Notes:

1. The app name is DatabaseFetch.

To run it, unzip the zip file and open the folder in Xcode.

1. **Please run it in REAL DEVICE!**

The Core ML model cannot do classification using simulator

1. Please run in iPhones of large screens

The app is tested using iPhone 11 Pro Max

To get the best visual experience of the app, please run it using this model or other iPhones with slightly bigger screen sizes. If the size is too small, some features may not be shown

1. The app is using API from Google. Although I have enabled the auto payment, I have not experienced of using up all the free monthly quota (about 1000 requests), so I do not know whether the auto payment will be successful if free quota are all used up.

The app will not be able do scanning and retrieve place-related photos if payment fails, please contact me if that happens and I will try to fix it.

1. If there is error of ContentView, you can delete it and create it with the same name. It may happen because I have separated the project into parts and combined them later. The ContentView is not used, so you can feel free to delete it and create it again.
2. If the searching crashes, the reason may be that the rearrangement of data have some careless typing mistakes. Though I have checked several times, it is inevitable if there are some careless typing mistakes as I retype the fields of all 6905 rows manually. Please contact me if it crashes, I will replace the table will the original one given by the Environmental Protection Department
3. Please make sure you have granted all the required permissions, otherwise the app may not give any results.
4. Original data:

<https://data.gov.hk/en-data/dataset/hk-epd-recycteam-waste-less-recyclable-collection-points-data>

The rearranged file is attached in this folder

Location of PHP files:

<https://i.cs.hku.hk/~wkng2/recycling>

The files are also attached in this folder

Please tell me if the app cannot run, I have tested in both iphone and ipad so there should be no errors at least in programming logic.

Thank you so much for reading this!