

Himalayan expeditions from 1905 to 2020 year.

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(My specification will be available in the same repo as this report)

Core task:

Implement Qt application using GUI tools provided by Qt Creator, following master-detailed view pattern.

Subject area:

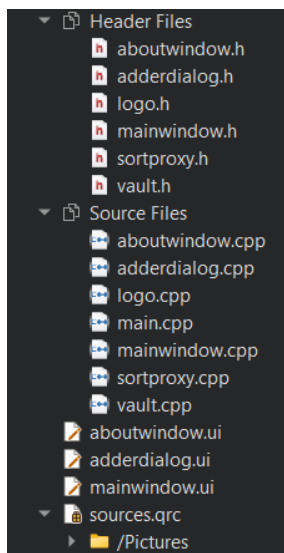
CSV file storing data about Himalayan summiters from 1905 to 2020 year.

Overall:

Qt application was done successfully, implemented some based / advanced features s.t. adding/deleting an element, sorting elements by (almost) any field, editing contents of particular climber, showing new window with student# and logo.

Details:

Structure:



1. Main Window + ProxyModel

The most important processes happen here, however it just governs everything, storing only couple of pointers inside itself. Proxy model just sorts the contents in the required way.

2. Vault

Storage for file contents and 2 models. Is capable of saving to file, loading from a file, updating a model, editing contents of a file. Basically is intermediary between MainWindow and models.

3. Adder dialog

The only purpose is to add new summitter. Summitter with empty name is not accepted.

4. AboutWindow + logo

Window with logo and student info inside, nothing special.

Results:

All required features are pretty much implemented, the only problem is with dataset(it is quite bad) and with clarity of requirments.

Conclusion:

Application can be developed further, adding some new features, however most of them are useless in terms of given task itself, and implementing such a features would be a waste of resourses.