Agenda

Team intro – 5 minutes
What we said we would do – 10 minutes
What we did – 10 minutes
What we learned – 15 minutes
Metrics & other key accomplishments – 20 minutes
What’s next – 20 minutes
Asks – 10 minutes
Team intro

Roan Kattouw
November 2011

Bartosz Dziewoński
September 2014

Rummana Yasmeen
October 2013

Alex Monk
March 2014

Erica Litrenta
June 2013

Ed Sanders
February 2013

Elena Tonkovidova
November 2014

Marielle Volz
October 2014

Kaity Hammerstein
October 2013

Trevor Parscal
May 2011

Timo Tijhof
July 2012

Sherry Snyder
June 2013

Moriel Schottlender
June 2013

Ori Livneh
For this quarter

David Chan
January 2014

Tim Starling
For this quarter

James Forrester
April 2012

Sucheta Ghoshal
October 2014

FY 2013-2014

FY 2014-2015

FY 2015-2016
What we said
Background: Recap of October–December 2014 work

VisualEditor is now deployed as opt-out/default on 162 Wikipedias and opt-in on the other 126 Wikipedias, including English, German, Spanish and Dutch. Also in opt-out on 17 other wikis and opt-in on 386 other wikis.

The Editing team’s principal objective last quarter was to add and consolidate features, performance and stability to prepare for re-enablement or enablement on the remaining Wikipedias.

As a team, we were also asked to support the Editing Performance workstream and lead the Front-End Standardisation workstream.
## VisualEditor

<table>
<thead>
<tr>
<th>Objective</th>
<th>Measure of success</th>
<th>Dependency</th>
<th>ETA</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto-filling citations</td>
<td>User can paste a URL to insert a cite. User can paste a DOI to insert a cite.</td>
<td>Services</td>
<td>2014-DEC-31</td>
<td></td>
</tr>
<tr>
<td></td>
<td>[S] User can paste an ISBN to insert a cite.</td>
<td>Design Operations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Simpler citations</td>
<td>User has a simplified citation editing system based on design research</td>
<td>Design</td>
<td>2014-DEC-31</td>
<td></td>
</tr>
<tr>
<td>Easier media</td>
<td>User has an improved media search experience based on design research</td>
<td>Design Multimedia</td>
<td>2015-JAN-15</td>
<td></td>
</tr>
<tr>
<td>Table editing</td>
<td>User can insert a table. User can insert/delete a row or column. [S] User can do other advanced actions.</td>
<td>Design</td>
<td>2014-DEC-31</td>
<td></td>
</tr>
<tr>
<td>Language support</td>
<td>Users of Input Method Editors (as used in Japanese, Korean, Arabic, Hindi, etc.) can type using VisualEditor without issues.</td>
<td>–</td>
<td>2015-JUN-30 (on-going)</td>
<td></td>
</tr>
</tbody>
</table>
### Editing Performance once HHVM work finished

<table>
<thead>
<tr>
<th>Objective</th>
<th>Measure of success</th>
<th>Dependency</th>
<th>ETA</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instrument edit funnels</td>
<td>Instrument VisualEditor on all platforms, Instrument wikitext editor on all platforms</td>
<td>Analytics Operations</td>
<td>2014-DEC-31</td>
<td></td>
</tr>
<tr>
<td>Optimistic WT saving</td>
<td>Implement equivalent of VisualEditor’s optimistic saving system in the wikitext editor</td>
<td>–</td>
<td>2014-DEC-31</td>
<td></td>
</tr>
<tr>
<td>Improve VE loads/saves</td>
<td>[S] Improve median and 99th %ile load time, [S] Improve median and 99th %ile save time</td>
<td>–</td>
<td>2014-DEC-31</td>
<td></td>
</tr>
</tbody>
</table>

### Front-End Standards

<table>
<thead>
<tr>
<th>OOUI theming</th>
<th>Complete MediaWiki theme, Switch over to MediaWiki theme in MW</th>
<th>Design</th>
<th>2014-DEC-31</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>OOUI PHP</td>
<td>Complete OOUI PHP port and ship in MW, [S] Switch over one or more MW interfaces</td>
<td>Platform</td>
<td>2014-DEC-31</td>
<td></td>
</tr>
</tbody>
</table>
What we did
## VisualEditor

<table>
<thead>
<tr>
<th>Objective</th>
<th>Measure of success</th>
<th>Dependency</th>
<th>ETA</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto-filling citations</td>
<td>User can paste a URL to insert a cite. User can paste a DOI to insert a cite. <strong>[S]</strong> User can paste an ISBN to insert a cite.</td>
<td>Services Design Operations</td>
<td>2014-DEC-31</td>
<td>Mostly done Service not yet live. ETA mid-February.</td>
</tr>
<tr>
<td>Simpler citations</td>
<td>User has a simplified citation editing system based on design research</td>
<td>Design</td>
<td>2014-DEC-31</td>
<td>Incomplete</td>
</tr>
<tr>
<td>Easier media</td>
<td>User has an improved media search experience based on design research</td>
<td>Design Multimedia</td>
<td>2015-JAN-15</td>
<td>Done</td>
</tr>
<tr>
<td>Table editing</td>
<td>User can insert a table. User can insert/delete a row or column. <strong>[S]</strong> User can do other advanced actions.</td>
<td>Design</td>
<td>2014-DEC-31</td>
<td>Done including stretch goals</td>
</tr>
<tr>
<td>Language support</td>
<td>Users of Input Method Editors (as used in Japanese, Korean, Arabic, Hindi, etc.) can type using VisualEditor without issues.</td>
<td>–</td>
<td>2015-JUN-30 (on-going)</td>
<td>On-going Technical progress; minor user-noticeable improvements.</td>
</tr>
</tbody>
</table>
## Editing Performance

