WebInt: Project report

Our website aims to improve the pronunciation in the English language. It presents users words, their phonetic script and an recording of the word. Than the user can record himself saying the word, if the recording is of high quality (evaluation not implemented yet) the site proposes a new word to the user.

The user can register with the button that is in the top right of the website. The registration requires only the email of the user. The login process adds a new feature to the website which is the level system. After correctly recording 10 words the user reaches a higher level.

The user can specifically search words by typing a new word in the case “search new word”. Than we make an API call that fetches the new word including phonetic script and recording from the input field.

The API that we are using is: https://dictionaryapi.dev/

If the user doesn’t search a new word, a random word gets proposed. The source of this word is a list of the 3000 most common words in the English language that we found here:

https://www.ef.com/wwen/english-resources/english-vocabulary/top-3000-words/

Whenever the user is registered and in the “Lection mode” he gets a point for every word that he pronounced correctly. On another HTML site that we linked in the dropdown in the navbar a ranking of the best user is available. To store the scores we use LocalStorage. We also use LocalStorage to keep track of what the next words are supposed to be if a user logs out. This makes sure that when he logs in again he starts exactly where he stopped last time. It also prevents repetitions of words .

We used the frameworks Vue JS and Bootstrap.