





# OOP ASSIGNMENT 1

AN APP THAT CONVERTS CSV TO KML FILE

## GENERAL DESCRIPTION

The app receives a folder containing CSV type files that was exported from the Wigle app . The file contains WIFI points that were sampled and identify each point (For example: time, location, MAC address, signal strength and ect.) and sorts each time period and location its points by its strength  and takes the 10 strongest.

Finally, the app will export a KML file that can be opened in Google Earth or similar program

## CODERS

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## LINK TO GITHUB

[https://github.com/Ariel-OOP/Exercise\\_0/](https://github.com/Ariel-OOP/Exercise_0/)

## DESCRIPTION OF CODE FLOW

### GETTING STARTED

First place the CSV files in the FileResources folder. To start, run the app from the Main class in the Application/src folder.

### LET'S EXPLAIN – CHAPTER 1

The *OutputCSVWriter* constructor accepts the name of the output file. From there on it calls to the *sortAndMergeFiles()* function of the object which return a list that holds all the WIFI points from all the files (the outer list holds all the files and the inner list holds one CSV file that has been sorted containing only the 10 best).

Next, the *ExportTOCSV* method receives the list and will generate the final CSV final.

### THE GOOD AND GRITTY STUFF – CHAPTER 2

From there on, we will ask for the user's input from our menu to choose by which method would the user like to filter by and receive the corresponding input.

The *KmlExporter* constructor receives the final CSV file and output path. The *csvToKml* function take the previously generated filter input and create a KML file.

## REASONS WHY WE USED AN API

### COMMONS CSV

The API allows the usage of code to be more modular and can be edited easily to adapt to changes in the program more easily.

### JAK

As stated above is allows for a more modular code.



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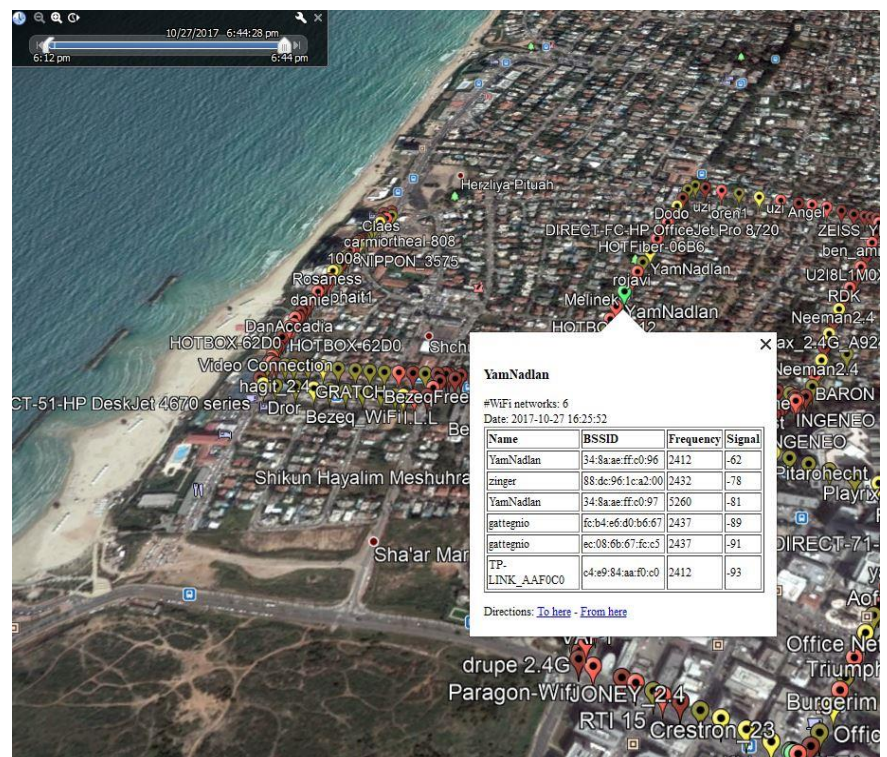
LINKEDIN URL



# YOUR NAME

AN APP THAT CONVERTS CSV TO KML FILE | LINK TO OTHER  
ONLINE PROPERTIES: PORTFOLIO/WEBSITE/BLOG

## SCREENSHOT



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