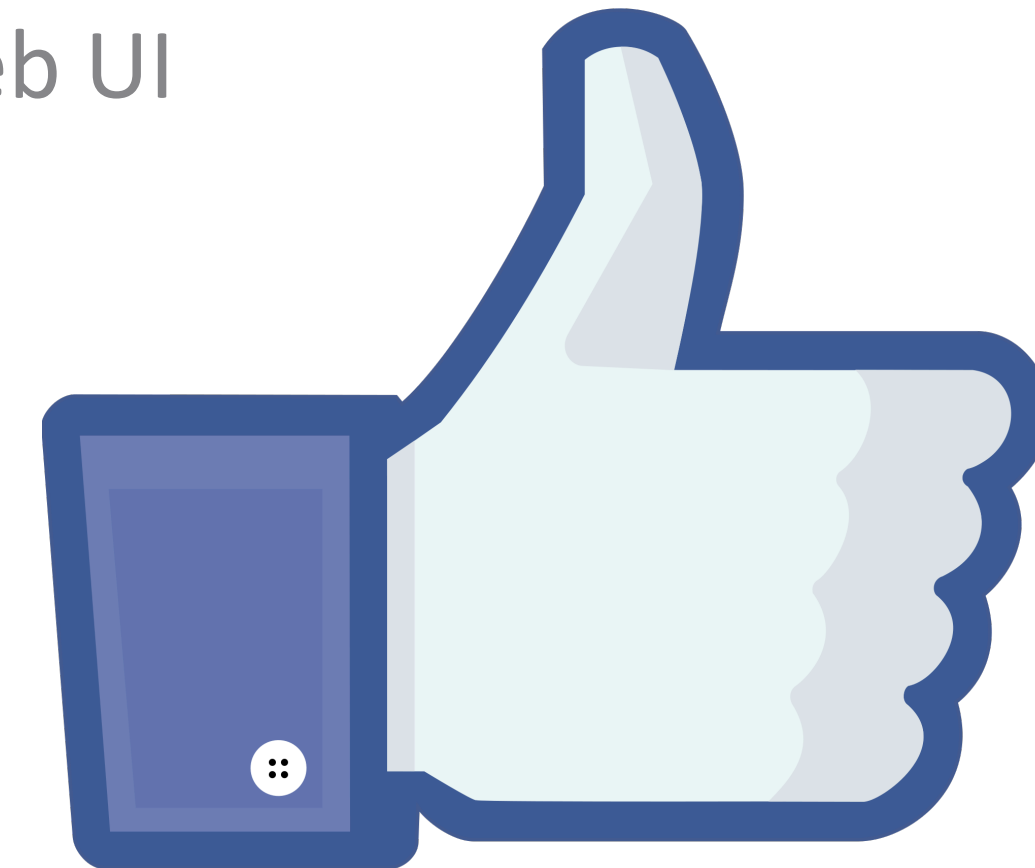


HI 00135 00086



User feedback so far

- In general our user are very comfortable with the web UI
- They want to:
 - Access quickly and easily the information,
 - Mix different source of information,
 - Link information together
- Most of our user don't want to bother with technical details but want a system where all possibilities are open
- COVID Boost:
 - Interest has increased
 - More Staff went remote lately, don't want a remote desktop
 - Easy sharing with bookmark



