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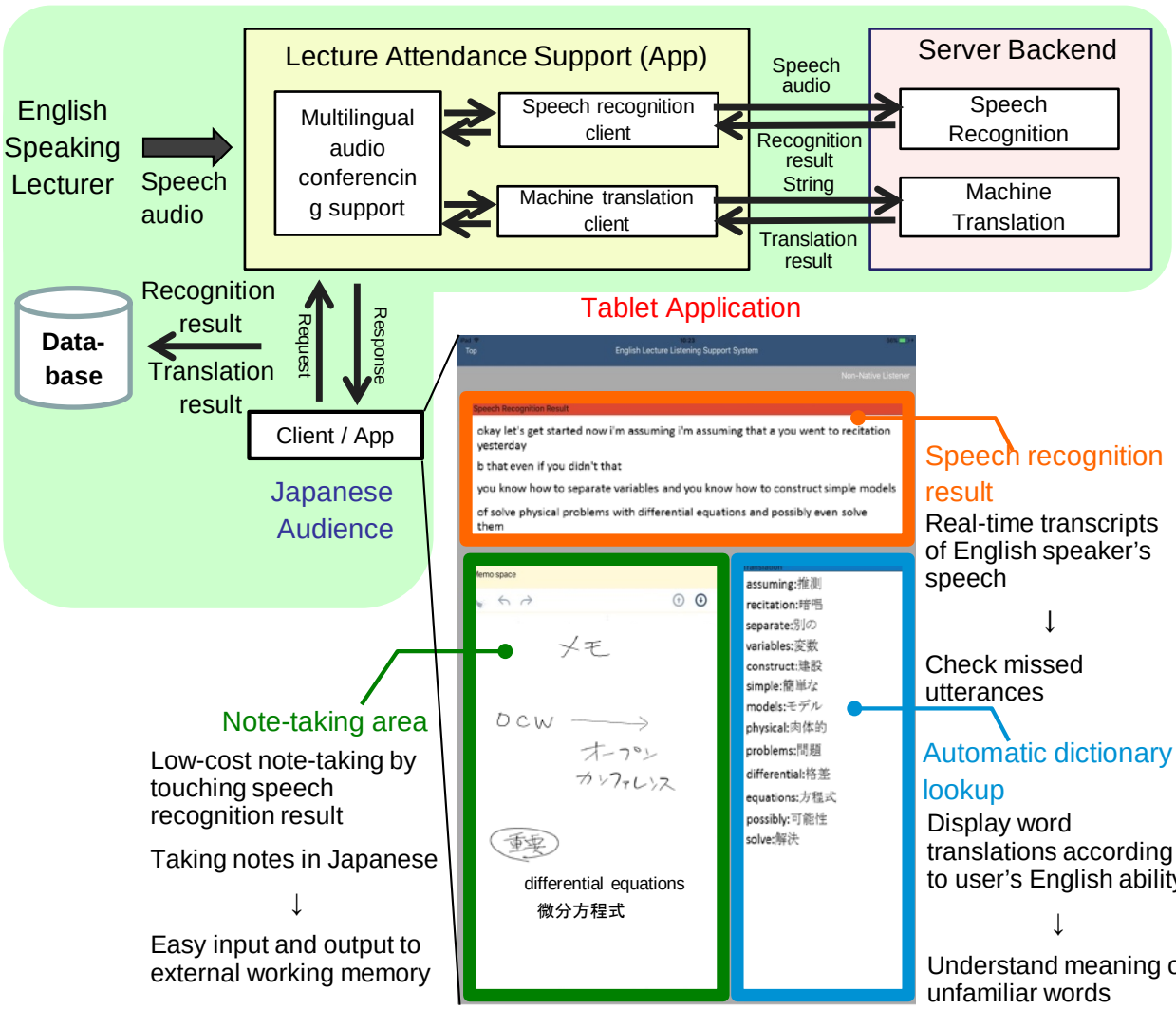
Assistive technology for non-native speakers

English is OK!

～Assistive Technology for Non-native Speakers～

Abstract

Non-native English speakers face considerable cognitive load when attending English lectures. While information technology can help in comprehension, simply using the technology further increases the non-native's burden. In this exhibition, we introduce an effective support method to reduce non-native speakers' cognitive load in English lectures. We designed a system that can increase non-native speakers' working memory capacity in English language lectures by using speech recognition and machine translation technology. The system allows non-native attendees to understand the content of the lecture more comprehensively. Our aim is to introduce easy to use, state-of-the-art, and useful speech recognition and machine translation technologies to larger body of ICT technology users. Furthermore, our future goal is to break down the language barriers between native and non-native speakers.



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