

Best cities of the world

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Problem statement section

I've learned how to make a simple Qt application which main goal is a parsing of the given file.

Individual problem spec

<https://www.kaggle.com/datasets/saleh846/worlds-best-cities-for-people-and-the-planet>

The dataset contains information about world's best cities for people and the planet. The fields are Clty, People, Planet, Profit, Overall, Country, Continent.

Basic features:

1. Adding, deleting and editing the rank of cities
2. Showing the best city in the world
3. Saving the dataset to a file, loading from a file
 1. Sorting the dataset by any field
 2. Filtering entries by specifying a particular value of some field. For example, only a particular country
 3. *A UI element showing the rank for the current company*

Implementation details section

All information was found in workshops, documentation and some guides in the internet. I used many tools to complete this project. Homework (contest 5) and workshop classes were good examples while making my own custom sorting. Also used many approaches we discussed during the course starting from simple if, for tools and ending with such complex constructions as pointers, references and so on.

<https://github.com/TikhonSelifanov/dsba-itop2022-hw>

Results

Program allows some basic features of parsing a csv file, loading it and saving.

Conclusion

In fact If I wouldn't do it in last days I would probably do much more because there are really lots of things which might be implemented, starting from more accurate interface and ending with translation of the whole program