

Building a Visual Editor for Wikipedia

Trevor Parscal and Roan Kattouw





Trevor Parscal

Lead Designer and Engineer
Wikimedia



Roan Kattouw

Data Model Engineer
Wikimedia



Rob Moen

User Interface Engineer
Wikimedia



Inez Korczynski

Edit Surface Engineer
Wikia



Christian Williams

Edit Surface Engineer
Wikia



James Forrester

Product Analyst
Wikimedia



The People



Parsoid Team



Gabriel Wicke
Lead Parser Engineer
Wikimedia



Subbu Sastry
Parser Engineer
Wikimedia



The People



W Friday Night Dinner - Wikipe x

en.wikipedia.org/wiki/Friday_Night_Dinner

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Friday Night Dinner

From Wikipedia, the free encyclopedia

Friday Night Dinner is a [British television sitcom](#) written by [Robert Popper](#) and starring [Tamsin Greig](#), [Paul Ritter](#), [Simon Bird](#), [Tom Rosenthal](#) and [Mark Heap](#).^[1] The comedy is focused around the regular dinner experience of an [English Jewish](#) family (the Goodmans) on each [Friday night](#). The first series aired from February 2011 on [Channel 4](#). The series began airing in the U.S. on [BBC America](#) as of 30 July 2011.^[2] A second series has been commissioned by Channel 4.^[3] Filming for series 2 began on 12 March 2012, and the series will air autumn 2012.^[4]

Friday Night Dinner



Genre	Comedy
Format	Sitcom
Created by	Robert Popper
Written by	Robert Popper
Directed by	Steve Bendelack

Contents [hide]

- 1 Cast and characters
- 2 Episode list
 - 2.1 Series 1 (2011)
 - 2.2 Series 2 (2012)
- 3 American remake
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Print/export







W Editing Friday Night Dinner - x

en.wikipedia.org/w/index.php?title=Friday_Night_Dinner&action=edit

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Editing Friday Night Dinner

B *I*     [Advanced](#) [Special characters](#) [Help](#) [Cite](#)