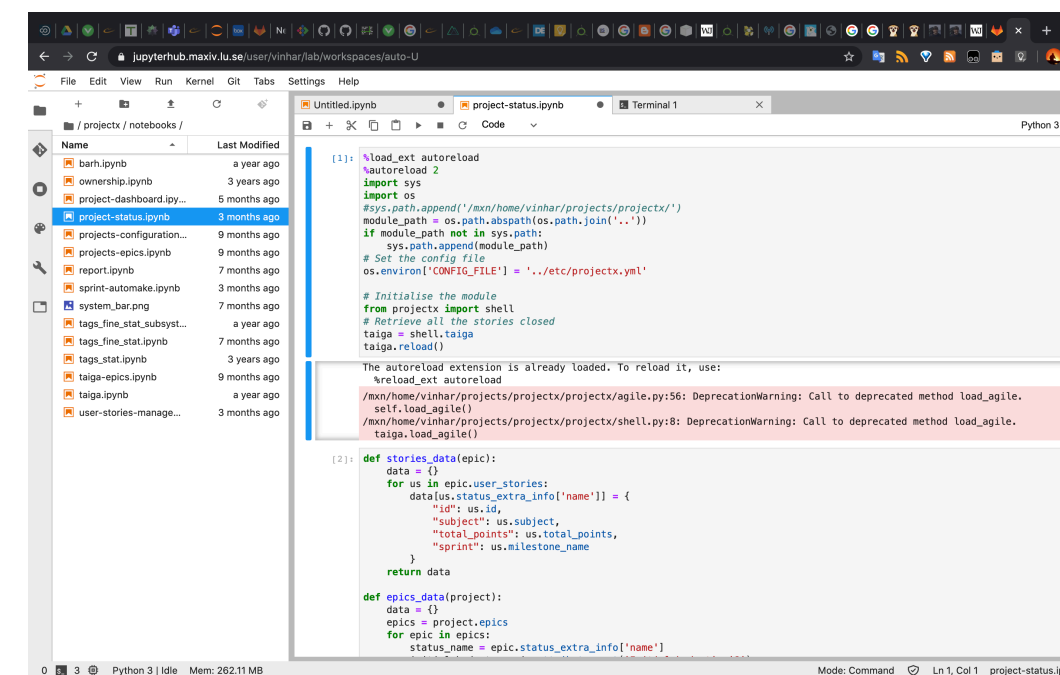
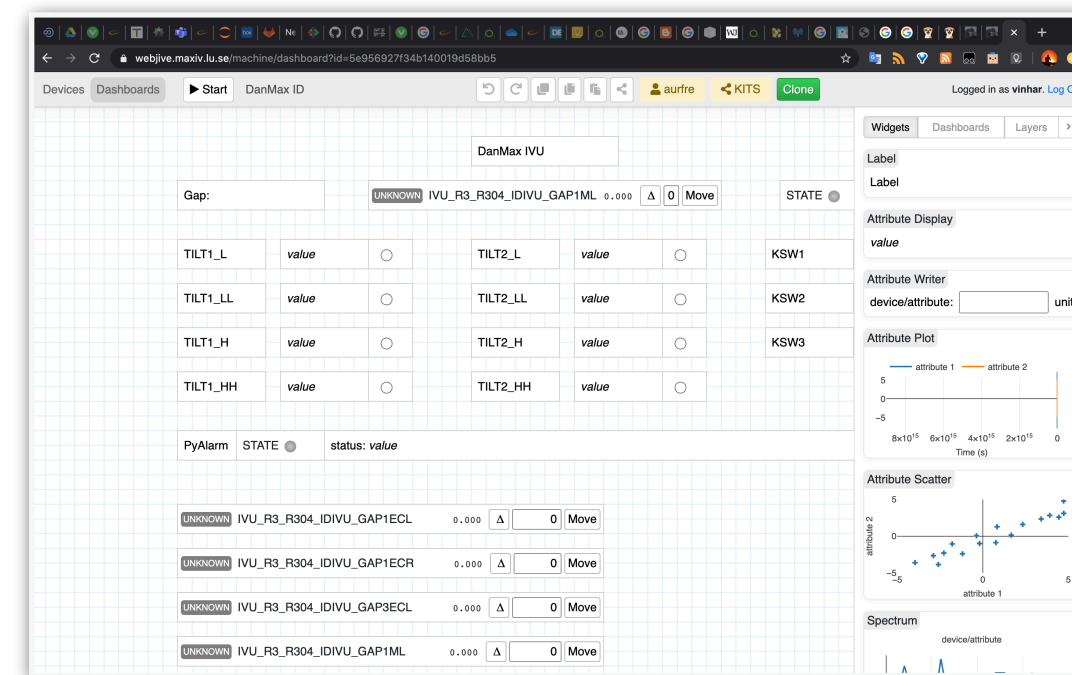
User involvement

