Meeting Memo

1 Topic

Creating a website for vocabulary analysis and training in English. The user reads a text, and the website save which words are read for statistics computations.

2 Weekly Activities

— Implementing a user authentication system to let several users access the website with a personal vocabulary set;
— Building a statistics view in the website to assess a user's training evolution
    — Count of words read per day;
    — Count of new words discovered per day;
    — Easiest / Hardest texts for the reader (based on Jaccard Similarity);
— Making the website compatible with the Tobii 4C eye-tracker
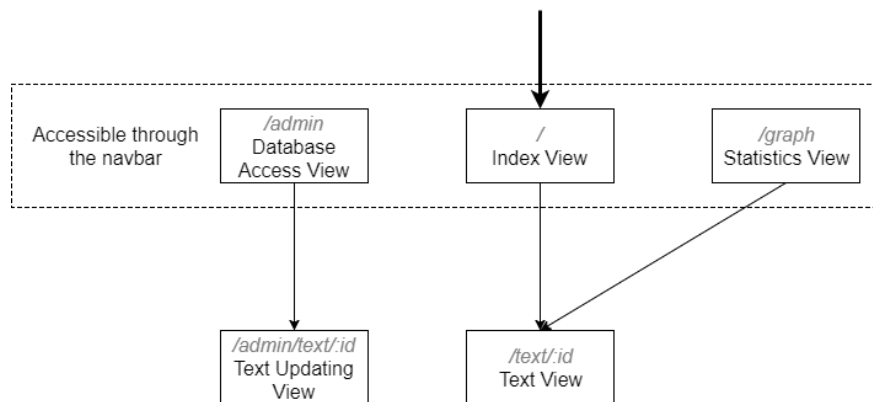— Buiding a view for adding new views to the database, or updating / removing existing ones

FIGURE 1 – Different views of the app and the links between them

3 Planned Activities

— Testing the app with some users ...
    — ... to check if words are accurately detected as read or not read;
    — ... to collect feedbacks on how easy texts were to read;
    — ... to collect feedbacks on the use of the app, ideas of improvement
— Implementing a Spaced Repetition System for helping vocabulary learning
— Use feedbacks on text easiness to decide of a threshold (manually or using classification methods) what is an easy or hard text.
    [Problem : users don't know the same vocabulary when using for the first time the app. How to assess every user vocabulary knowledge to get useful and usable feedbacks ? (cold start problem)]