Once HHVM work finished

<table>
<thead>
<tr>
<th>Objective</th>
<th>Measure of success</th>
<th>Dependency</th>
<th>ETA</th>
<th>Status</th>
</tr>
</thead>
</table>
| Instrument edit funnels | Instrument VisualEditor on all platforms  
Instrument wikitext editor on all platforms | Analytics  
Operations       | 2014-DEC-31 | Partially done  
Only VisualEditor part |
| Optimistic WT saving  | Implement equivalent of VisualEditor’s optimistic saving system in the wikitext editor | –         | 2014-DEC-31 | Done                            |
| Improve VE loads/saves| [S] Improve median and 99th %ile load time  
[S] Improve median and 99th %ile save time | –         | 2014-DEC-31 | Some improvement  
Load time down ~20% |

## Front-End Standards

| OOUI theming            | Complete MediaWiki theme  
Switch over to MediaWiki theme in MW | Design   | 2014-DEC-31 | Done |
|-------------------------|-----------------------------------------------------------------------------------|----------|-------------|------|
| OOUI PHP                | Complete OOUI PHP port and ship in MW  
[S] Switch over one or more MW interfaces | Platform | 2014-DEC-31 | Done  
(except stretch goal) |
What we learned
What we learned: Review of Q2 team performance

Q2 was a quiet quarter for the VisualEditor team, as several staff were deployed on other priority projects. The work on table editing surpassed plans, delivering Q4 expectations in Q2 to user delight.

The start of the editing performance work was significantly delayed as key resources were still deployed to the Q1+ HHVM rollout.

Front-end standards work was a success in terms of anticipated gains. More effort will be required to roll it out more widely.
Metrics & other key accomplishments
**Metrics & other key accomplishments: Performance**

<table>
<thead>
<tr>
<th>Page length</th>
<th>Quarter start</th>
<th>Quarter end</th>
<th>Improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small</td>
<td>1408</td>
<td>908</td>
<td>35.5%</td>
</tr>
<tr>
<td>Medium</td>
<td>1912</td>
<td>1569</td>
<td>17.9%</td>
</tr>
<tr>
<td>Large</td>
<td>6375</td>
<td>6689</td>
<td>-4.9%</td>
</tr>
<tr>
<td>Huge</td>
<td>7083</td>
<td>6997</td>
<td>1.2%</td>
</tr>
</tbody>
</table>

*Synthetic median page load time, selected indicative pages, 2014-09-01 vs. 2014-12-31 code, milliseconds*

We made noticeable load performance gains in the quarter, whilst providing new complex features like table editing. This remains the key area of focus gains for improving user perceived performance.
Metrics & other key accomplishments: Performance

99%ile: ~9.5s
75%ile: ~4.5s
50%ile: ~3.5s

Comparable wikitext median save: 2.5s

In the period, HHVM’s deployment made wikitext saves faster; API deployment this month aided VE. Page save times are acceptable.
Our basic funnel analysis raised no big issues; data is comparable to Wikia’s VisualEditor experience.*

Our next step is adding funnel instrumentation to the wikitext editor.

* — Note that there are some significant inter-wiki discrepancies which we need to explore, evaluate and action.
Metrics & other key accomplishments: Wider work

We believe this period we passed our 5 millionth VisualEditor edit; we have over 80,000 successful VisualEditor edits per week.

We added several minor user-delight features, like find-and-replace, redirecting categories, TemplateData GUI and keyboard sequences.

We oversaw 13 weekly production deployments and follow-ups, and marked as fixed over 300 bugs/features in this period overall.
What’s next
Switch focus back to shipping VisualEditor

We will get VisualEditor to be ready to be on by default ("opt-out") on the English Wikipedia and others in desktop mode, subject to community happiness, for "new users" – anonymous users and logged in users who have never edited.

[Stretch] We run a trial in which IP & new users get VisualEditor on by default for a period to demonstrate the value of the product.

Front-end standards & continuous integration work will be parked.
Planned process adjustments
<table>
<thead>
<tr>
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<th>Measure of success</th>
<th>Dependency</th>
<th>ETA</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability</td>
<td>Any identified major stability issues fixed. No regressions or data corruptions.</td>
<td>Parsoid</td>
<td>2015-MAR-31</td>
<td></td>
</tr>
<tr>
<td>Performance</td>
<td>Improved desktop load performance by 25%. Positive user testing experimental feedback. Demonstrated impact on user behaviour.</td>
<td>Parsoid</td>
<td>2015-MAR-31</td>
<td></td>
</tr>
<tr>
<td>Testing</td>
<td>Expanded unit, regression, content testing.</td>
<td>–</td>
<td>2015-MAR-31</td>
<td></td>
</tr>
<tr>
<td>Languages</td>
<td>[S] Fit-for-purpose special character editor. [S] IME support for top 10 (etc.) user IMEs.</td>
<td>–</td>
<td>2015-MAR-31</td>
<td></td>
</tr>
</tbody>
</table>
Asks
Asks

Data analytics support to verify performance/behavioural changes (already agreed; our thanks to the Analytics team).

Community liaison need is high; this will spike as we engage more. Possible adverse reaction could be mitigated by triaging and hand-coding any editing issues around the trial deployment.

Further user research to validate auto-filled reference approach.

Parsoid team resourcing is tight for our performance work needs. Increasing need for project management support to focus product.