Creating Dashboard

Creating UI

Creating Script

User Interface

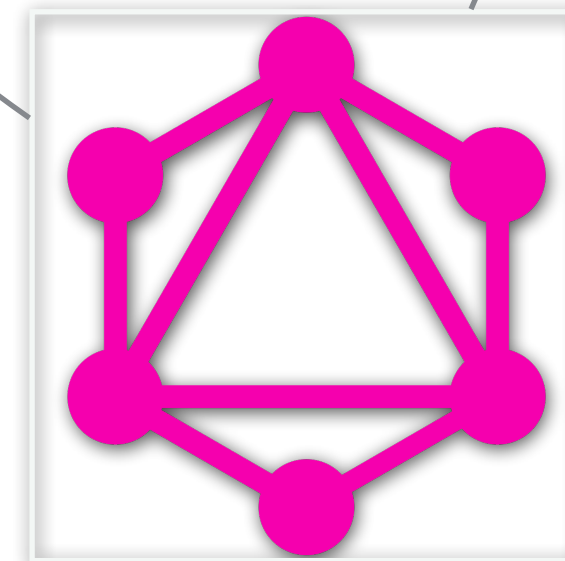


```
#!/usr/bin/env python
from setuptools import setup, find_packages
import sys

TESTING = any(x in sys.argv for x in ['test', 'pytest'])

setup(
    name="detector_ctrl",
    version="0.1.1",
    packages=["detector_ctrl", "detector_macros"],
    test_requires=['setuptools',
                  client_loop: send disconnect: Broken pipe
                  ]
)
```

