**Homework 1.0**

**Task:**

Create a simple app that:

consists of at least 2 screens and some custom views

downloads **.json** with a user list from server and displays data about each user in a list view

GET - <http://mobi.connectedcar360.net/api/?op=list>

keeps user list up-to-date on daily basis

allows to select a user and downloads **.json** with current position of user vehicles (if valid cached position available - use that)

GET - <http://mobi.connectedcar360.net/api/?op=getlocations&userid={userid}>

caches last known position of each vehicle with expiration time 30 sec

displays user vehicles on a map with a custom annotation and callout that shows ***vehicle image****,* ***vehicle******name, current*** ***address*** and ***color***

reloads vehicle positions every minute while map is open

can plot a nearest route from vehicle of choice to current device location on a map

displays human-readable error if any occur

**Commentary:**

For Android use Android Studio and Kotlin. Min SDK version 28

For iOS Swift 4.2 or later. Deployment target iOS 14.0

Use local database for persistent data storage

Can support only portrait orientation

Well-considered project structure, clean code and logic will be highly valued

Attention paid to UI will be appreciated

When complete app project should be made available in a public [github.com](http://github.com/) repository