1.1   Requirement

In a modern world the no of accidents/casualties is increasing. Children new to automobile world are also an primary victim of this. Not only new drivers but others around them are also heavily affected by their irresponsible and amateur driving skills. The need to have their parents/ guardians informed about their location and to monitor their journey is actively required. Thus this need of safety monitoring is heavily required.

1.2   Purpose

KeepEye is an Android App which will keep track of live location of children and can be accessed by the parent when the children is in drive mode. Along with childrens' live location his/her speed will also be updated and the parent/guardian will be notified when the speed is above threshold set by the parent. This will keep parent aware of the childrens' journey and can shape the child into responsible hands of wheel.

1.3   Prospective Users and Intended Audience

KeepEye is primarily focused on first time drivers or the drivers which require monitoring by the guardian. The target audience is majorly below 25 yrs. This document is intended to be read by developers, project managers, marketing staff, users, testers and document writers.

1.4   Issues / Challenges

Multiple child monitoring simultaneously for a single guardian is not currently dealt in the app . App currently deals with users of the form child or parent but not both which is a challenge in the future to the scope of the app.

Features Done according to SRS

1. **Registration**

   • To register new users as child or parent.

2. **Log In**

   • This feature is to log in already registered users into the app. Input will be log in credentials and output will be the access to profile if the credentials entered are verified.

3. **Log Out**

   • This feature will help the users to log out from their profile. No input just output out of their profile to index page.

4. **Association**

   • To establish relation between different users as child-parent. Input will be two users: 1 parent and other child and link them with the relation child-parent.

5. **Start Journey**

   • To start a journey when the child is set to start his/her journey. This feature is available for both parent and child. Input that be accessed from child profile or parent profile , have internet connectivity in both the users and output is to show the current location to both child and parent using Google Maps API.

6. **End Journey**

   • To end a journey once the parent is assured with the location and safety of the child. This feature is exclusive for the parent and act as a child-lock system. Input is ongoing journey data and output will be journey report and speed analysis will also be displayed and entire journey data will be erased from database.

7. **Dissociation**

   • This feature will help to dissociate parent and child from relation. This feature will be useful as currently we are focusing on 1 parent- 1 child relations only and will be available to parent. No Input , output is to erase already related parent-child.

Not Done:

1. **Speed Analysis**

   - This feature is to monitor child's speed in the journey so far . This feature is meant for both child and parent so as to monitor the journey so far. This will show position– speed data to the users.

2. **Set threshold**

   - This feature will ask the guardian to set the threshold speed above which he/she will be notified. This will also be used to reset previously set threshold which maybe journey respective. Input will be taken from parent and output is to associate to speed threshold instance of the user.

https://github.com/devpatel10/KeepEye