The background of the slide is a composite image. The top portion shows a clear blue sky with several bright green leaves hanging down from the top edge. The bottom portion shows a lush green field with a path of yellow flowers leading towards the horizon.

Adventures in Elm

Events, Reproducibility, and Kindness

Philly ETE, 12 April 2016

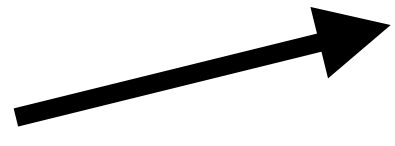


@jessitron

stripe



Richard
Feldman



Deech



@rtfeldman

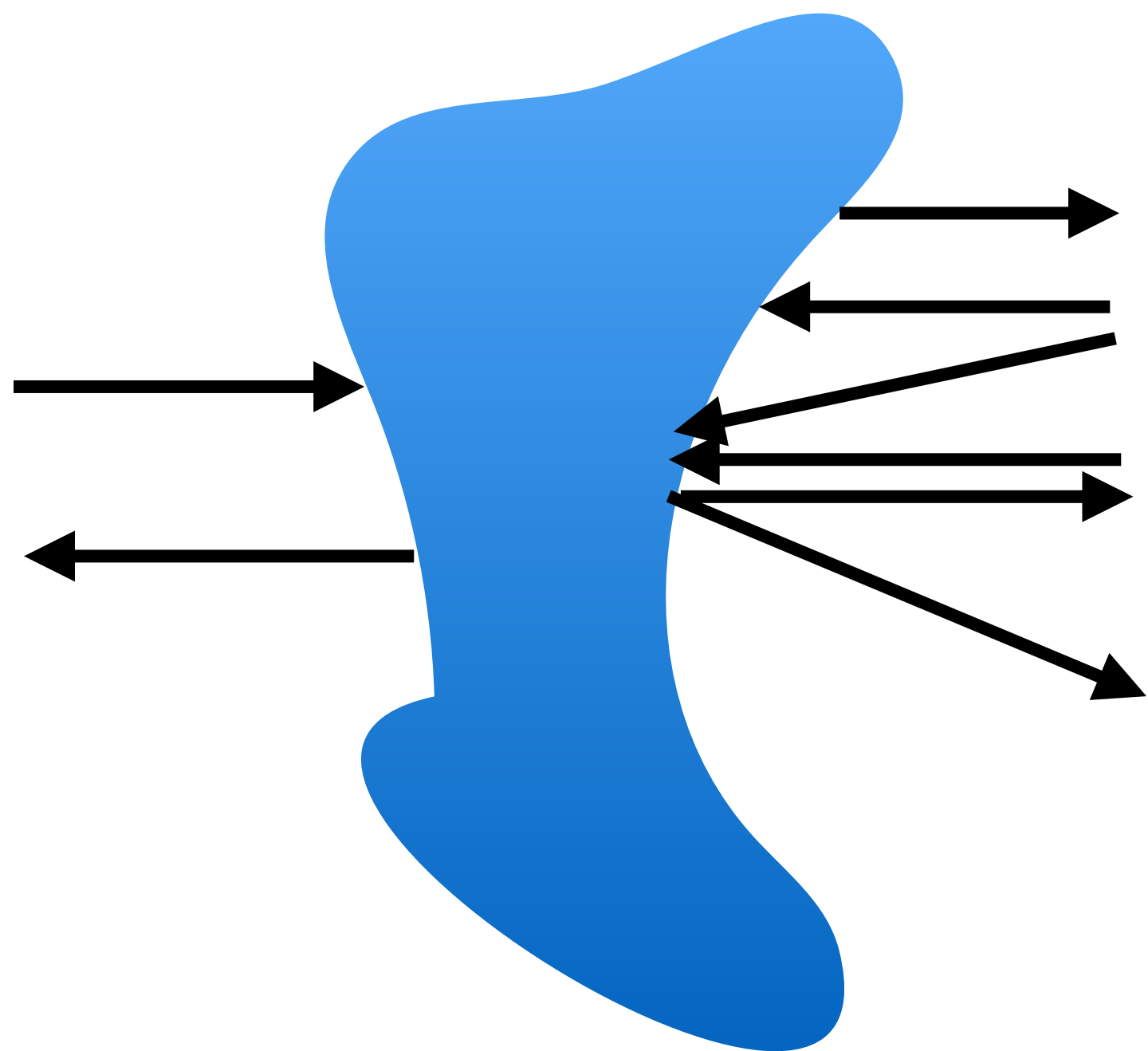
nored**ink**

Data
In



Data
Out

Server



UI





Front-end
pleasure?



noredink

Evan Czaplicki





mouse
pointer



Make
Decisions



Gather
Data



Take
Action

mutation, side effects, null

runtime exceptions

No

Monad[_]

