

**MICHIGAN STATE**  

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**U N I V E R S I T Y**

# Alpha Presentation

## Improvements to Select Dropdown for Firefox

### The Capstone Experience

Team Mozilla

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*From Students...  
...to Professionals*

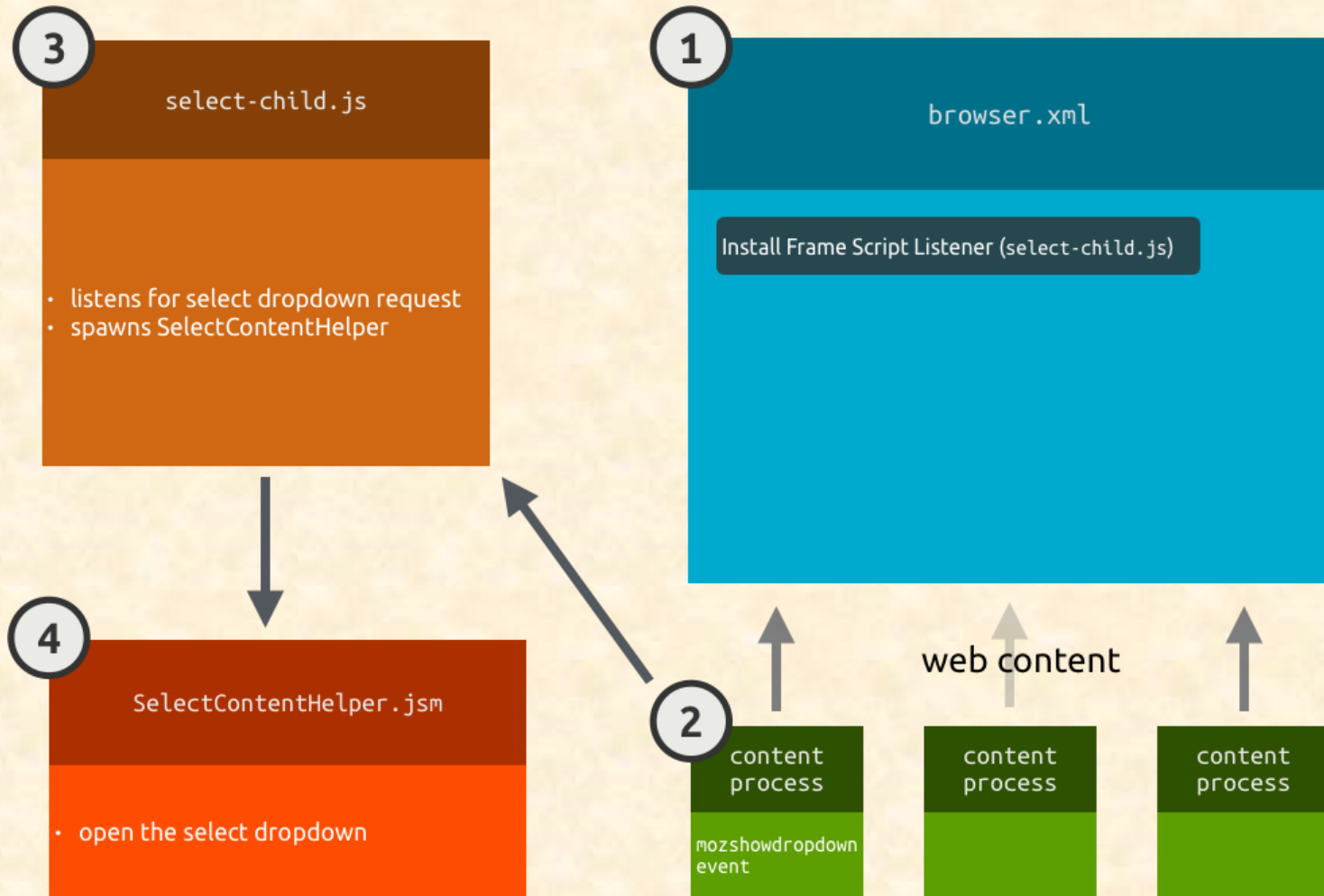
# Project Overview

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- Select dropdown styling improvements
  - Improve grouping & disabled states
  - Larger Windows touch options
- Select dropdown search functionality
  - For longer lists (40+ options)
  - Case insensitive inner search
- Update single-process dropdown implementation to follow the multi-process (e10s) architecture



