

Speeding up the Web Questionnaire

18th DELPH-IN Summit

Observations

- Baseline:
- Choices file with empty lexicon
- 1.57s Load time
- Choices file with 658 lexical entries
- 36s Load time
 - JS function call takes 22.3s
 - multi_init() → 11.1s (Implementation of multi-select dropdown controls)
 - focus_all_fields() → 10.2s (giving the focus to every form field)
 - Rendering takes 3.58s
 - Loading (parsing HTML) takes 2.7s

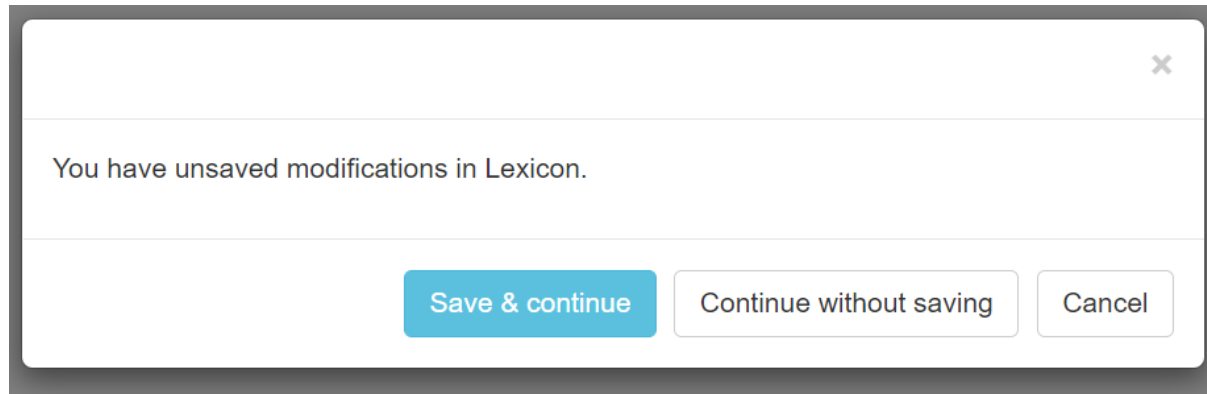
Discussion

- Can we add a loading animation to indicate the page is loading?
- Do we need to change the way it initializes the page?
 - > Instead of loading all fields at once, it loads a lexical entry until the user collapses it.
 - > Then how do users search for a specific item?
 - > The advantage now is that users can search where a lexical entry with specific predicate/spelling/feature/etc. is.
 - > If all items are not collapsed by default, it may be harder for users to interact with AGG-inferred choices.

- ▶ verb2 (verb2)
- ▶ verb3 (verb3)
- ▶ verb6 (verb6)
- ▶ verb12 (verb12)
- ▶ verb14 (verb14)
- ▶ verb22 (verb22)
- ▶ verb25 (verb25)
- ▶ verb30 (verb30)
- ▶ verb37 (verb37)
- ▶ verb40 (verb40)
- ▶ verb42 (verb42)
- ▶ verb43 (verb43)
- ▶ verb47 (verb47)
- ▶ verb58 (verb58)
- ▶ verb61 (verb61)
- ▶ verb68 (verb68)
- ▶ verb78 (verb78)
- ▶ verb79 (verb79)
- ▶ verb89 (verb89)
- ▶ verb98 (verb98)
- ▶ verb104 (verb104)
- ▶ verb106 (verb106)
- ▶ verb111 (verb111)
- ▶ verb124 (verb124)
- ▶ verb127 (verb127)
- ▶ verb132 (verb132)
- ▶ verb133 (verb133)
- ▶ verb134 (verb134)
- ▶ verb138 (verb138)
- ▶ verb156 (verb156)
- ▶ verb157 (verb157)

Discussion

- If a user navigates from one section to another, in some cases, the choices file is not saved unless the user clicks “Save & stay” before navigating.
 - How about popping up a dialog to ask the user if the user wants to navigate to another page or close the page without saving?



- Or modify the codebase to ensure it can save automatically before navigating?

Discussion

- Users need to guess when the choices file was saved.
- What's the best way to indicate it?

Some ideas:

1. Indicate when it was saved at the right navigation bar

[Choices file](#)

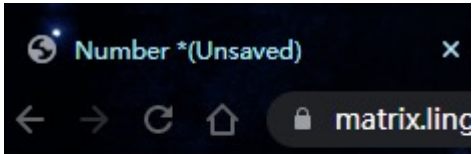
(right-click to download)

[Save & stay](#)

Saved 2 seconds ago

[Clear current subpage](#)

2. Indicate it in the title.



Number [[docur](#)

Discussion

1. Loading animation
2. Speed up Lexicon & Morphology Pages
 - Load content when the user clicks
 - How to search?
3. Save the choices when navigating
 - Dialog? Save automatically?
4. Indicate when it was saved
5. Improve the styles/accessibility/responsiveness of the web
 - Bootstrap etc.