0.x.x

Yes

virtual DOM

declarative

compiler errors

typed

boilerplate

explicit

evolution

kind

mouse
pointer



Make
Decisions



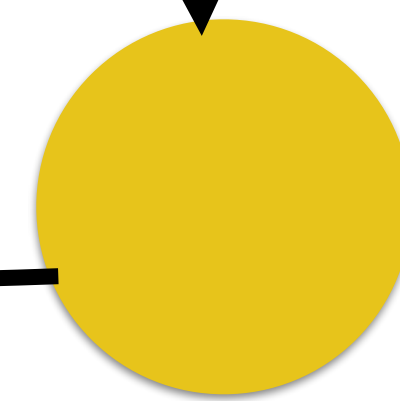
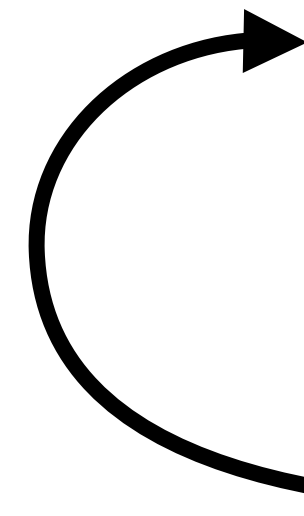
everything
that has
ever
happened