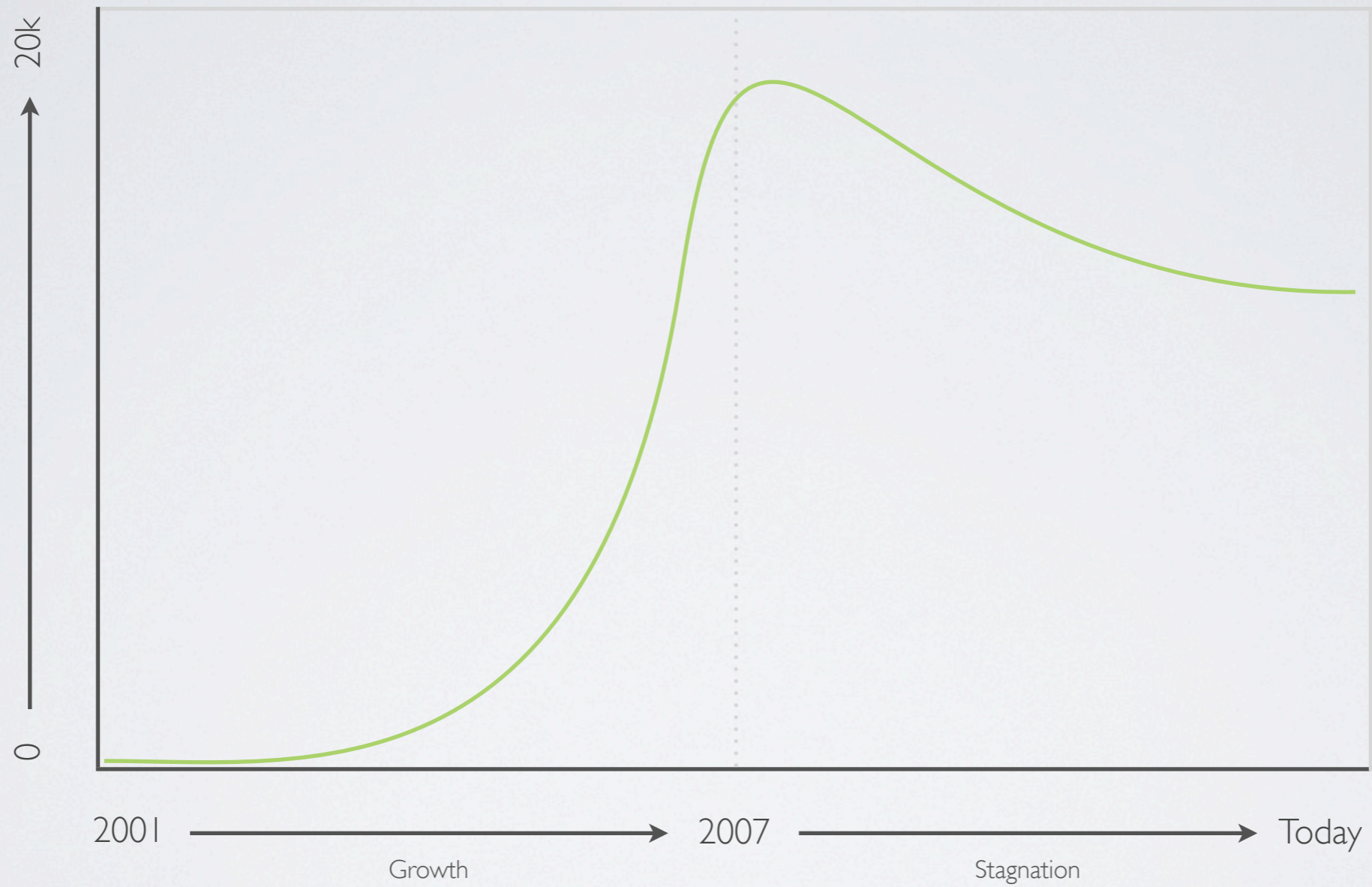
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| format = [[Sitcom]]
| creator = [[Robert Popper]]
| writer = Robert Popper
| director = [[Steve Bendelack]]
| starring = [[Tamsin Greig]]<br />[[Paul Ritter (actor)|Paul Ritter]]<br />[[Simon Bird]]<br />[[Tom Rosenthal]]<br />[[Mark Heap]]
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| language = [[English language|English]]
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| num_episodes = 6
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| producer = Robert Popper
| location =
| runtime = 25 minutes approx
| company = [[Robert Popper|Popper Pictures]]<br />[[Big Talk Productions]]
| composer = "[[Meddle (song)|Meddle]]" by [[Little Boots]]<br />"Est I Here" by [[Casiokids]]

```



Active Editors



The Complexity Problem



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Save

Friday Night Dinner


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Infobox television ... y Night Dinner



Genre	Comedy
Format	Sitcom
Created by	Robert Popper
Written by	Robert Popper



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en.wikipedia.org/wiki/Friday_Night_Dinner

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Friday Night

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Testing testing 123...

