### Babbel Challenge: Team Conjugator

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Prototype: <a href="https://lilyxl8.github.io/conjugator">https://lilyxl8.github.io/conjugator</a> (For judges: see solutions here)

#### **Problem**

When learning a new language, verb conjugations are so important yet so tedious. You have no other choice but to memorize a set of patterns.

Why not automate this learning? Even make it fun and gamify it ©

### **Impact**

All Indo-European languages have verb conjugations...

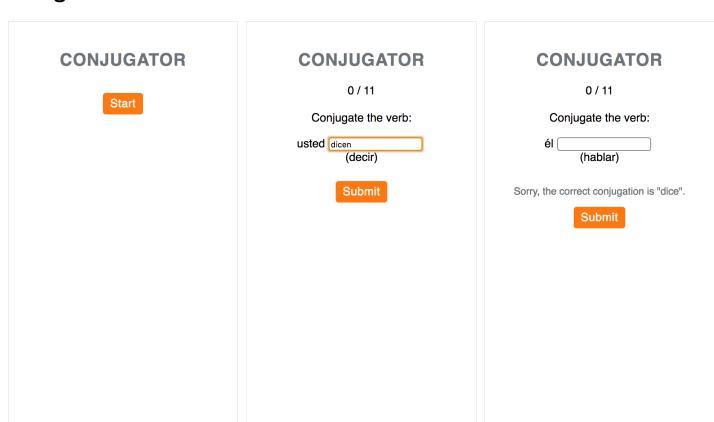
- English, French, Spanish, Italian, Portuguese, German, Dutch, Swedish, Norwegian, Russian,
  Yiddish, Afrikaans, Icelandic, Faroese, Latvian, Bulgarian, Bosnian, Serbo-Croatian, Polish,
  Slovenian, Macedonian, Urdu, Hindi, Persian, Turkish, Latin, Albanian, Armenian, Irish,
  Ukrainian, Greek =-O
- 44% of the world population, or 2.5 billion people, speak a language in the Indo-European family<sup>1</sup>
- Billions of language learners

Pronouns and verbs account for about 25% of human expression.<sup>2</sup> And they are the most meaningful parts of speech – with only these two, you can already have an entire conversation!

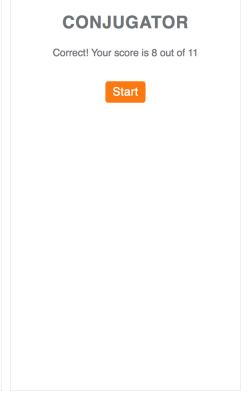
<sup>&</sup>lt;sup>1</sup> http://www.vistawide.com/languages/language\_families\_statistics1.htm

<sup>&</sup>lt;sup>2</sup> <a href="https://isenseproject.org/visualizations/1177">https://isenseproject.org/visualizations/1177</a> See ratio of verbs and pronouns out of all words from Brigham Young University's massive Corpus of Contemporary American English, which contains 180,000 contemporary texts totaling some 520,000,000 words.

# Design







# Variations

- Multiple-choice answer for beginners (instead of text field)
- Speech recognition
- Chatbot
- Multiple verb tenses (past, past perfect, conditional, subjunctive...)
- Social gamification