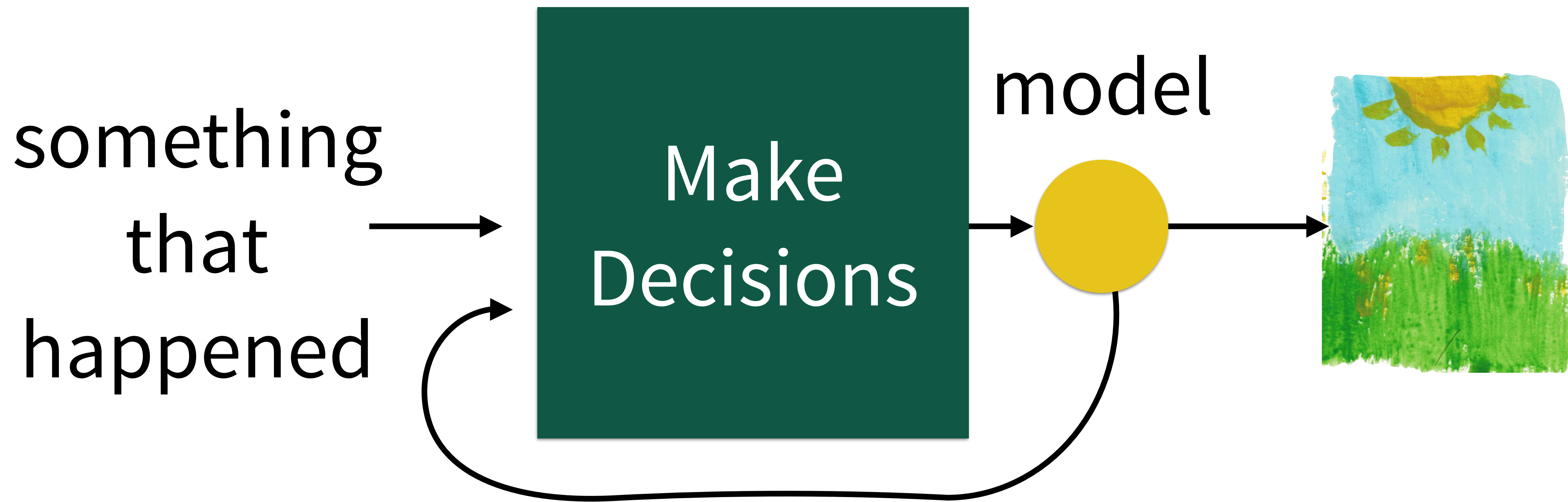
Make
Decisions

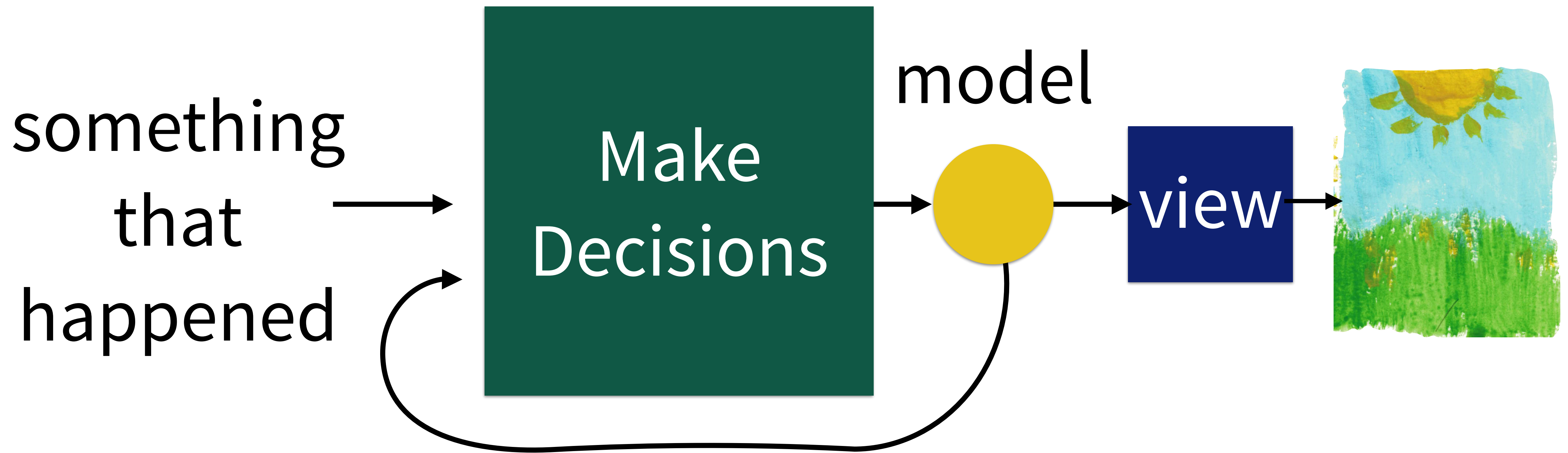