Friday Night Dinner is written by [Robert Poppe](#), [Paul Ritter](#), [Simon Bird](#), and [Heap](#).^[1] The comedy is a dinner experience of an (the Goodmans) on each Friday night, first aired from February 2011. The first series began airing in the U.S. on July 11, 2011.^[2] A second series began airing by Channel 4.^[3] Filming began in March 2012, and the series

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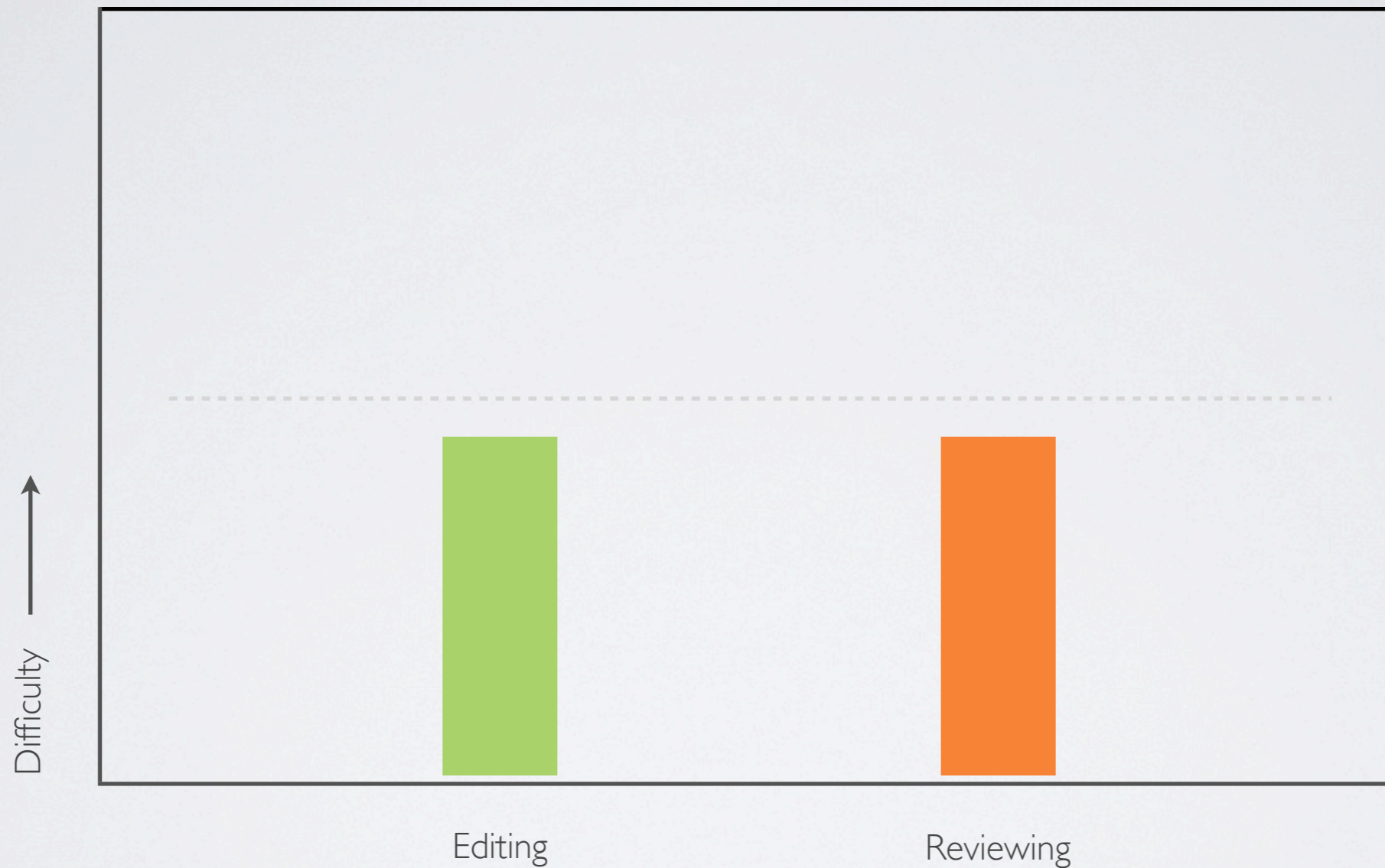
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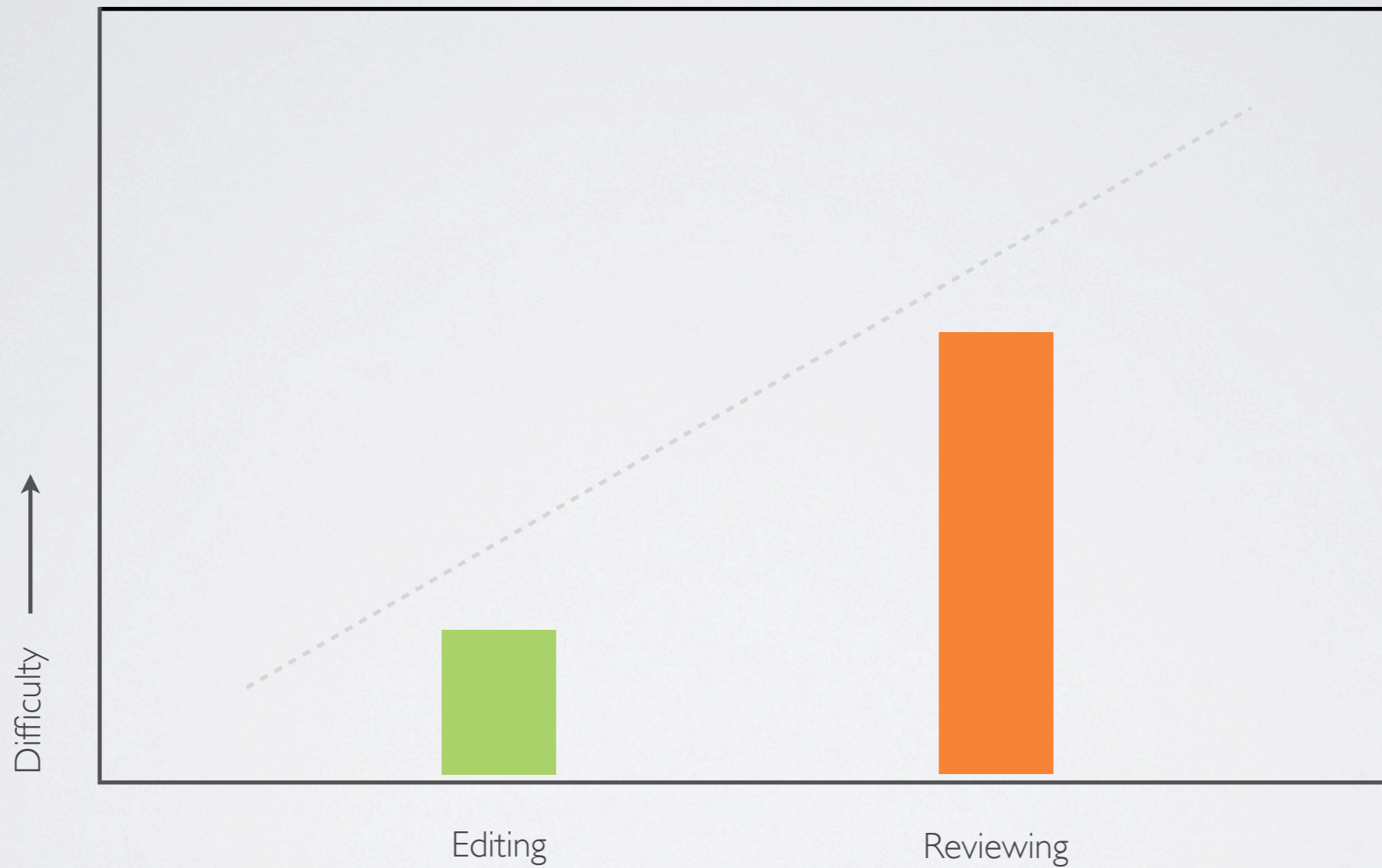
Balancing the ecosystem



The Review Problem



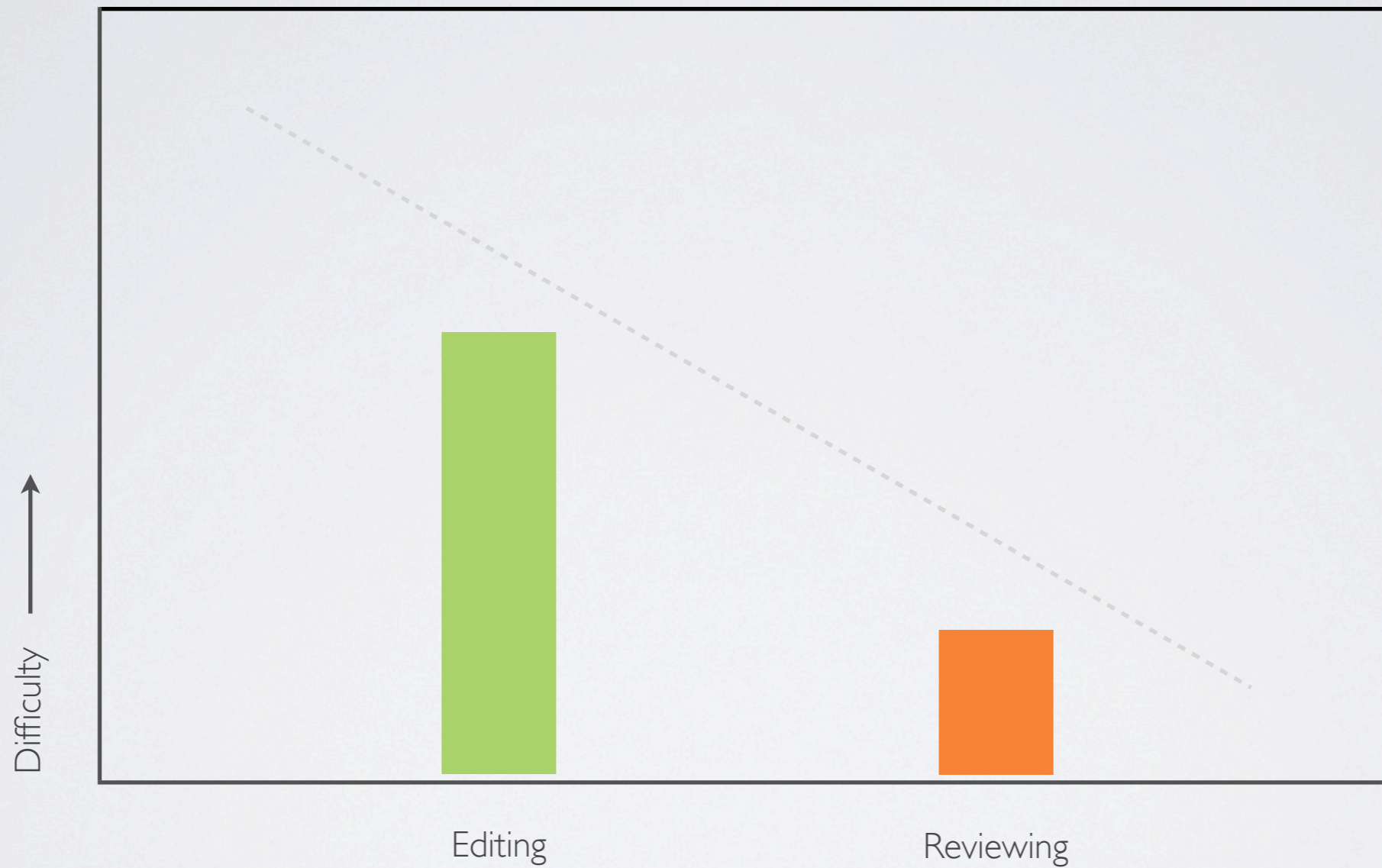
Balancing the ecosystem



The Review Problem



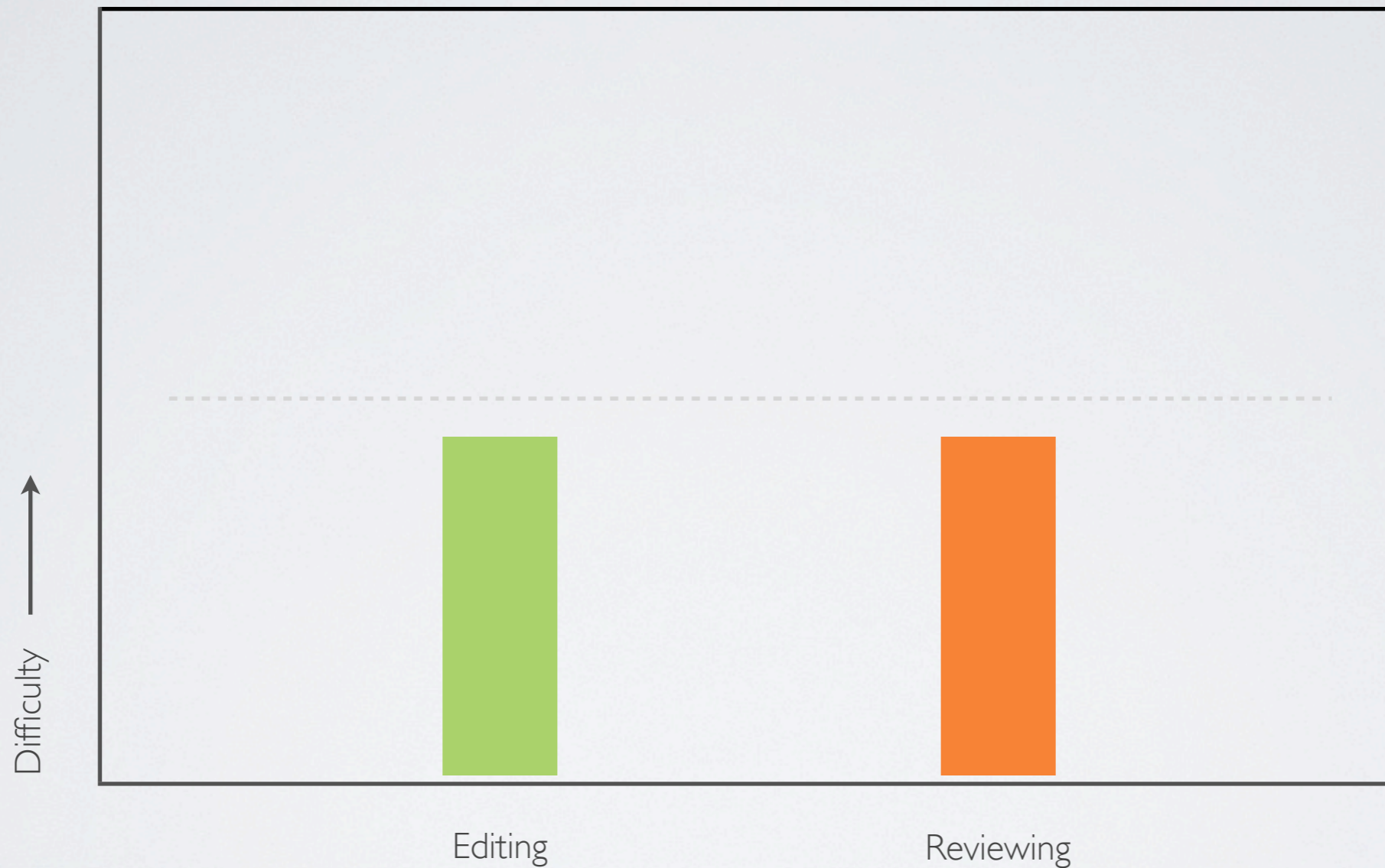
Balancing the ecosystem



The Review Problem



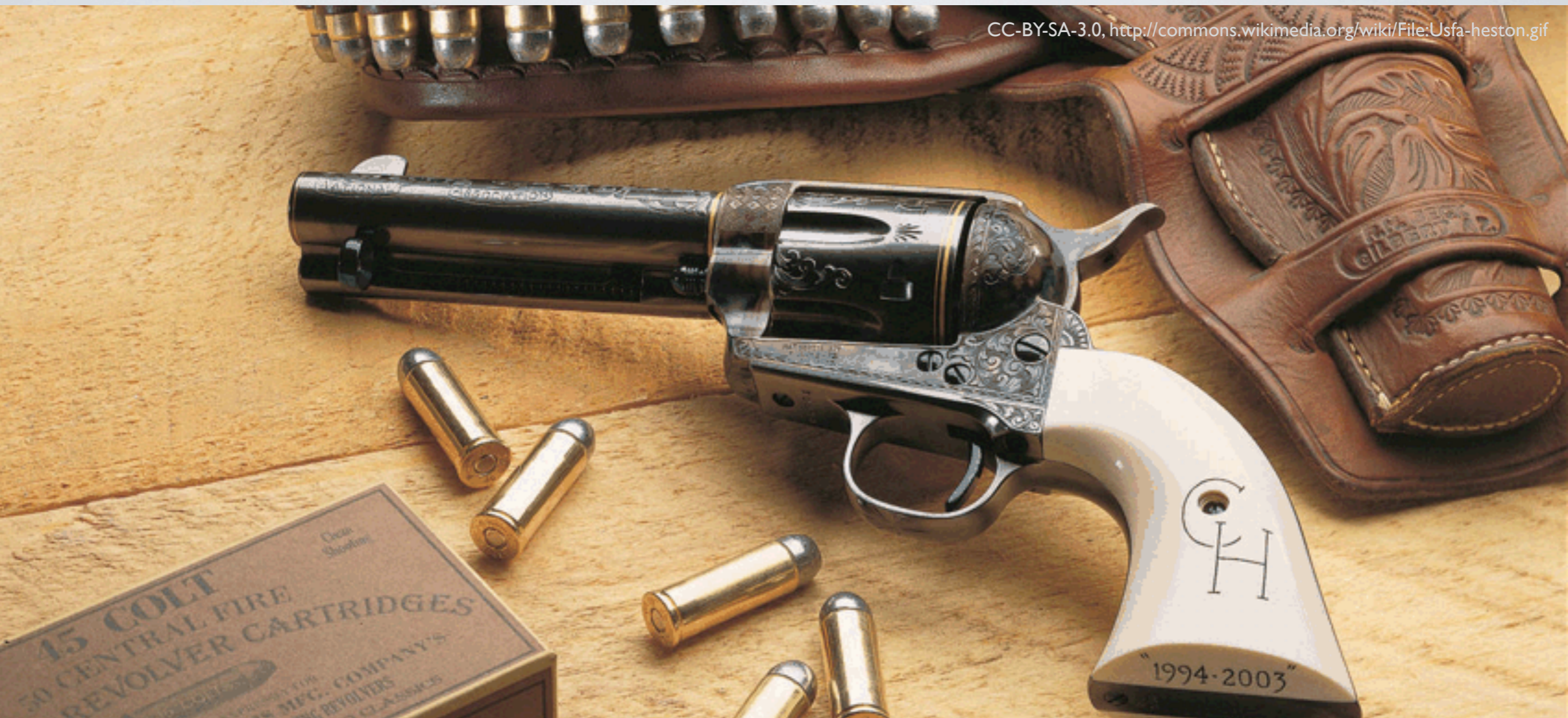
Balancing the ecosystem



The Review Problem



Wikitext enthusiasts

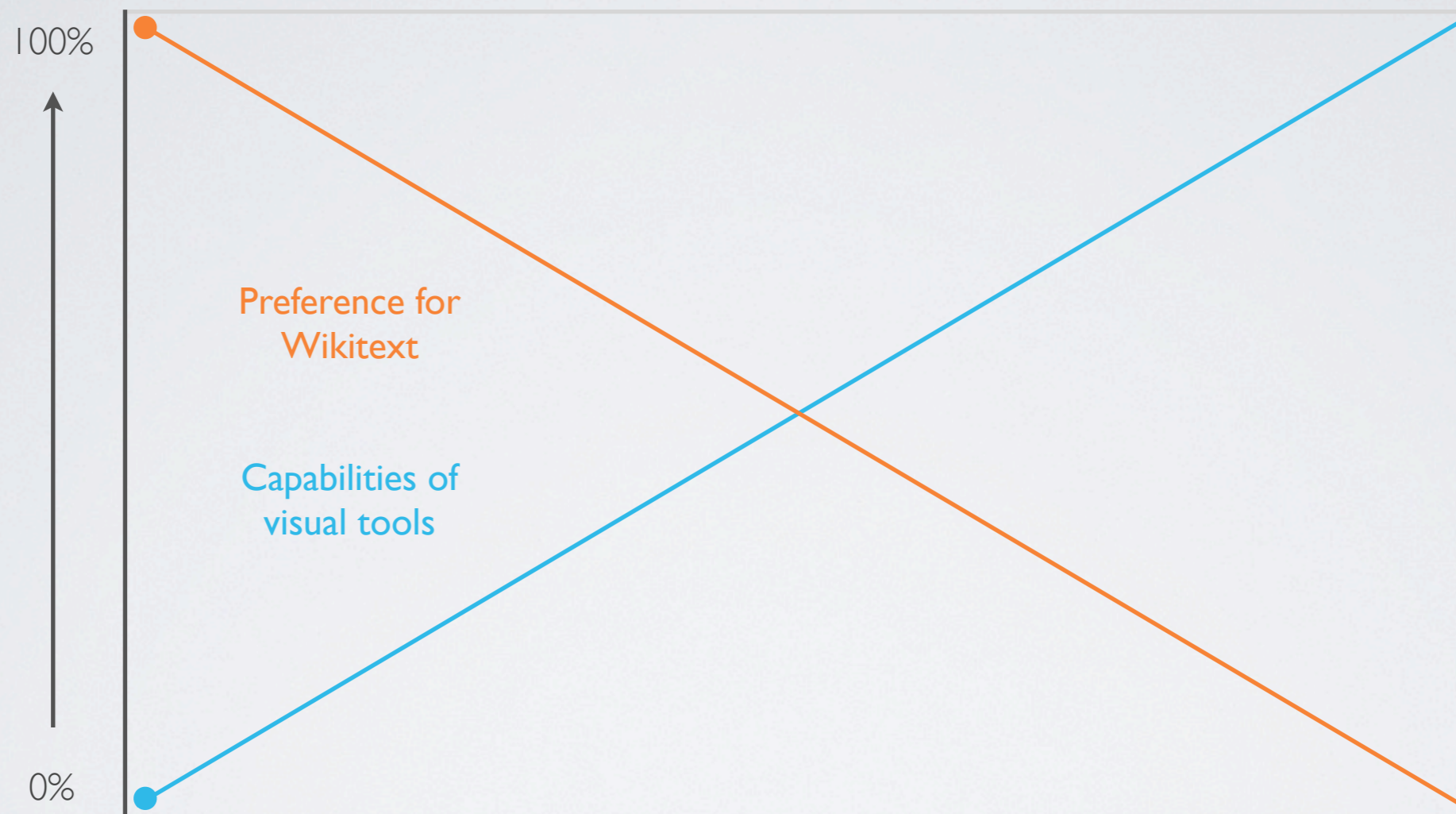


The Expert Problem



Open Source Bridge 2012

Exit strategy



The Expert Problem



To what extent?



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The Expert Problem



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To what extent?



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The Expert Problem



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Here to stay