# System Architecture

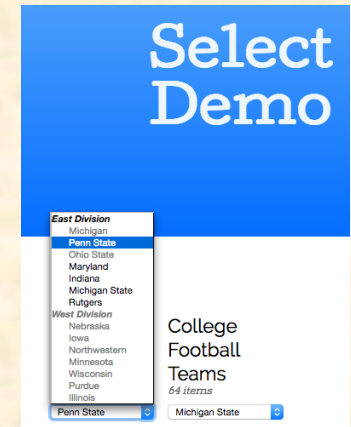


# Runtime Preferences

Runtime Preference turned off: Results in single-process dropdown implementation while running in single-process mode

Search:

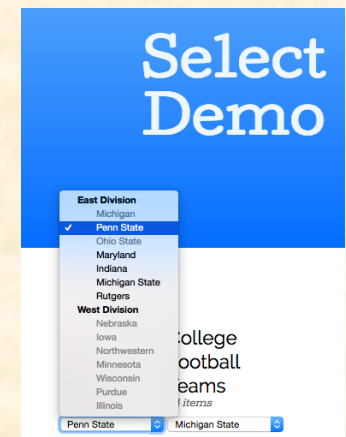
Preference Name	Status	Type	Value
dom.select_popup_in_parent.enabled	default	boolean	false



Runtime Preference turned on: Results in multi-process dropdown implementation while running in single-process mode

Search:

Preference Name	Status	Type	Value
dom.select_popup_in_parent.enabled	user set	boolean	true



# Updated Styling of Dropdown

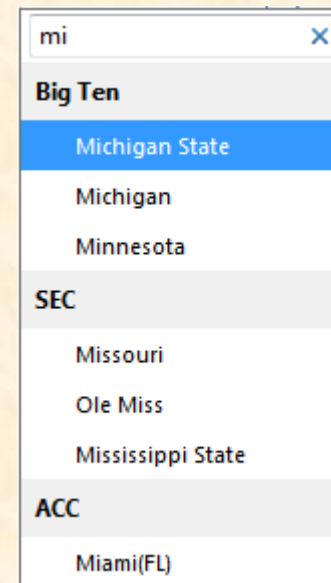
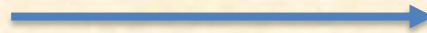
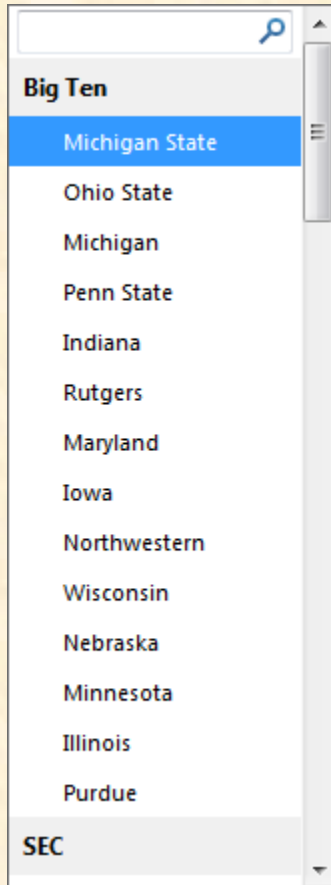
## Old Dropdown Styling:

<b><i>East Division</i></b>
Michigan
<b>Penn State</b>
Ohio State
Maryland
Indiana
Michigan State
Rutgers
<b><i>West Division</i></b>
Nebraska
Iowa
Northwestern
Minnesota
Wisconsin
Purdue
Illinois

## New Dropdown Styling:

<b>East Division</b>
Michigan
<b>Penn State</b>
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Illinois

# Dropdown with Search



# What's left to do?

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- Windows Touch Styling
- Additional Search Functionality
  - Matching text underlined
  - Update dropdown opening positions
  - Add dropdown opening animations
- MozReview for backend & search changes



# Questions?

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