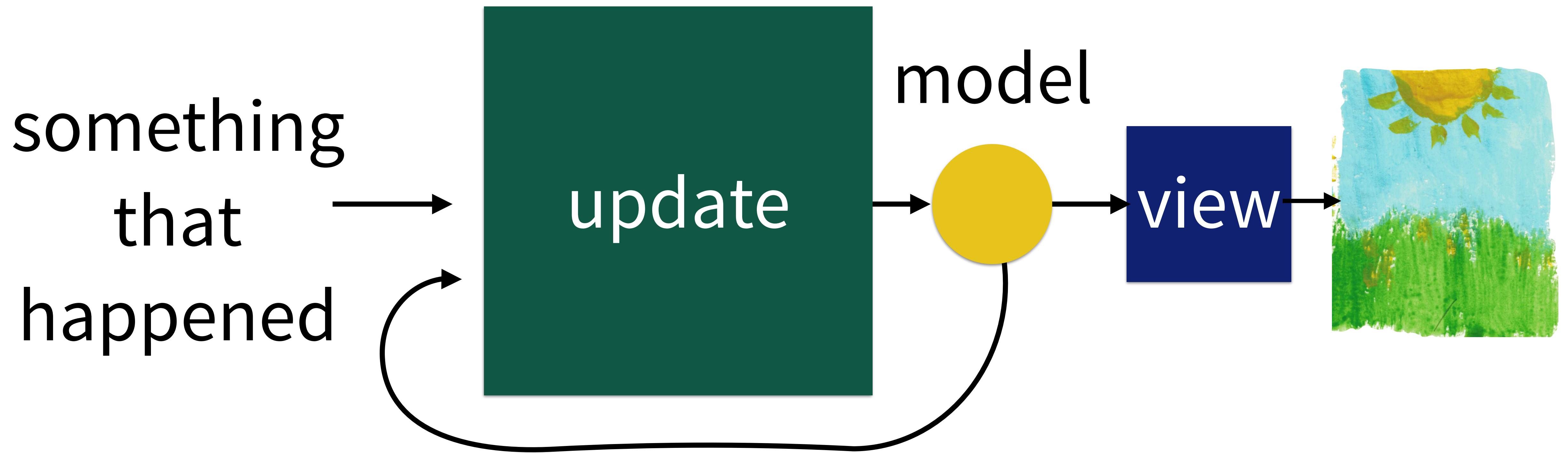
something
that
happened

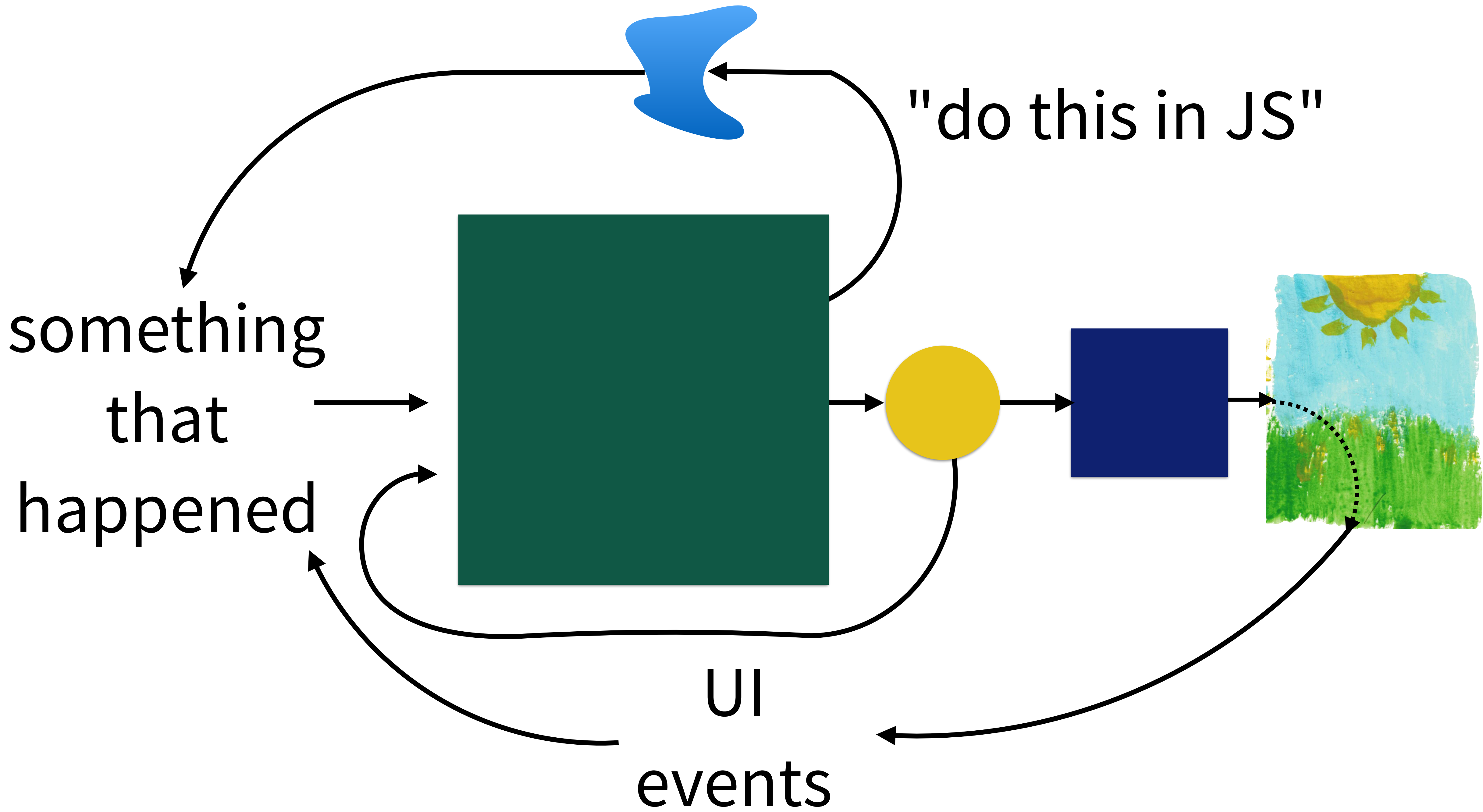


