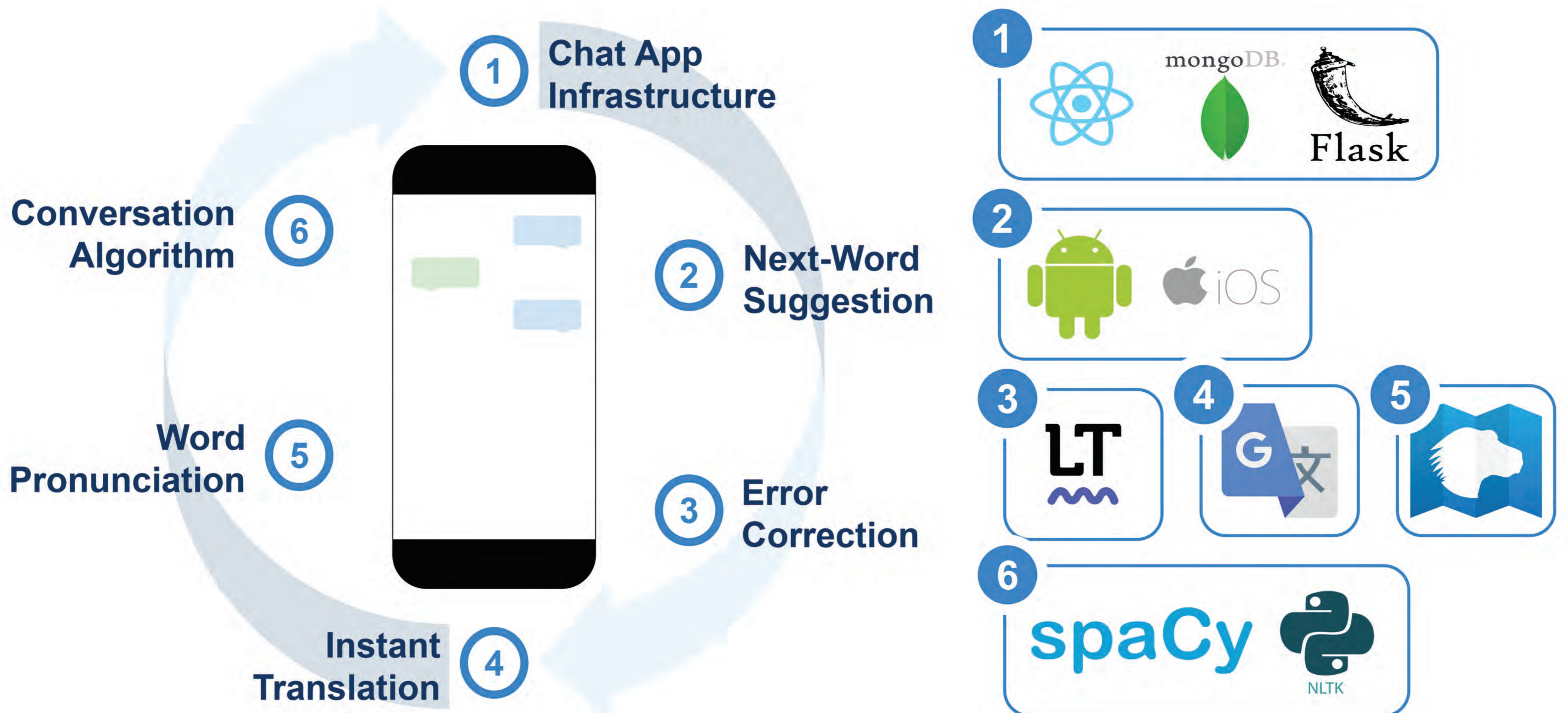


Foreign Language Virtual Chat Buddy

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The aim of this project is to build an application which allows language learners to practise conversing in a foreign language, that can correct and guide learners with basic functionalities.



Live Application

This screenshot shows the live application interacting with a new user.

Here, the user is telling the chatbot about his dreams, asking for the meaning of a French word, and expressing surprise at the chatbot's capability.



The App infrastructure was built entirely upon tools and libraries that are all available open-source, including most of its features.

The conversation algorithm utilises a custom decision tree, in which NLP libraries were used to first tokenise the sentences and words, before building a syntactic tree to extract useful meanings and generate the appropriate responses.