API



All modern services:
Authenfication, Authorisation, Logging

Can access the control system outside of the firewall

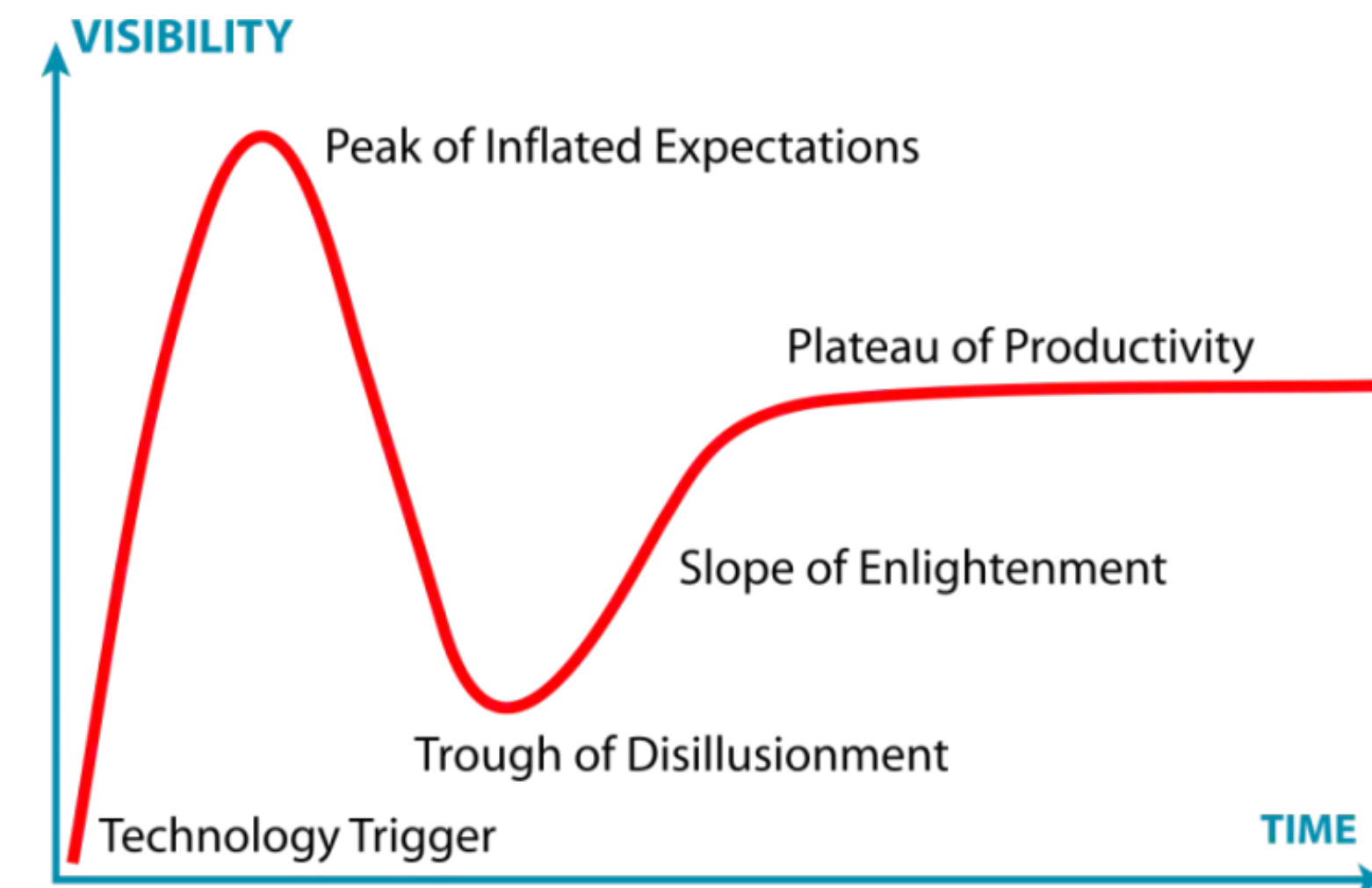
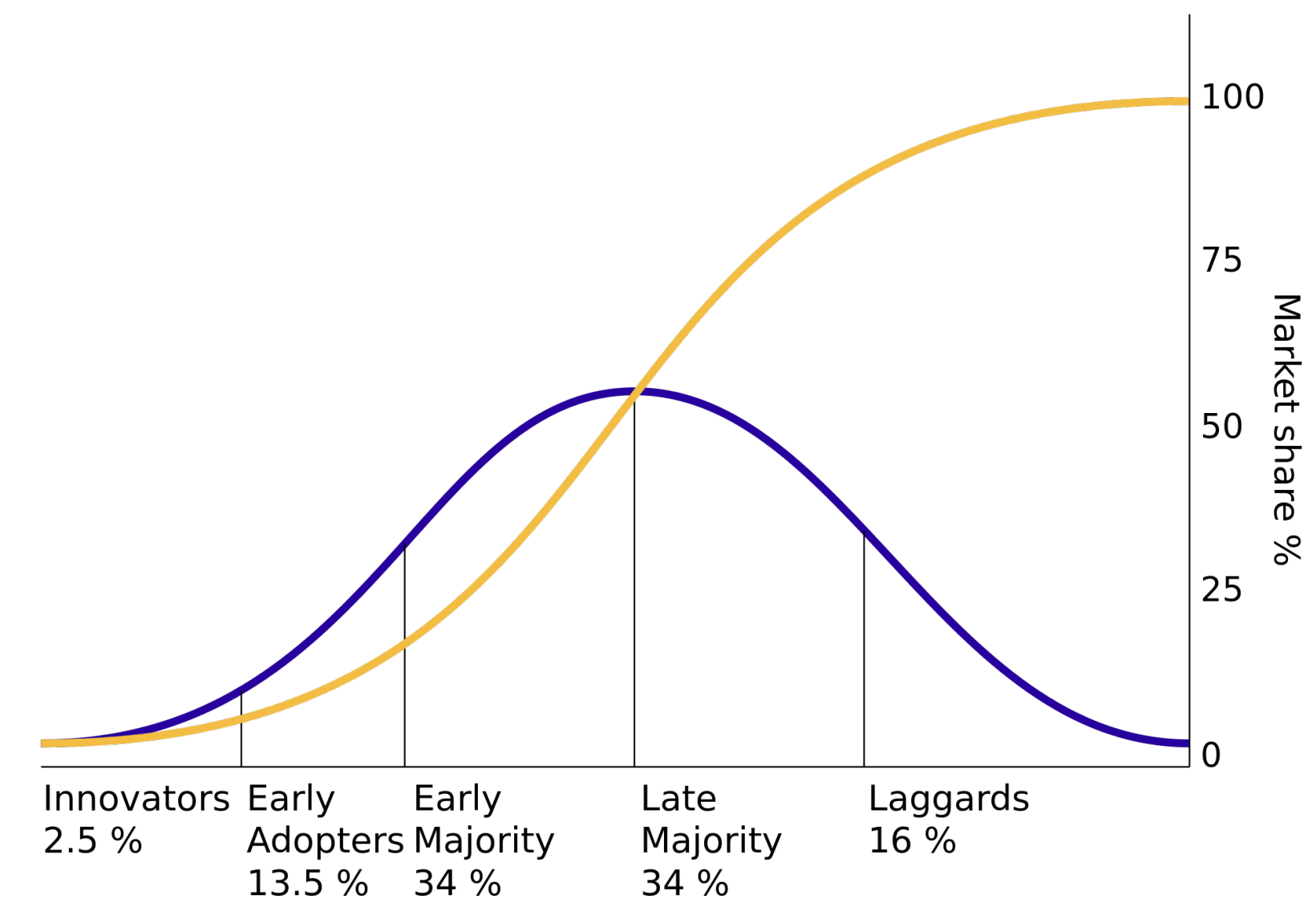
Why now?