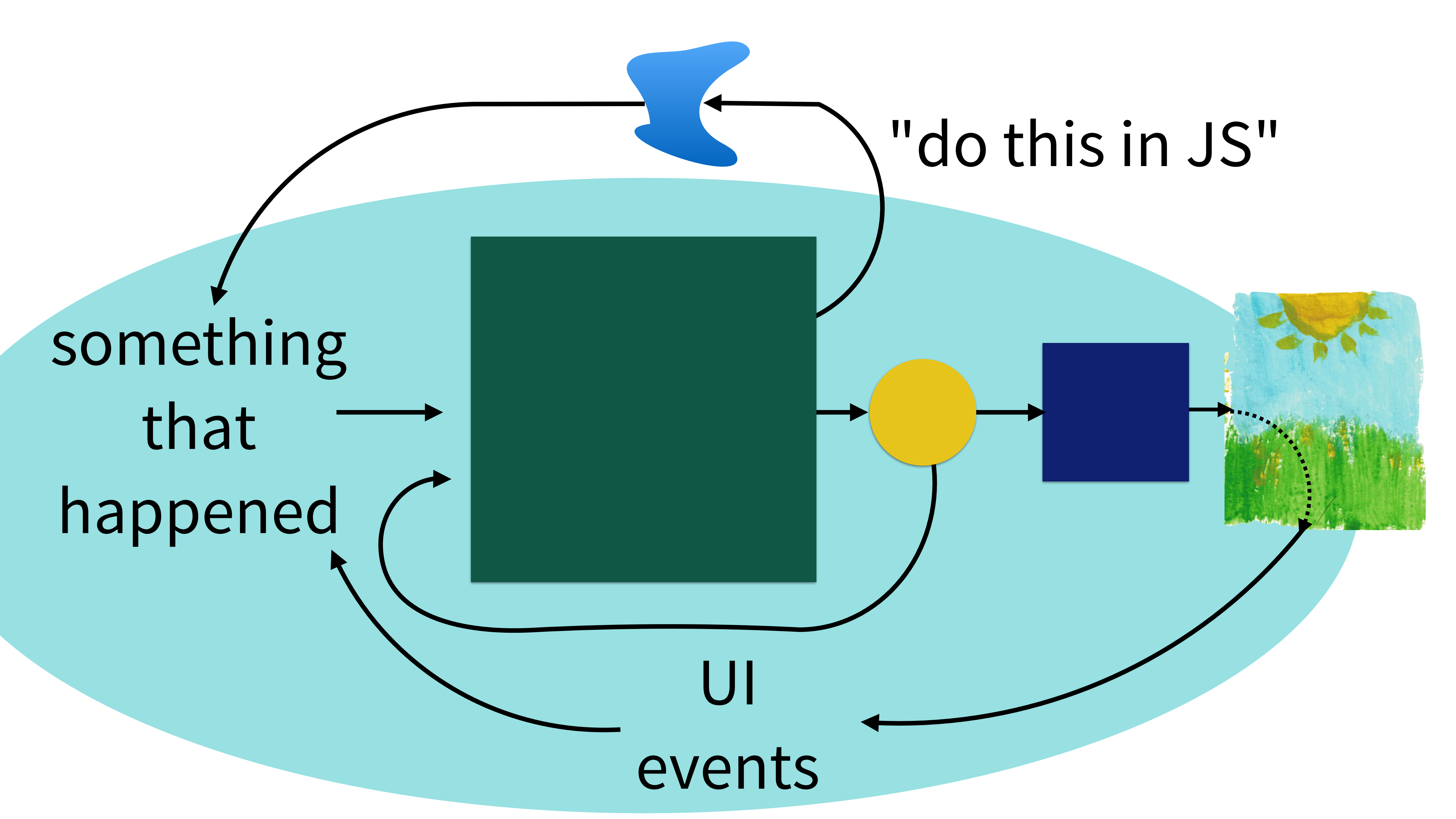
what I need to remember
about what has happened

