Lab 5 in C++ OOP

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1 Preamble

The Lab contains folders, each containing an header and corresponding cpp file. The names of the folders correspond to the classes they contain.

1.1 Compilation

For compiling i use g++ and created a makefile to make the compiling process easier. Just run *"make"* within the lab directory to compile.

2 The Software

I've tried to keep redundancy away from my code. Each class is only written once and reused in this lab.

Also I have tried to use reference and *const* everywhere it made sense to do so.

I've tried to experiment with what we've learned, so I chose to use QIterators sometimes and Node pointers others. In the *HouseQ* objects i can only access the Items/Persons through iterators, so here QIterators are used exclusively. But wihtin *QList* I've mostly just used the private *next* pointers, but did also try to use QIterators here.

Also I've used classes, memberfunctions, devised in Lab 3.

Would love any feedback on good code practice.

2.1 Functions

I have a header and cpp containing some functions to be available to all files of project. These are some essentials that include name-formatting conversion from int to string and similar.

2.2 Requirements

I must say that I am not sure I've done everything I'm required to do. I don't believe the lab assignment was precise enough. I often wondered wether what was written was what It really was supposed to mean. Still I think I have made a good attempt.

3 Environment

I'm programming on an Arch Linux 64-bit system. I've got the c++ compiler installed and compile using it's g++ alias which links necessary libraries automatically. To compile i use the recommended flags: "-std=c++11 -Wall -pedantic". The flags let me choose to use c++11 standard and give me useful compiling warnings and errors.

Monday 20$^{\text{th}}$ February, 2017