RNS Institute of Technology, Bengaluru
Department of Computer Science and Engineering

<u>Project Proposal for Kannada and Culture Department, Govt. of Karnataka</u>

Title: SimplerMaps an android app

Preamble

The current most popular navigation app is Google Maps. Even after being so popular and widely used, it lacks a simple UI. The current Google Maps UI is cluttered with various functions and features that most people who aren't tech-savvy don't need or use at all. In turn it complicates and intimidates possible users from using the app at all.
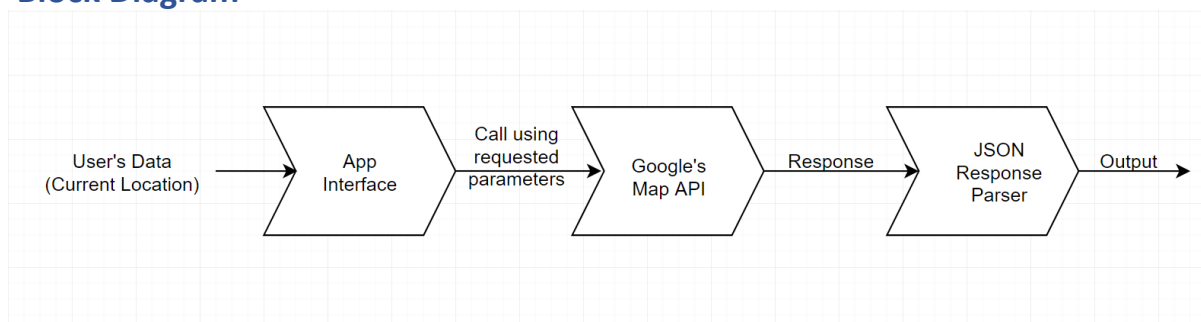
Current Technology Limitations

The current technology being widely used for navigation purpose is Google Maps. With its enormous advantages, it also has certain disadvantages

- **Language Restrictions:** Even though the places shown in the Google Maps have the local language(Kannada) translation, but the labels and text-views involved in the app are restricted to English only.
- **Complex UI:** Google Maps has a very complex UI which can be overwhelming and intimidating for a non-tech-savvy user.

Proposed Platform

The app we are developing, SimplerMaps provides an easy to understand UI which makes the purpose of navigation as simple as possible.

Block Diagram

Objective

- To eradicate language barriers by providing translations in local language for user's convenience for interaction with the app.
- To provide elegant yet minimal UI to simplify user's experience.
- To keep all the significant functionalities provided by current technologies intact.

Target Audience

SimplerMaps aims to target elderly or lesser tech-savvy demographic. Since it has an easy to use UI, it is expected to not intimidate new users for the purpose of navigation.

Functional Requirements

1. Google Maps Android API
2. Google Places API for Android

Scalability

Support can be extended to other local regional languages also.

HARDWARE REQUIREMENTS

- RAM: 8+ GB
- Disk Space: 10+ GB
- Screen Resolution: 1280 x 800

SOFTWARE REQUIREMENTS

- Android Studio
- Android SDK
- Java Development Kit

Project Associates:

Shivam Nagpal (1RN16CS098), 7406532307

Yash Vora (1RN16CS123)

Vivek Kumar Singh(1RN16CS121)

Supervision by:

Dr. G T Raju, Professor and Head, Dept. of CSE, RNS Institute Technology, Bengaluru – 98, 9448308345, gtraju1990@yahoo.com