

Project Title: KidSafe – Android Parental Control

Project Type: Graduation Project

Supervisor: D. Marwa Abbas

Project Description:

Many parents believe their teens are too attached to their phones—maybe even addicted. This project aims to keep the child's activity under control by his parents.

As parents will be allowed to do the following:

- Get a list of the child's installed apps.
- Control these apps by either blocking or allowing them.
- Set a usage timer for each app individually – after which the app won't be accessible by the child.
- Set a full device usage timer and usage time periods, where the child will be allowed to use the phone.
- Get a real time location of the child.
- Set up a geofence on the child – the parents will be notified if the child leaves a specific geographical range set by the parent.
- Get the child's messages.
- Get the child's calls.
- Get the child's notifications.
- Get the child's e-mails.

Project Tools:

1. Programming Language: Java and JavaScript
2. Back End: Google's Firebase and Firestore
3. Front End: HTML, CSS and JavaScript
4. IDE: Android studio and Visual studio code
5. Sound Effects: Bfxr
6. Graphics: InkScape and GIMP

Participants

1. Mahmoud Mansour – Mobile App and Full Stack Developer
2. Khaled Samir – Mobile App and Full Stack Developer

Project Development Life Cycle:

Visit this [trello board](#) to check the progress of the project.

Project Source Code:

Visit this [github repository](#) for the source code of the project.

Notes:

1. Google's firebase and firestore is one of the best stable and widely used APIs for back end development
2. If there was still time, a dedicated back end will be done using nodejs, express and mongoDB.
3. All the used software in this project are free and open source.