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2001 -

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The Expert Problem



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Scale and speed



GFDL, http://commons.wikimedia.org/wiki/File:I-80_Eastshore_Fwy.jpg

The Collision Problem



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Scale and speed



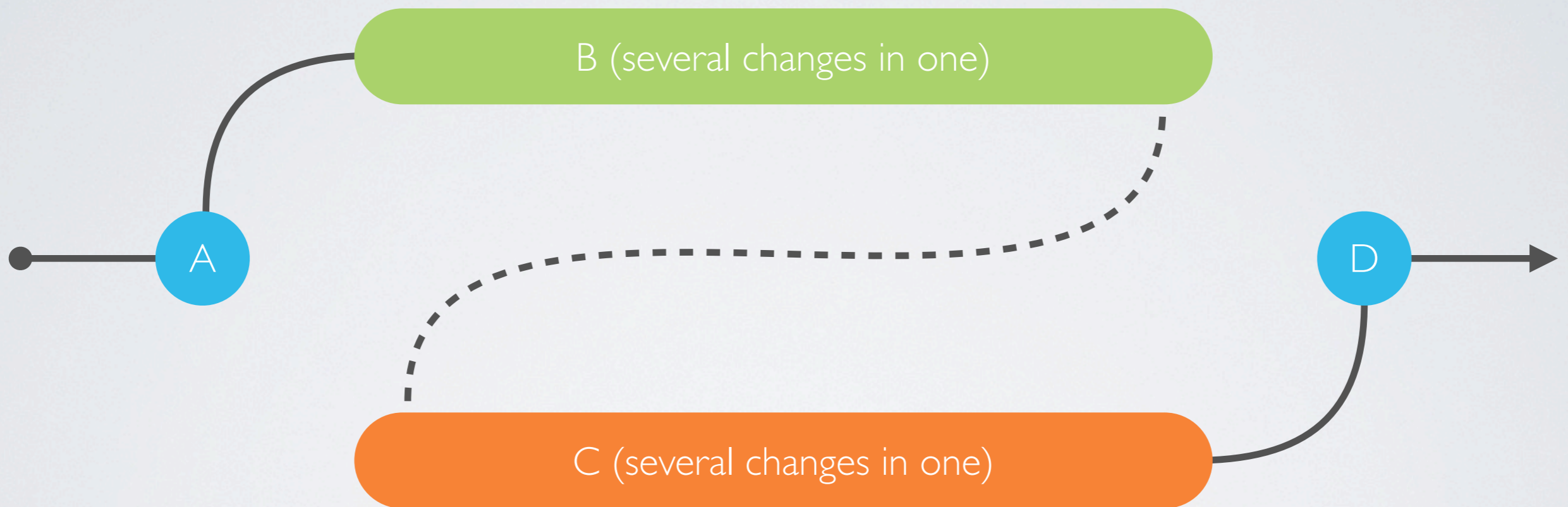
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The Collision Problem

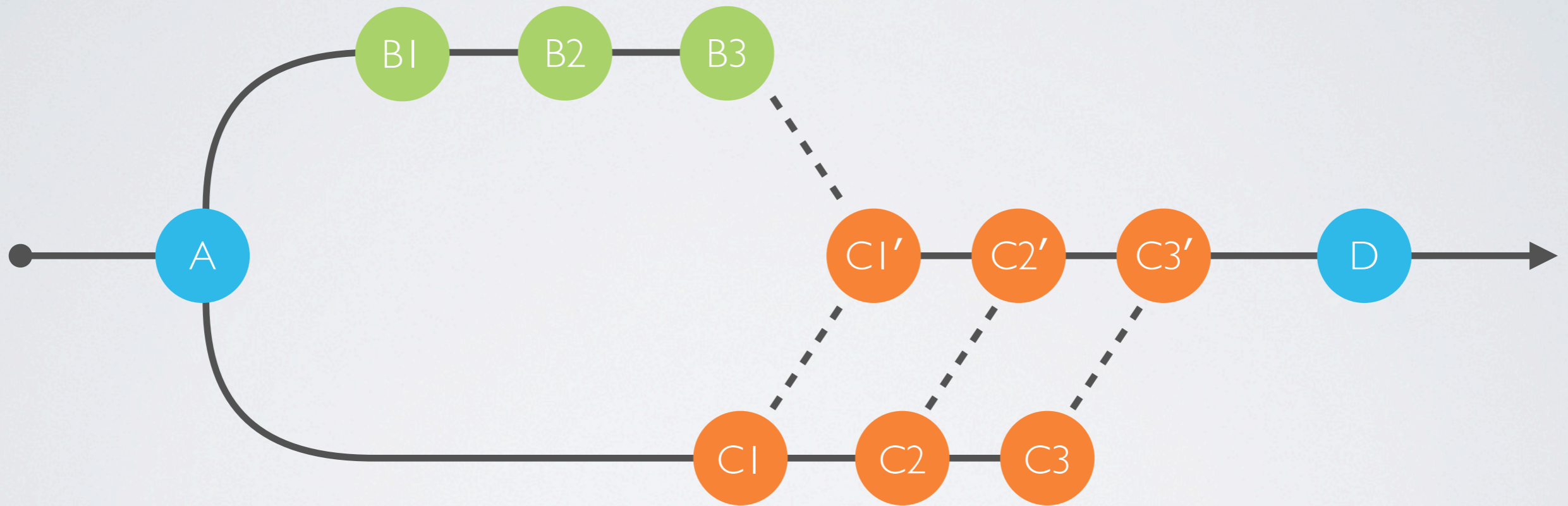


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Merge often fails



Rebase often works



The Collision Problem



Missing Pieces



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The Focus



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ve.dm

==A'' 'b'' 'c==



ve.dm



The Data Model



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The Data Model



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ve.dm



The Data Model



ve.dm

H D H P H e l l o , w o r l d ! P P B o l d , l t a l i c P



The Data Model



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ve.dm

H D H P H e l l o w o r l d ! P P B o l d , l t a l i c P



The Data Model



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H D H P H e l l o w o r t a l i c P



The Data Model