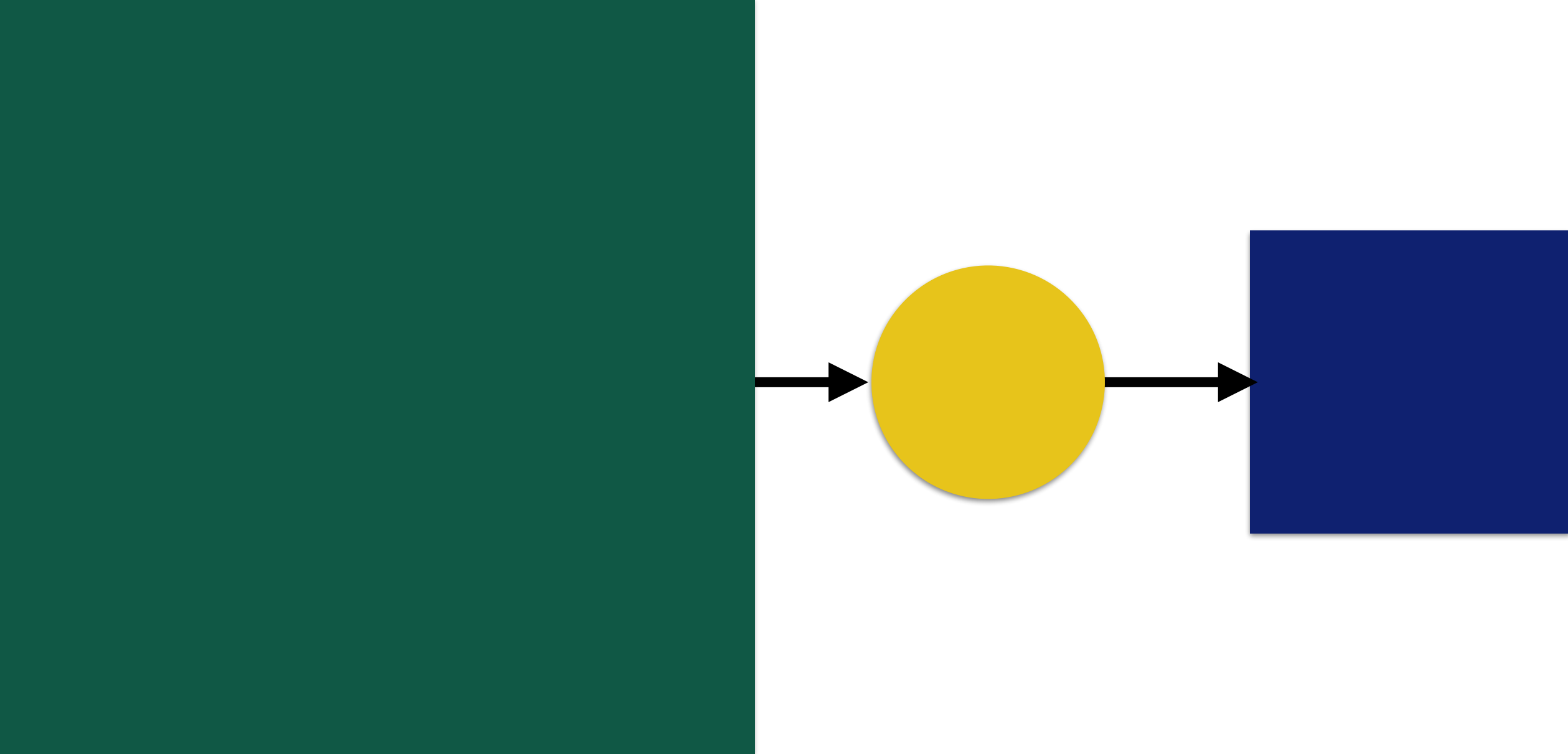


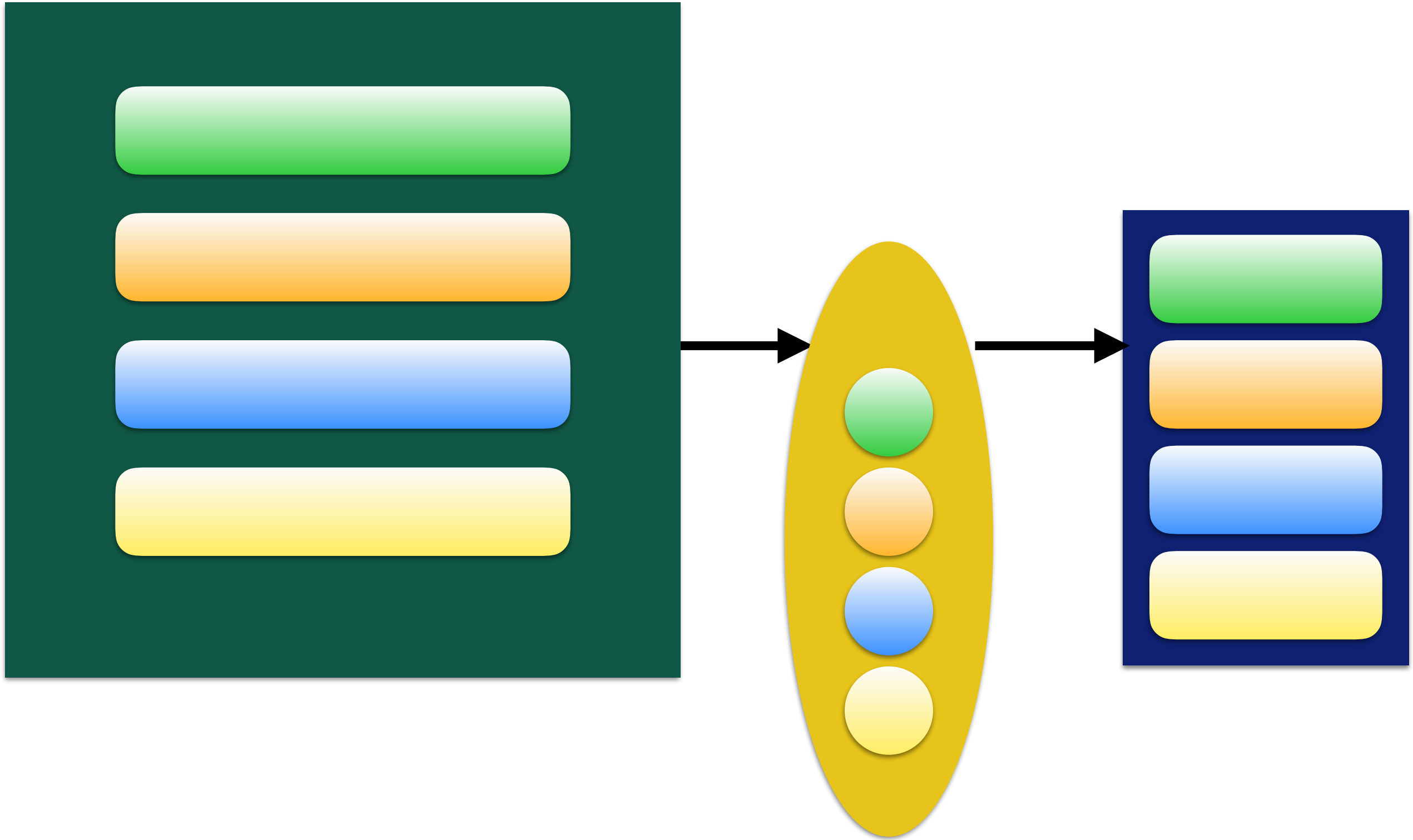


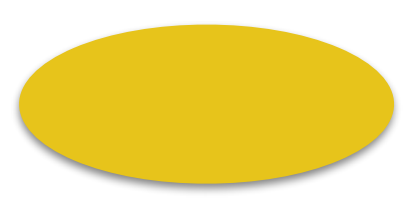
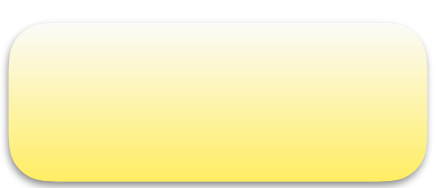