- Technologic plateau
- Desktop is not dead
- But more UI development on the web platform
- Web technology are now mature
- Coming to control step by step: ICALEPCS, few presentations mostly on REACT.js

THE WEB AS THE PRIMARY CONTROL SYSTEM USER INTERFACE,
R. Neswold et al., ICALEPCS 2019

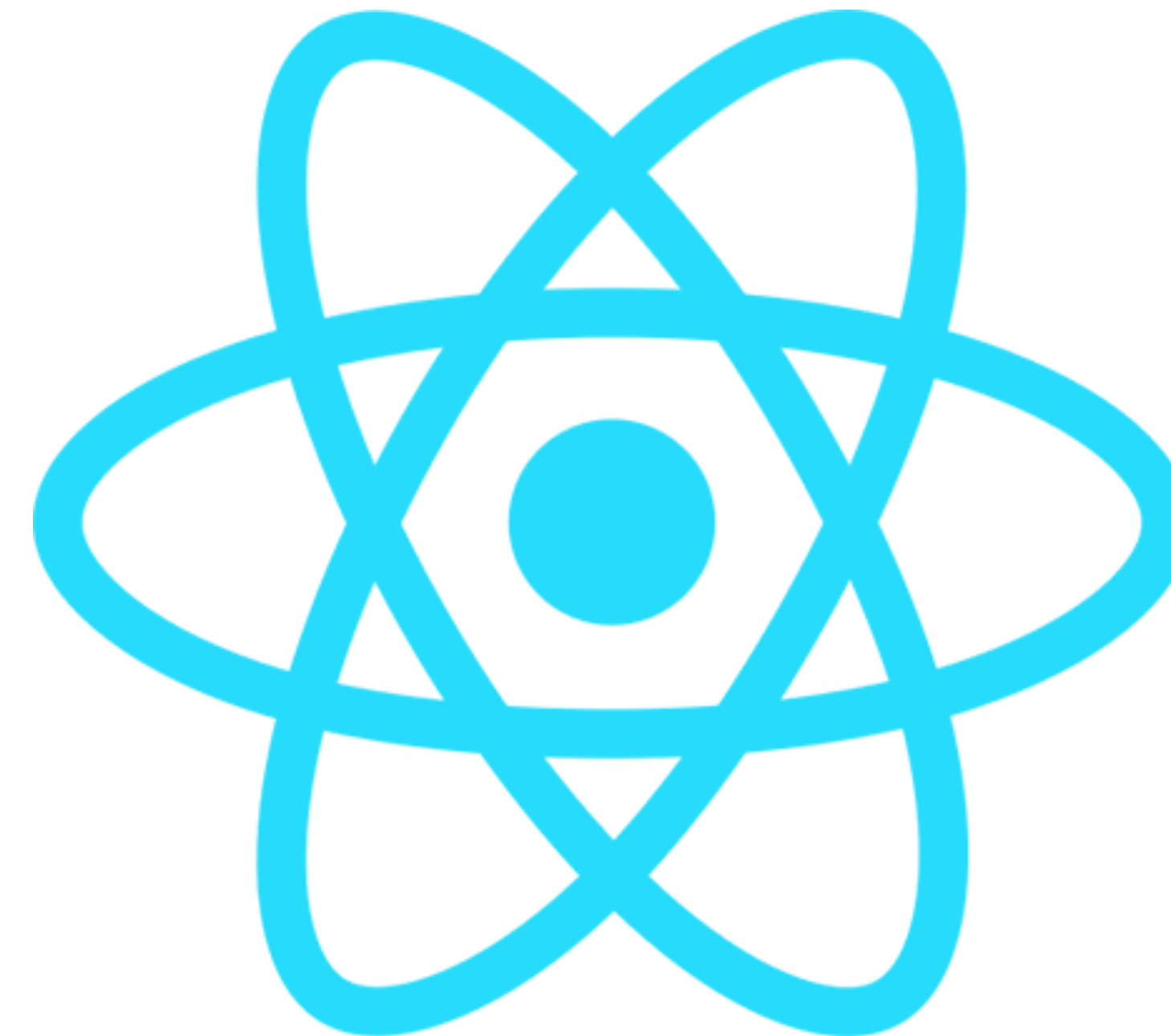
MALCOLMJS:ABROWSER-BASEDGRAPHICALUSERINTERFACE
I. J. Gillingham et al., ICALEPCS 2017

