Dictionary Project

by Koodikirput

About the project

- English–Somali dictionary

Functionalities

- Word search (predictive)
- Word edit

Responsibilities

- Were decided in the beginning
- Badass combination: Server side + UI skills

Indexed data

- Based on study material
- [Zorc and Osman's Somali-English dictionary](#)
  - (English-Somali part)

```
<add>
    <doc>
        <field name="en">a / an</field>
        <field name="so">(not expressed in Somali; use the noun alone)</field>
    </doc>
    <doc>
        <field name="en">aardvarlc</field>
        <field name="so">qarandi, saddexsuulley, xabaalaquf</field>
    </doc>
    <doc>
        <field name="en">abandon</field>
        <field name="so">caalgab, cidlee, dagaaljooji, dayac2, gaaloob, hollo (u hollo), maago (ka maago), tacabbir, xoor</field>
    </doc>
    <doc>
        <field name="en">abandoned</field>
        <field name="so">abaydin, ciirsila', dayacan, gorse, guricas, jabad, jabo2, kagguur</field>
    </doc>
```

External libraries

- jQuery
- jQueryUI
- Select2
- Django

User Interface

- Based on Bootstrap theme *Unity*
- Content delivery network (CDN)
- Modal window
- Responsive UI

```html
<!-- external stylesheets -->
<link rel="stylesheet" href="https://bootswatch.com/3/assets/css/custom.min.css">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/select2/4.0.5/css/select2.css">
<link rel="stylesheet" href="https://bootswatch.com/3/united/bootstrap.min.css">
<link rel="stylesheet" href="https://code.jquery.com/ui/1.12.1/themes/base/jquery-ui.css">

<!-- external scripts -->
<script src="https://code.jquery.com/jquery-3.2.1.js"></script>
<script src="https://code.jquery.com/ui/1.12.1/jquery-ui.js"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/select2/4.0.5/js/select2.full.min.js"></script>
<script src="https://bootswatch.com/3/bower_components/bootstrap/dist/js/bootstrap.min.js"></script>
```

Challenges

- Scoping
- Indexing (wiki?)
- Environments (two laptops, desktop and Taito)
- Finding out how Solr requests work.

Solution

Desktop version

Mobile version