Open Source Bridge 2012

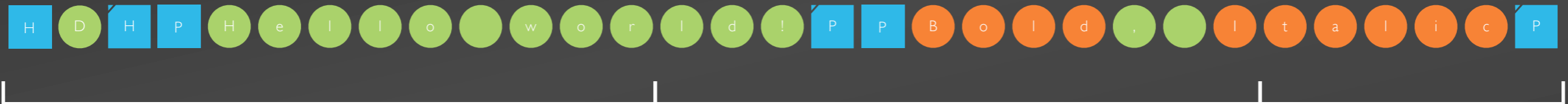
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The Data Model



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retain 13

replace [selection] with []

retain 6

replace [] with [selection]



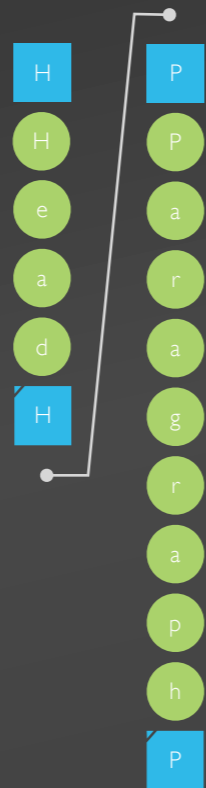
The Data Model



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Linear Model



User Interface

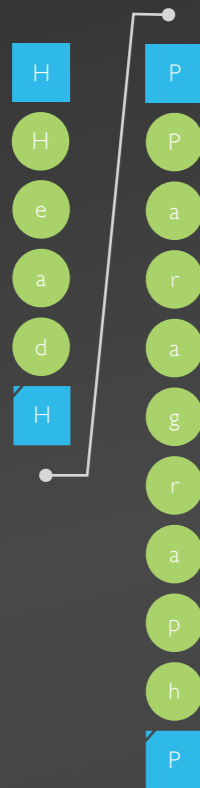


The Node Tree

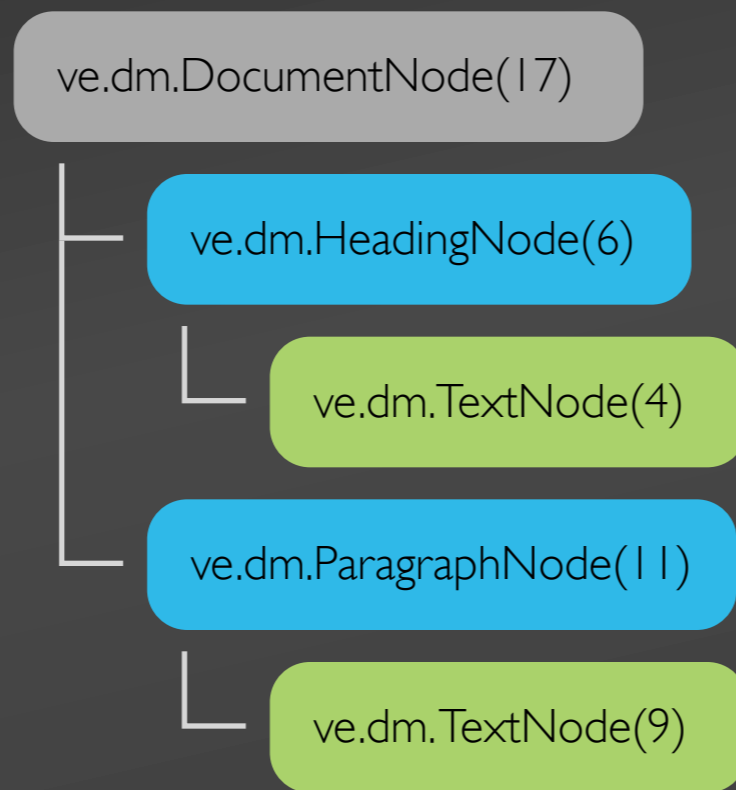


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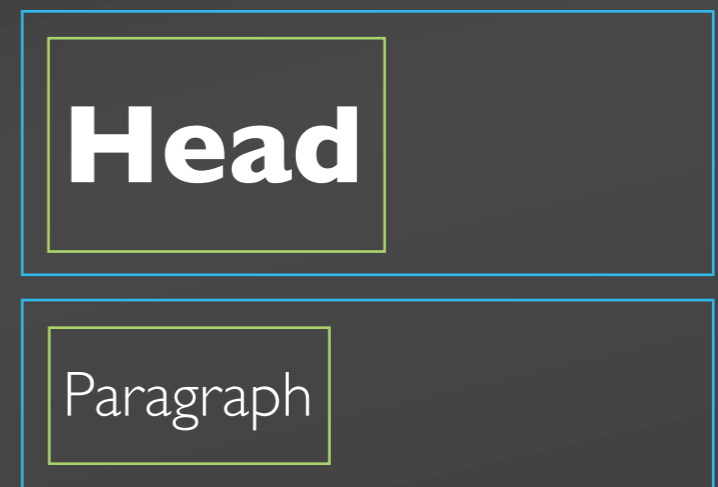
Linear Model



Node Tree

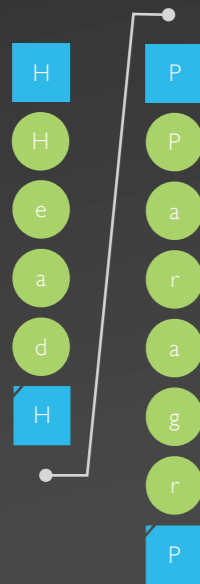


User Interface

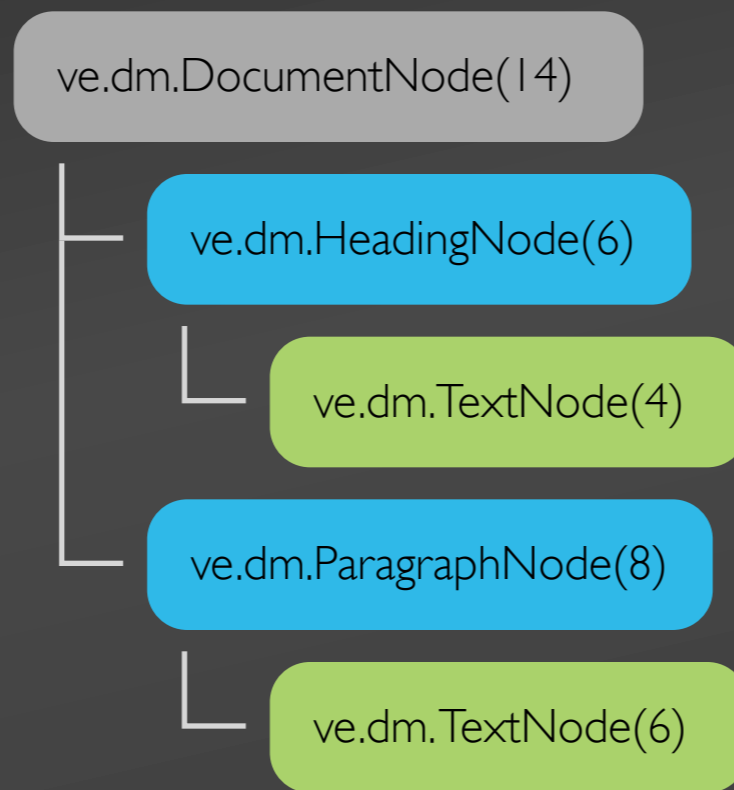


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Linear Model



Node Tree

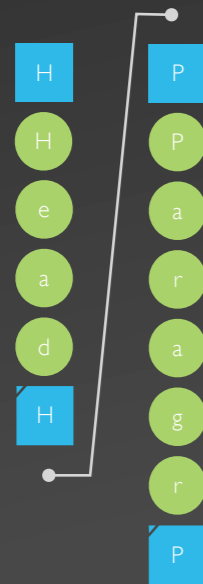


User Interface

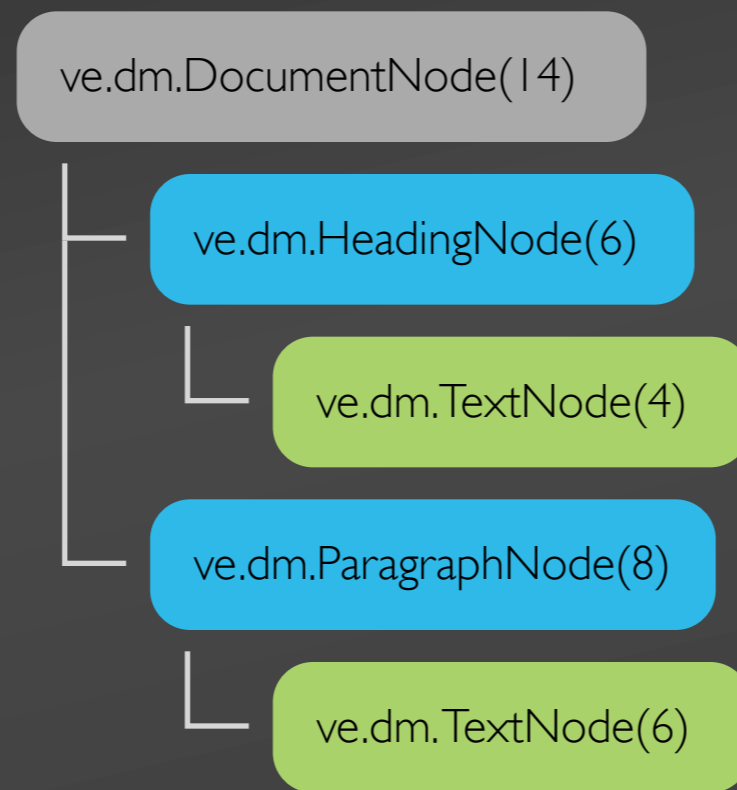


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Linear Model



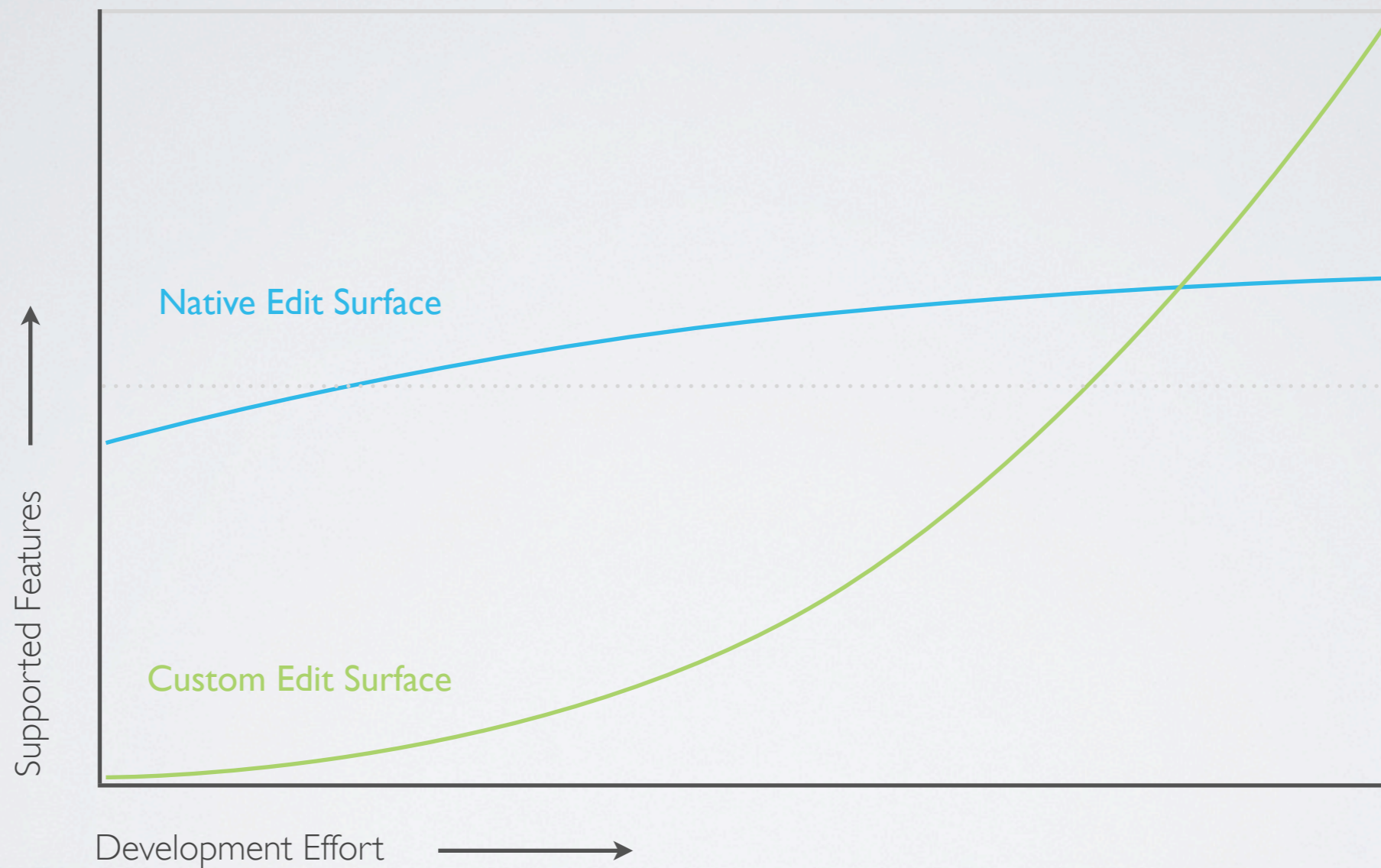
Node Tree



User Interface



Content editable is poison



A Theory



ve.es

A text-flow algorithm can be a tricky thing to write. Using a div for each line requires measuring the line each time a word is added and breaking the line when it no longer fits. It's also gotta be pretty darn fast.

Some Progress



ve.es

