**Arabic Tagging Project**

**11**th meeting – 1**7**.0**6**.2020

**Changes and additions to the UI**

The tags hierarchy place it to the poem’s right, keep the definition under the line we’re choosing, chosen way to tag is first of all show all roots with option to expand whenever a root is expanded remove it’s brothers and show the children.

A right click on a tag allows the user to add a child to this tag (after adding it select it as a tag to the term we’re at), in addition if the term was tagged before or we have a suggestion to tagging it consider showing those above the hierarchy where the user can choose weather he wants them or not (maybe in a form of allowing the user to either keep the tag or remove it)

x tag

**The Database**

The tags database now includes two kinds of relationships, one is between each tag and its son/parent the other is tagging a term with a tag. All data in site related to tags is connected to the database (mvc like). Queries related to tagging process are ready to use e.g. upon searching a tag returns it with its father and children.

**Tags Viz**

HTML page of our tags hierarchy, consider coloring the nodes based on depth in the tree. Its useful in order to see the big picture of the tags we currently have, maybe add the option to add a new child to a selected node.

**Something to Consider**

Labeling the edges in tags hierarchy, some of those edges can be clearly classified as “good” or “bad”, might help with the automation later on, implementation should not be hard since its just defining labels and labeling (or not) each edge.

**What’s Next?**

1. Start working on adding term tag relations so we can start the automatic tagging phase and test it.
2. Make the UI pretty since we need it working to fill the database with examples of tagging.

**Ilai’s Project**

Step 1 - An index or database of all terms that are related to אימון – this can be done from scrapping on several dictionaries.

Step 2 - Build a hirarchy from the collected terms, this step cant be automatied since its closely related personal opinion.

This hirarchy now contains the basis of understanding the the word אימון in arabic.

Now we can build another hirarchy for another terms and compare them.

Moreover for each node in the hirarchy we have הבחנה רגשית and we can build a matrix like:

|  |  |  |  |
| --- | --- | --- | --- |
|  | מילות אימון | | |
| רגשות |  |  |  |
|  |  |  |

**Intreseting stuff Tsvika should not forget**

Thesis Proposal 1

Looking for a correlation between letters (number of letters maybe) in each song and the song’s “mood” or emotions.

Thesis Proposal 2

in our hirarchy we have for example node [marrige] with child [divorce], instead of labeling the edge as a “bad” edge we can add children to the [divorce] node for example [sad], [anger] and so on, and automaticlly understand that those feeling are related to the edge between marrige and divorce.

Problem – sometimes there are different feelings for different people we cant assume a bad edge on divorce…