

# ***GUI Application for work with data about stolen vehicles***

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## **Problem that stated before implementation**

I was obliged to make an application for work with dataset containing stolen cars. I had to be able to upload a file with stolen vehicles, add vehicles, save it to another file, delete vehicles (optionally make a filter for vehicles and delete by filter).

## **Individual project specification**

Could find in section data on Github

## **Implementation detailes**

The most interesting detail of implementation is that i made addition function to delete rows by starting point and number of rows (to delete starting from point), and made custom QSortFilterProxyModel. It allowed me to filter multiple columns simultaneously. Although, delete with filter does not work as well as just filter because it is hard to delete rows and handle situation with displacing indices.

## **Results and discussion**

I made a sufficient application that allows user to operate with Stolen Vehicles dataset.

## **Conclusion**

There is many things to improve – for example, delete in filter option to make it faster and work without bugs.

## **Additional notes for whose, who will start an application**

You are not allowed to sort through vehicles which were added **today** because of functionality of the QtCalender. Ther can also be bugs after clicking on Delete after Filter (Save).