```
A text-flow algorithm can be a tricky thing to write.  
Using a div for each line requires measuring the line  
each time a word is added and breaking the line when it  
no longer fits. It's also gotta be pretty darn fast.
```

Some Progress



ve.es

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Some Progress



ve.es

A text-flow algorithm can be a tricky thing to write. Using a div for each line requires measuring the line each time a word is added and breaking the line when it no longer fits. It's also gotta be pretty darn fast.



Some Progress



ve.es

A text-flow algorithm can be a tricky thing to write. Using a div for each line requires measuring the line each time a word is added and breaking the line when it no longer fits. It's also gotta be pretty darn fast.



Hi.

Some Progress



ve.es

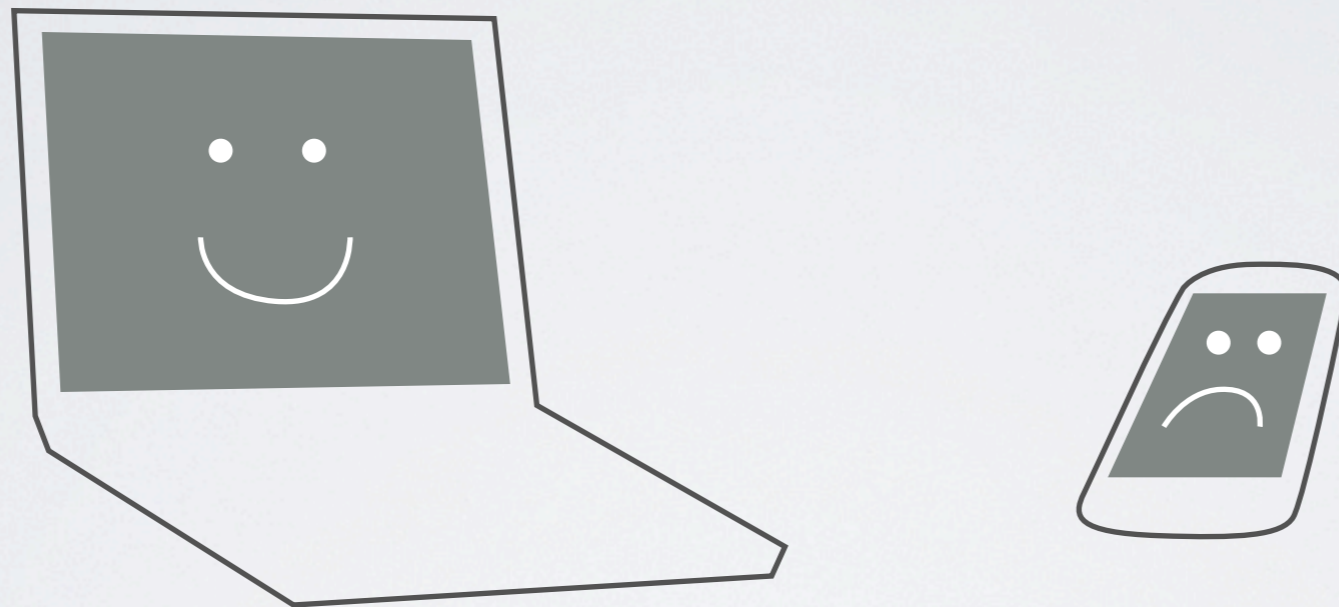
A	text-flow	algorithm	can		
