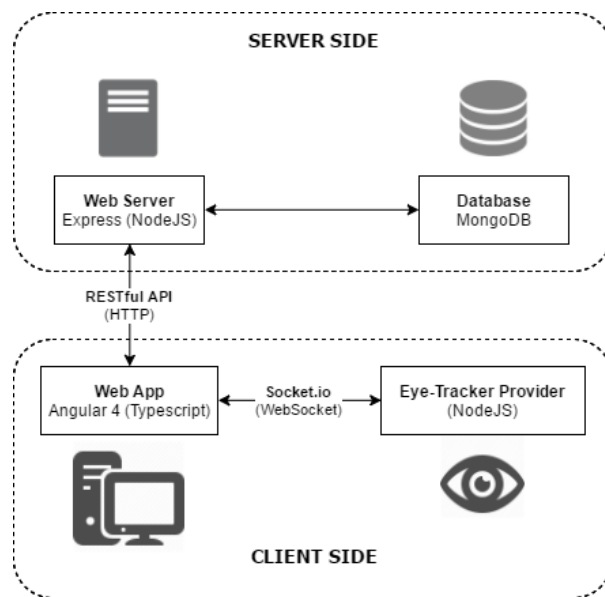


Meeting Memo

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



Server side

Web server : NodeJS (a JS interpreter to build programs such as websites with JS). Offers a RESTful API to access the database.

Database : MongoDB (a document-oriented database. Useful for web apps and computing complex statistics queries). Stores users, texts and users vocabulary.

Client side

Web app : AngularJS 4, a client web framework useful for complex websites

Eye-tracker provider : A NodeJS program that sends gaze location on the screen, retrieved from the Tobii EyeX, to the web app using Socket.IO communications.

Tasks performed so far

1. Setting up the architecture described above ;
2. Decomposing an English text into a sequence of tokens (words and punctuation) using a Lexer ;
3. Detecting read words in the website and saving them into the database, but ignoring stop words ;
4. Designing a text display settings menu for debugging.

I am currently setting up a simple text recommendation based on Jaccard similarity indice between a text's word collection and a user vocabulary.

3 Planned 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 ;
- Making the website compatible with the Tobii 4C eye-tracker (for now, it is only compatible with Tobii EyeX)

Sleeping Beauty

A long time ago there were a king and queen who were unhappy because they were childless. But it happened that once when the queen was bathing, a frog crept out of the water on to the land, and said to her, (Your wish shall be fulfilled, before a year has gone by, you shall have a daughter.)



What the frog had said came true, and the queen had a little girl who was so pretty that the king could not contain himself

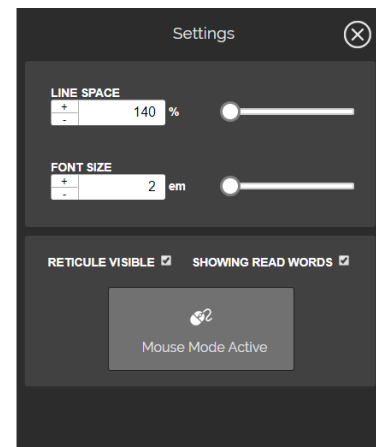


FIGURE 1 – Current view of the app