

# Next Generation Mobile Assistant Application

## Background

Mobile applications like Google Now (Android) and Siri (iOS) are getting more advanced with time. Nowadays, a user can utilize these applications for everyday life uses like getting directions for the nearest restaurant or ask for what is on TV tonight. This can be done using voice commands and written questions. Unfortunately, the languages that are supported today for voice control are very limited. Usually, only English is supported for the full experience. The knowledge domain of these applications also vary, and the knowledge sources are decided by the developers rather than the users.

## Goal

The goal is to bring a Siri-like mobile application to the market that is language independent, user-driven and includes some additional functionality compared to existing market solutions. Being user-driven enables the users to add to the initial knowledge of the application and provide an ever-expanding knowledge base. In the application, the user should be able to add and extract knowledge in any language using either text, voice or images, or any combination between them.

## Functionality

- It should be possible for users to add new knowledge to a common knowledge base.
- The application should be able to use image recognition to acquire and add information about objects, places etc.
- The application should provide answers using both voice from speech and text in any language. If the answer does not exist in the desired language, the application should translate an answer from an existing language.
- The application should make it possible for the user to share information on social communities like Facebook, Twitter etc.
- The application should be able to handle basic phone functionality like for example placing phone calls and sending text messages.
- The application should be able to answer questions directly as well as redirect to external resources where the information could be found. The application should only link to external resources if it cannot answer the question directly.
- The knowledge base should be quality controlled by the community.

## Customer Role

We are potential customers interested in using this application.

## Group O, Members:

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