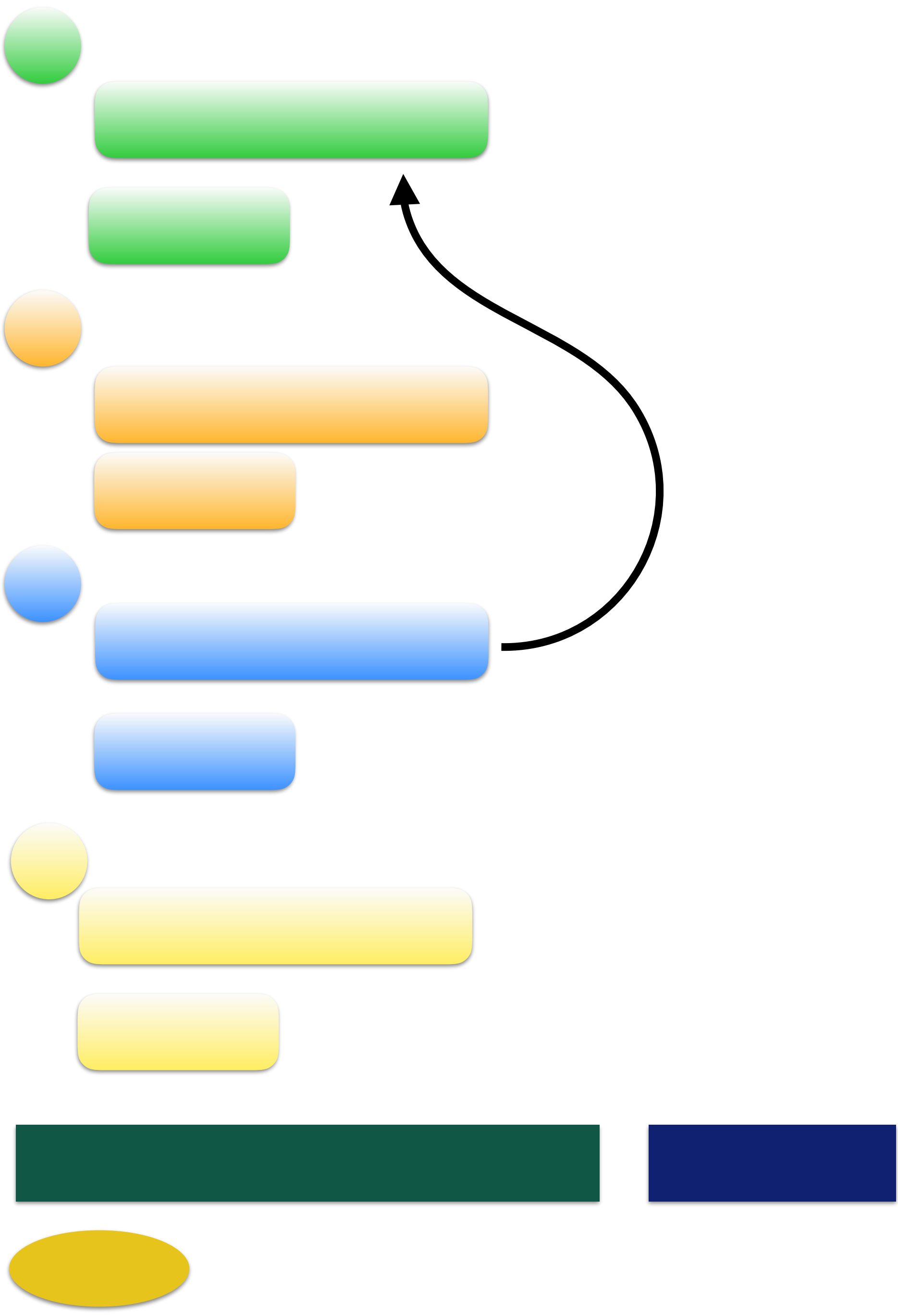


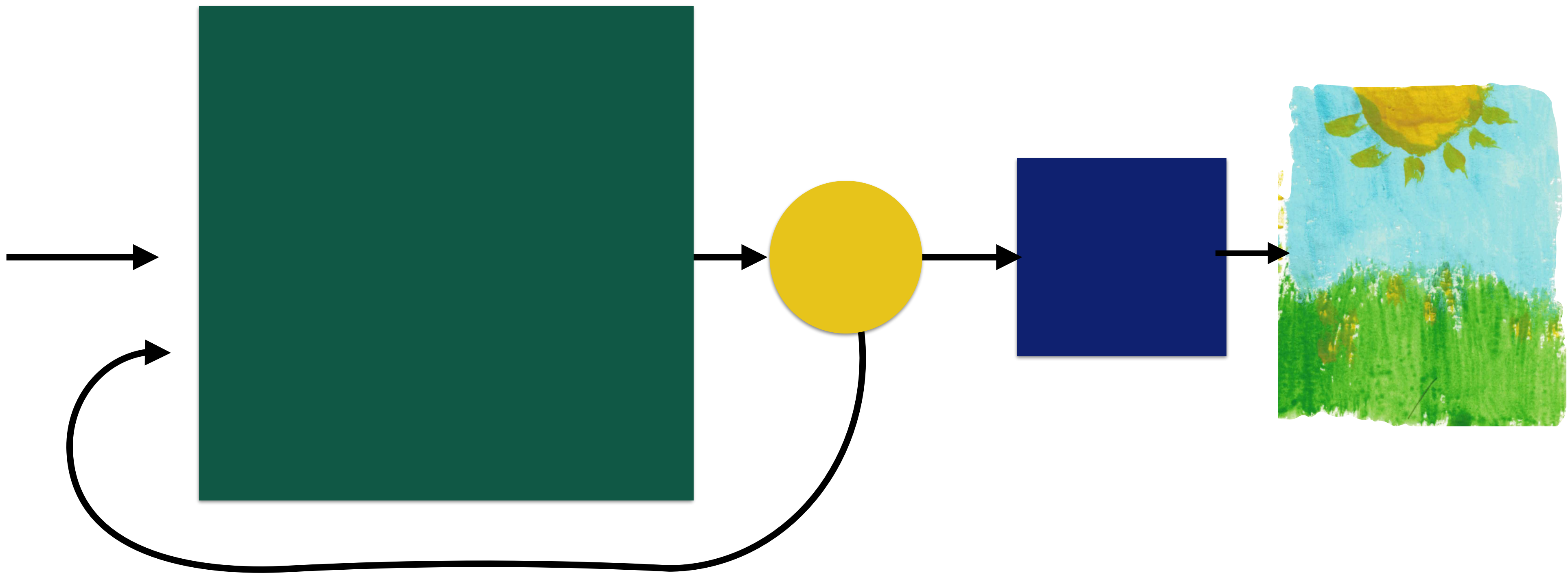












small components

encapsulation

libraries over frameworks

now
Natural
magic



now
Natural
magic





later

Structured

explicit

now

Natural

magic

later

Structured

explicit

Do Not

write polystructured programs

expect Elm to be Haskell

use Elm everywhere



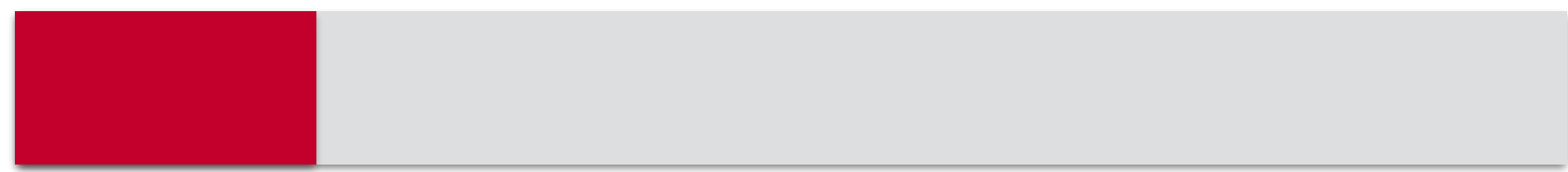
compiler



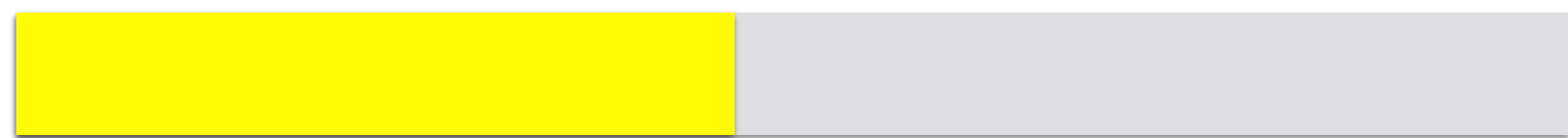
package manager



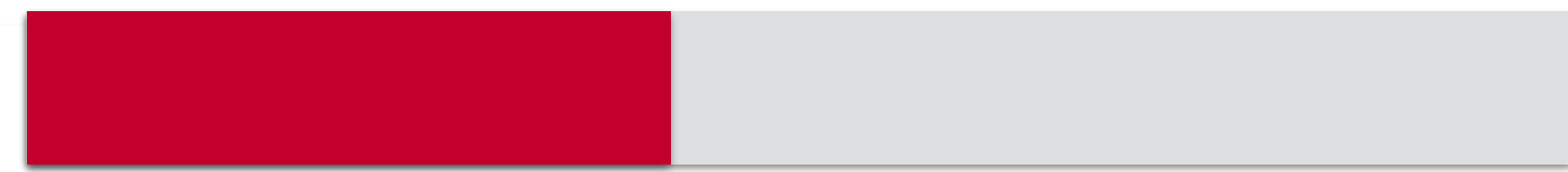
test tools



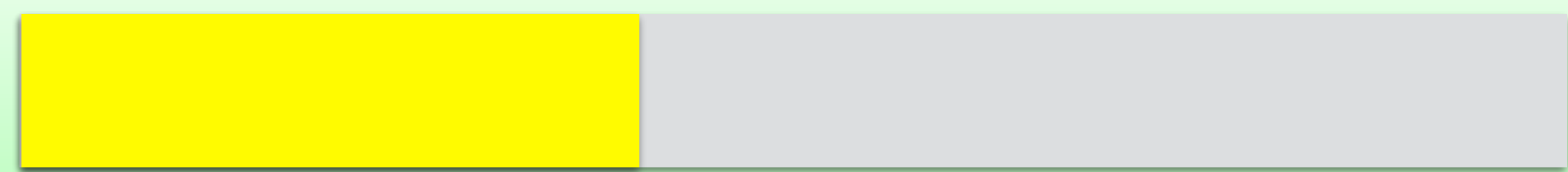
build tools



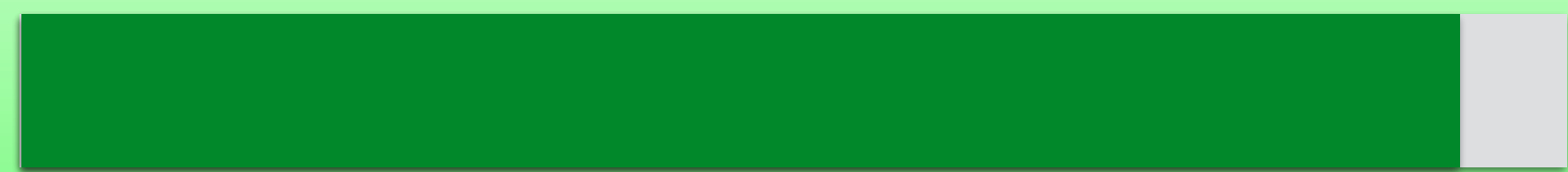
editors



libraries



learning



community

Do

experiment with Elm

think in event loops

raise your expectations of language systems





@jessitron

stripe

elm-lang.org

github.com/satellite-of-love/landscape

RAFT: <https://raft.github.io/>

Naiad: <http://research.microsoft.com/apps/pubs/?id=201100>

Bloom and Edelweiss: <http://db.cs.berkeley.edu/papers/vldb14-edelweiss.pdf>

<http://javkiller.deviantart.com/art/Library-colors-243633627>

<http://strachattack.deviantart.com/art/Queen-Chrysalis-493886766>

<http://ohemo.deviantart.com/art/Evolved-Chrysalis-493427839>

<http://mlp.wikia.com/wiki/Canterlot/Gallery>