be	a	tricky	thing		to
write.	Hi.	It's	also		gotta
be	pretty	darn	fast.		

|

Some Progress



ve.es

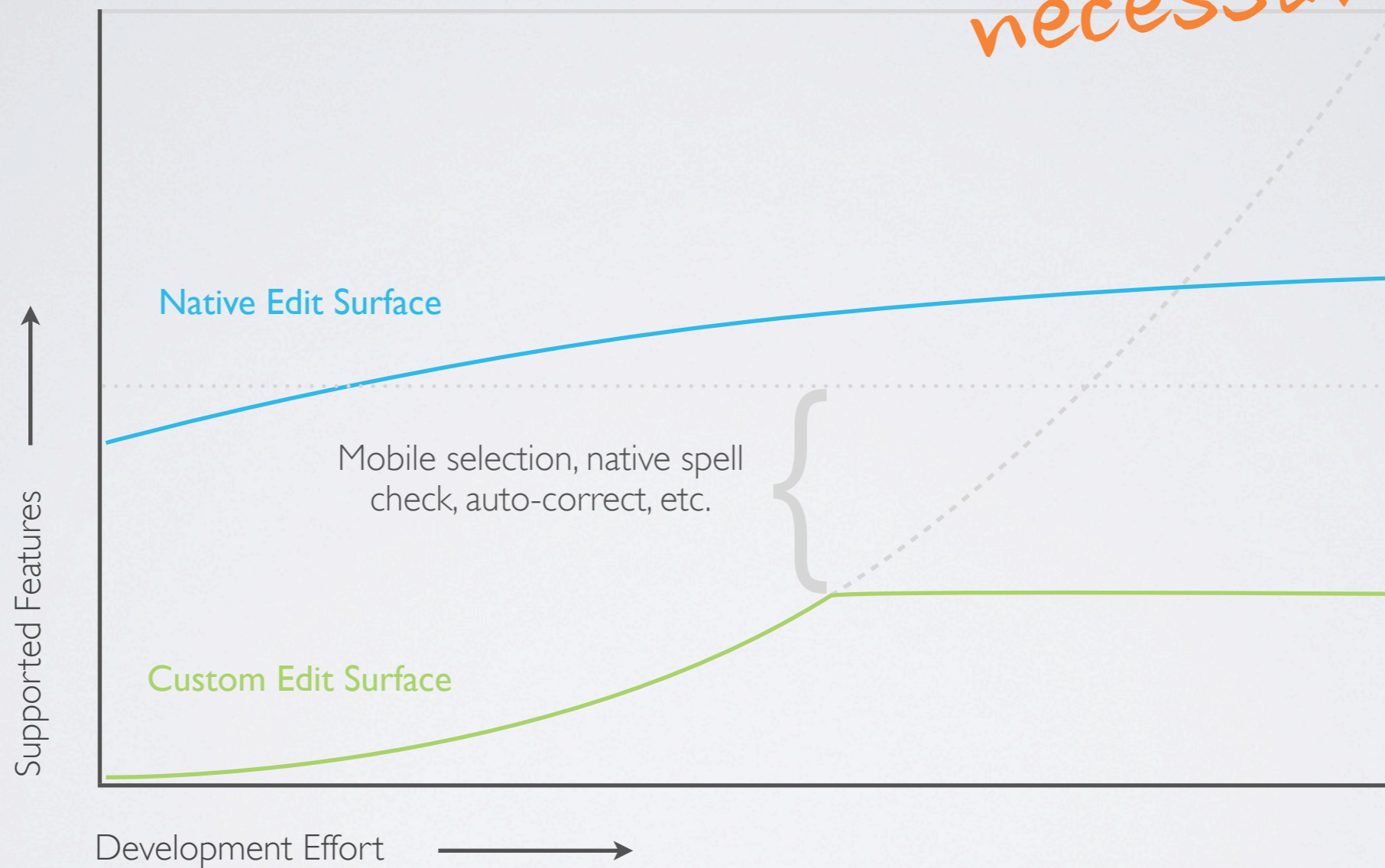


Some Progress



Content editable is ~~poison~~

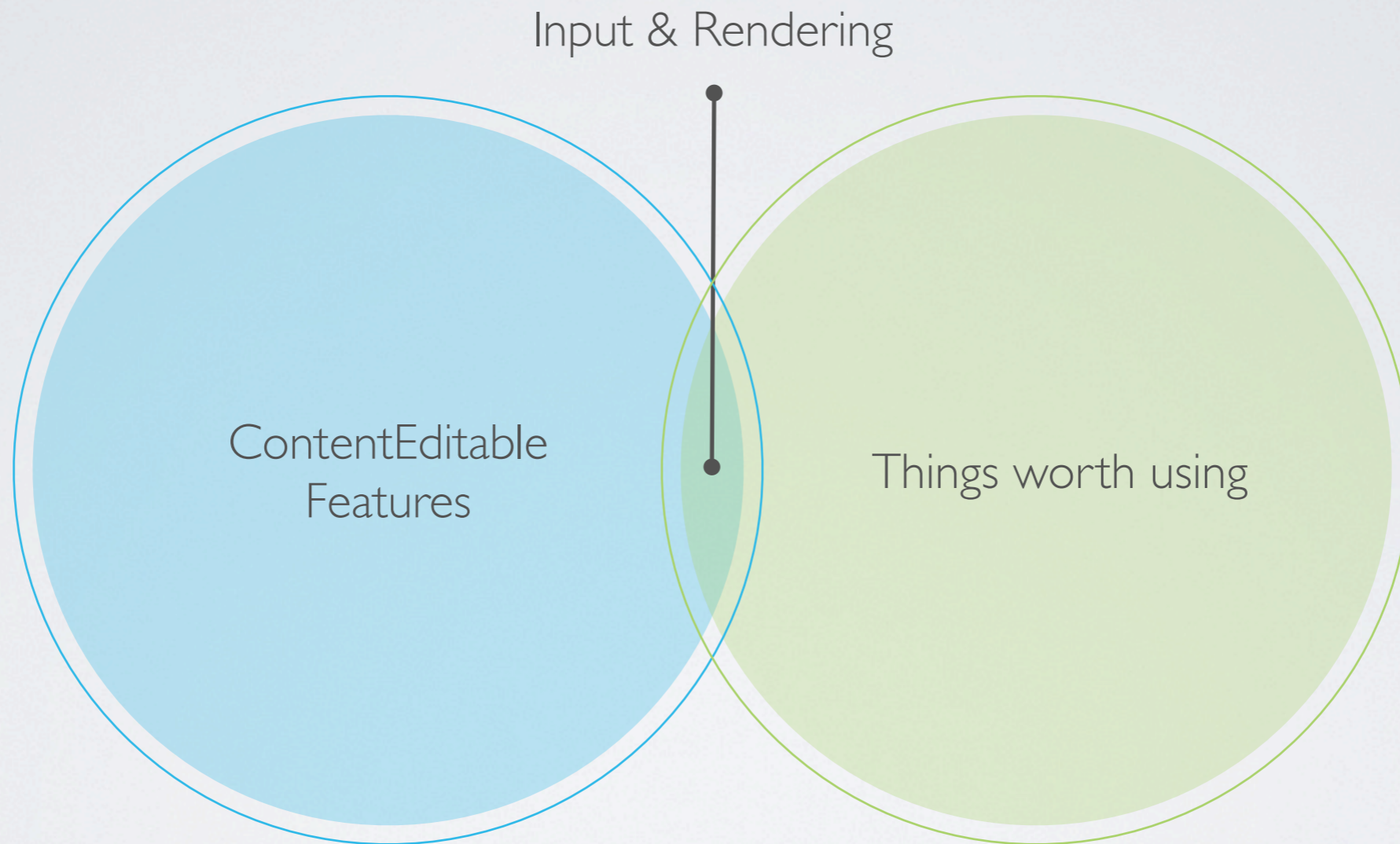
necessary



A New Theory

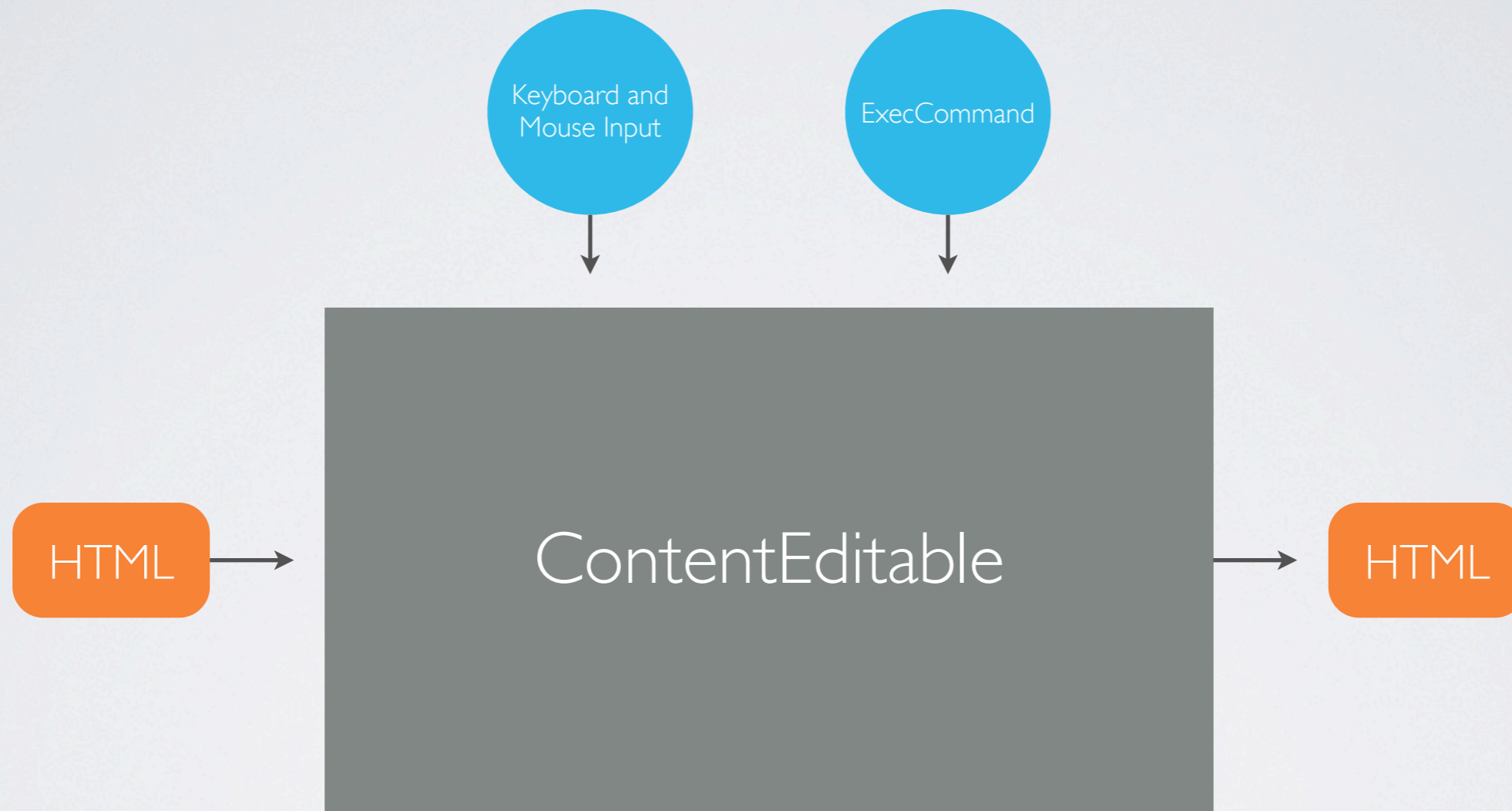


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More Progress

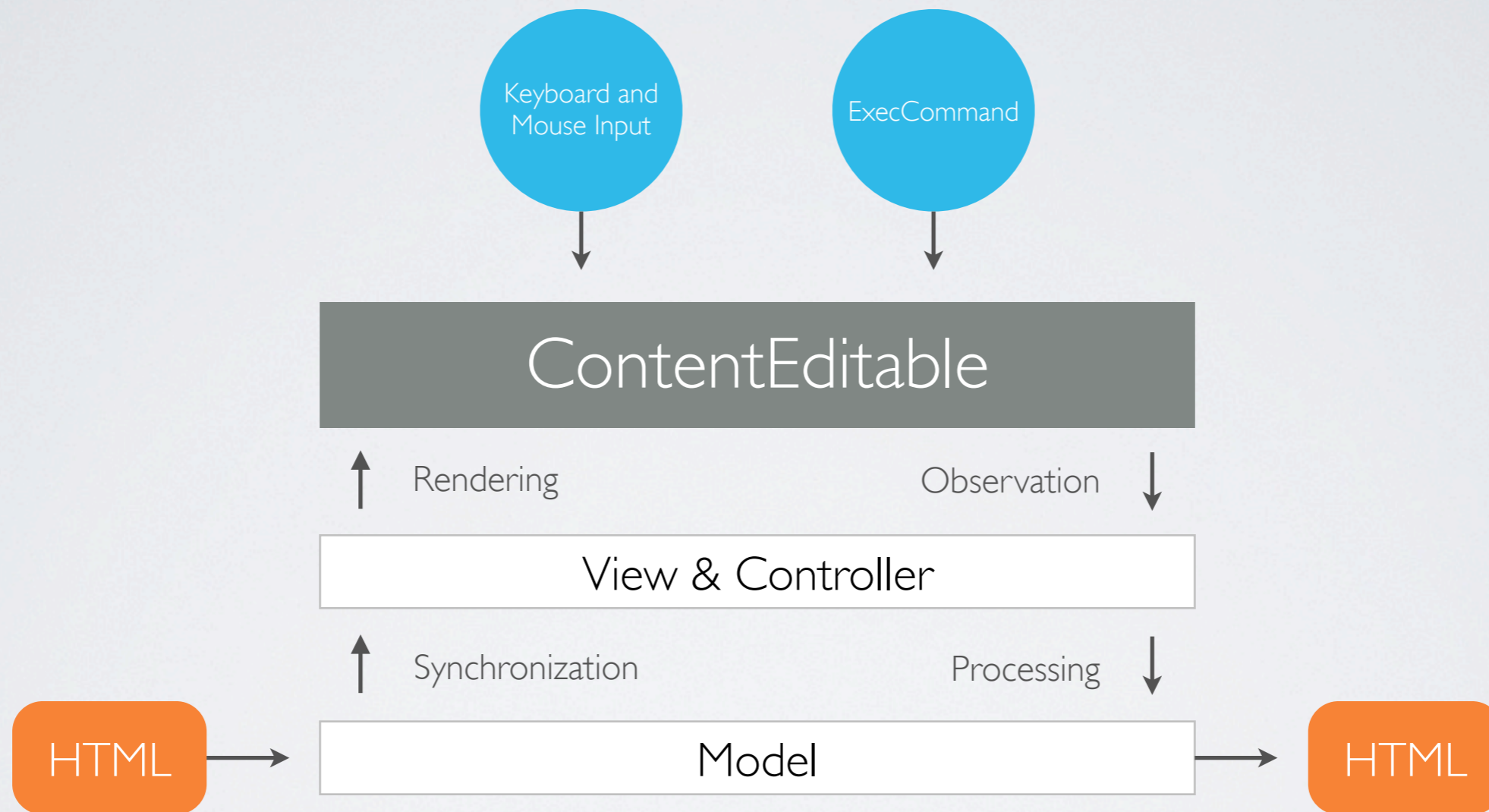
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More Progress



ve.ce

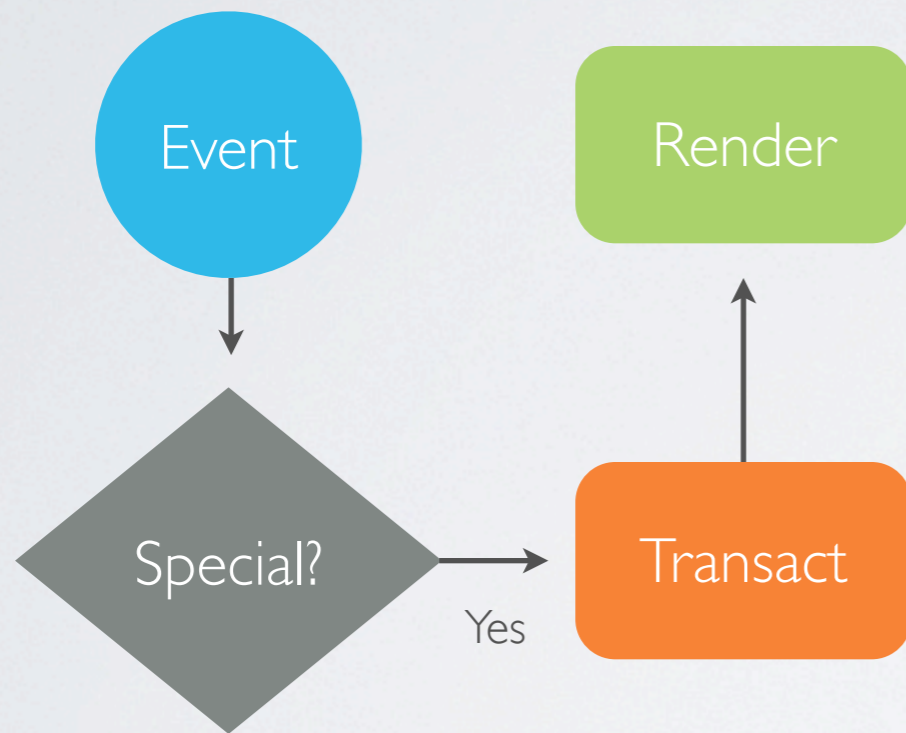


More Progress

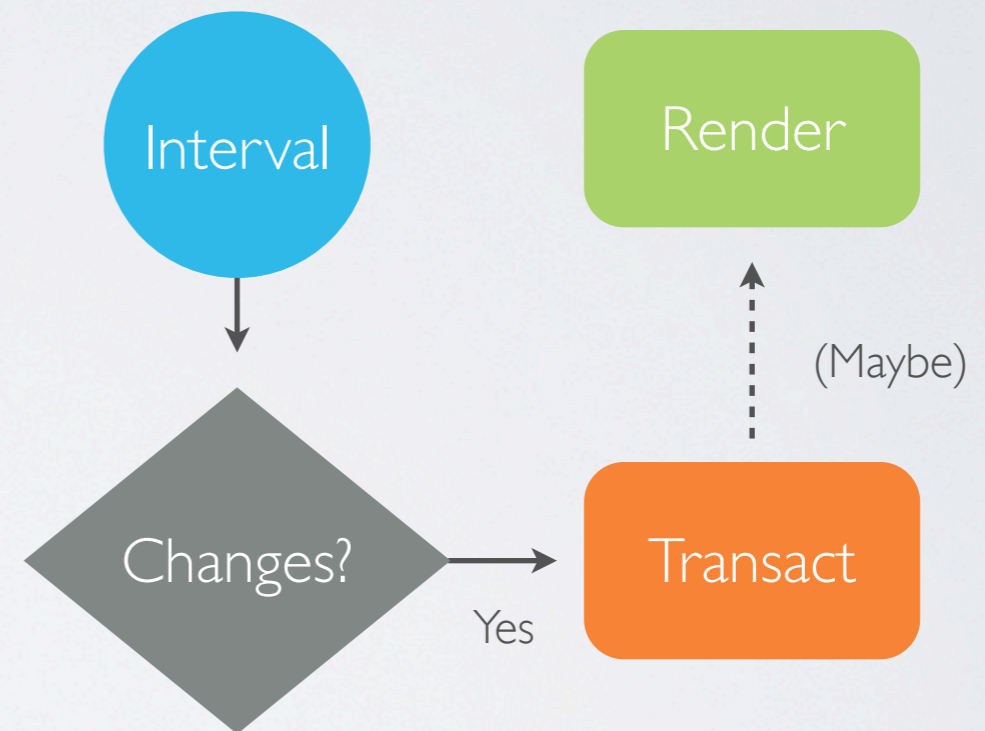


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Events



Polling



Demo



A Demo

What's next?

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The Future

Open Source Bridge 2012

More Features

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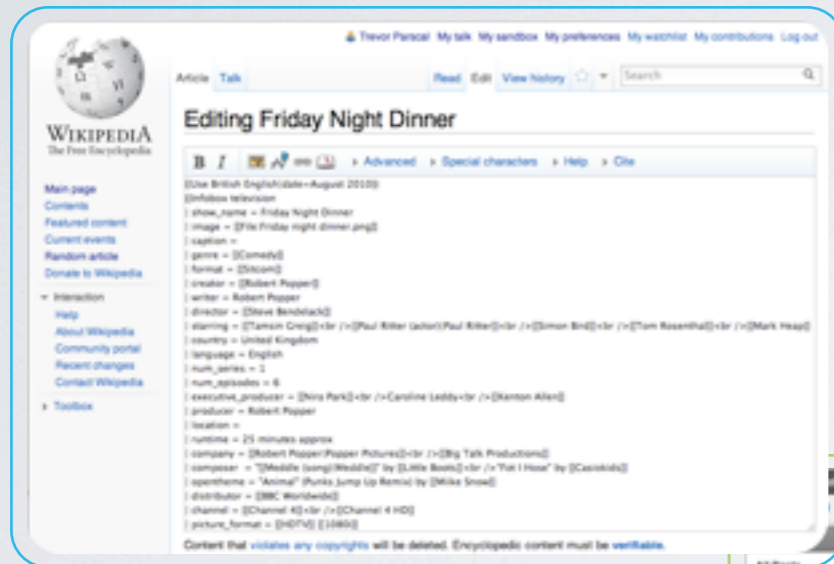
