

**The problem is as follows:**

We are an asteroid surveillance center that is responsible for cataloguing and studying asteroid and carid sightings observed in a carnation of sky by a series of astronomical observatories.

A document with information about the sightings arrives at our center on a weekly basis. These are automatically performed by a number of laser probe devices spread throughout the globe. The devices, which are continuously observing the same piece of sky all of them, provide a laser matrix matching the shape of the meteorite. Depending on the device, it may have a larger or smaller observation area, but the shape of the asteroid will always have the same dimensions for all devices.

Laser matrix of device A (de\_10354) with the sighting of an asteroid:

[illegible]

Device B laser matrix (de\_00234) with the sighting of the same asteroid:


The document with the observatory information is a text document where each line corresponds to a sighting and contains the following tab-separated information:

date	time	observatory_code	device_code	device_resolution	you	haveto	de_matrix
2019-02-22	12:01:57	ob_35634	de_10354	3x7			000000100100110110000
2019-02-25	03:24:21	ob_3482734	de_00234	3x7			000000010010011011000
2019-02-25	03:27:00	ob_3482739	de_00234	3x7			001011101100000000000
2019-02-26	03:29:13	ob_3482734	de_00765	3x7			000010011110010000000

...

You want to develop a mobile application where you can view a list with the history of asteroid sighting, indicating the date, time and code of the observatory. Pressing the list item allows you to see the full detail of asteroid sighting in addition to displaying the asteroid matrix.

Considerations:

- You can use Xamarin Forms or React Native.
  - You can have the history of statically spotted asteroids in your code.
  - The use of an MVVM architecture is valued.
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