FROM MXCuBE3 TO BSXCuBE3
A WEB APPLICATION FOR BioSAXS EXPERIMENT CONTROL,
M. Oskarsson et al., ICALEPCS 2019

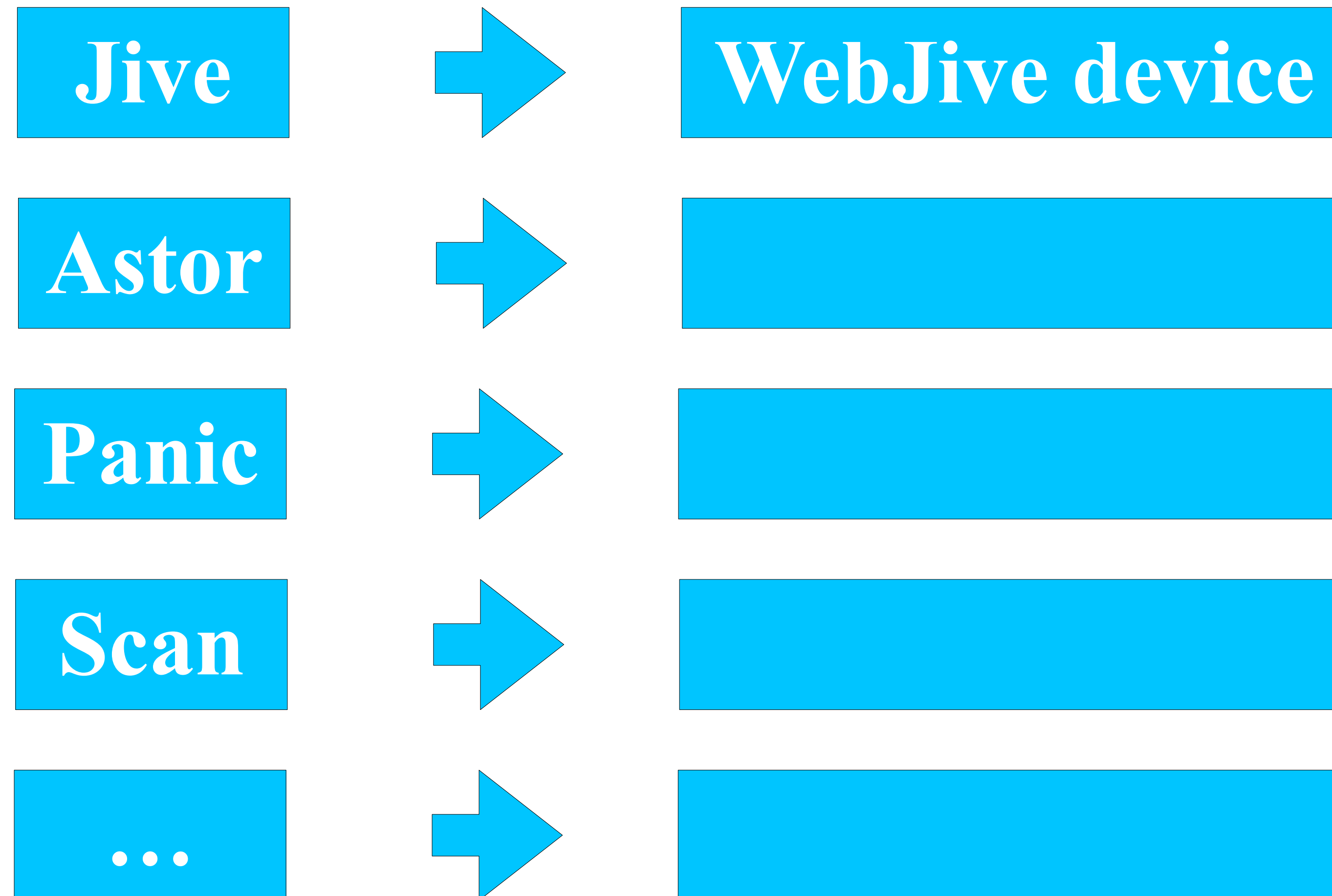


Why React.js

- Components can be easily reused
- Easy debugging
- Search Engine Optimization friendly
- Easy to create UI test case
- Can display big amount of component
- Virtual DOM
- Library not a framework



Vision: Ubiquitous Web



Things to consider



BE NICE TO ME
♥
I MIGHT BE YOUR
WEB DEVELOPER
—
• SOMEDAY •

Performance -> Enough for UI

- rendering on back end if necessary

Deployment more complex -> Done once!

Web Skills -> Web Developer to help



By Harvey Jones
August 12, 2019

WebJive workshop - What's Next?