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- Definition lists
- Tables
- Images
- Videos
- Infoboxes
- References
- Image galleries
- Real-time collaboration
- Conflict resolution
- Edit playback
- Integration with discussion system



The Future

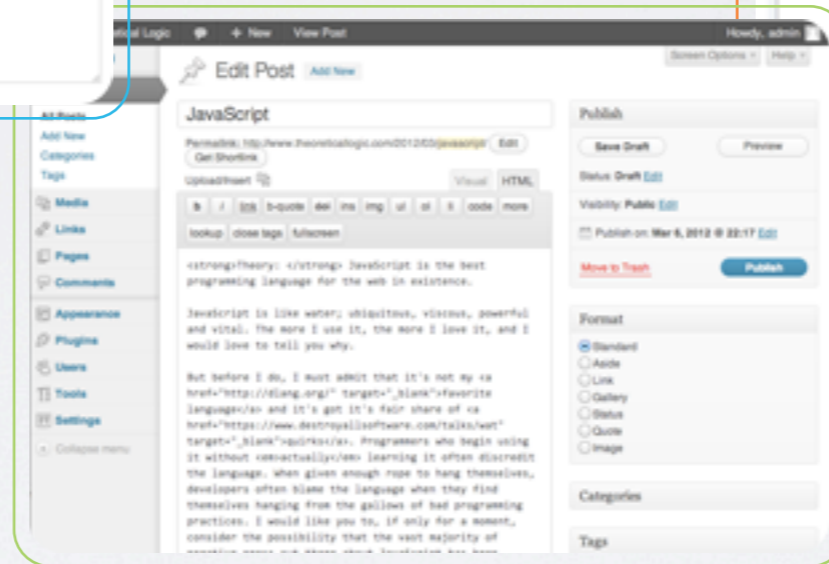
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Less Dependency

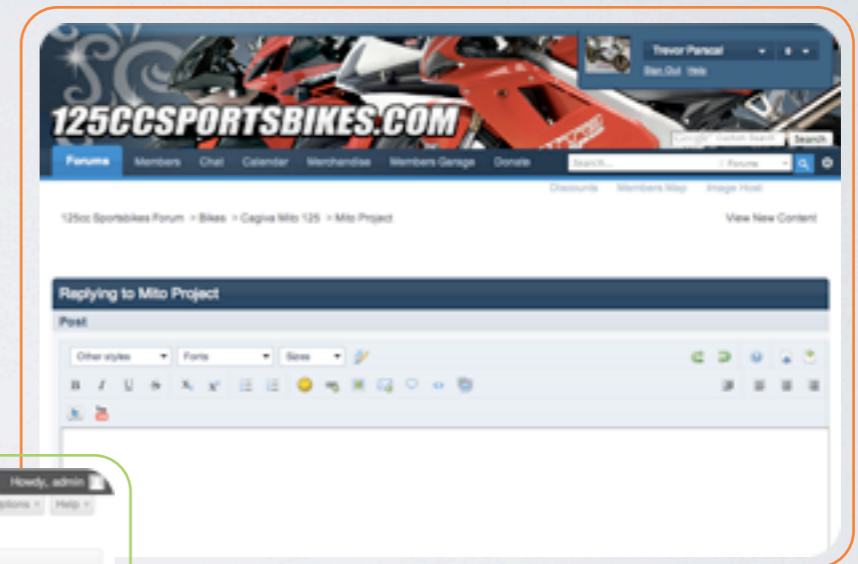


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Blogs



The Future



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Swing by the hacker lounge tonight between 6:30pm and 9:30pm

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```



Community Development

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Trevor Parscal

trevor@wikimedia.org

@trevorparscal

Roan Kattouw

roan@wikimedia.org

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