Alpha Presentation
Asynchronize All The (Localization) Things!
The Capstone Experience
Team Mozilla
Raza Haider
Jim Lennon
Jack Song
Jack Smith
Collin Wing

Department of Computer Science and Engineering
Michigan State University
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Project Overview

- Firefox browser ships in 99 languages worldwide.
- Work with Mozilla development team to update all privileged in-content pages in Firefox to use Fluent localization.
- Create migration scripts to migrate translations from English to other supported languages.
System Architecture

- **User Interface**
  - User Interface
  - UI Toolkit (XPFE)

- **Data Persistence**
  - User, Secure, And Engine Persistence

- **Networking**
  - Necko
  - Security (NSS/PSM)

- **JavaScript Interpreter**
  - Spider - Monkey

- **XML Parser**
  - Expat

- **Display Backend**
  - GTK+ Adapter
  - GTK+ / X11 Libraries

- **MessageContext**

- **HTML5**
  - FluentDOM
  - Fluent

- **XUL**
  - FluentReact
  - FluentVue

- **React**

- **Vue**

- **L10nRegistry**

- **LocaleService**

The Capstone Experience

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What’s left to do?

<table>
<thead>
<tr>
<th>Done</th>
<th>In Progress</th>
<th>Up Next</th>
</tr>
</thead>
<tbody>
<tr>
<td>about:about</td>
<td>about:addons</td>
<td>about:devtools</td>
</tr>
<tr>
<td>about:config</td>
<td>about:preferences</td>
<td>about:downloads</td>
</tr>
<tr>
<td>about:profiles</td>
<td>about:debugging</td>
<td>about:networking</td>
</tr>
<tr>
<td>about:restartrequired</td>
<td></td>
<td>about:plugins</td>
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<tr>
<td>about:url-classifier</td>
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<td>about:searchreset</td>
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<td>about:serviceworkers</td>
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<td></td>
<td>about:sessionrestore</td>
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<td>about:telemetry</td>
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<td></td>
<td>about:webrtc</td>
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<tr>
<td></td>
<td></td>
<td>about:welcomeback</td>
</tr>
</tbody>
</table>
Questions?