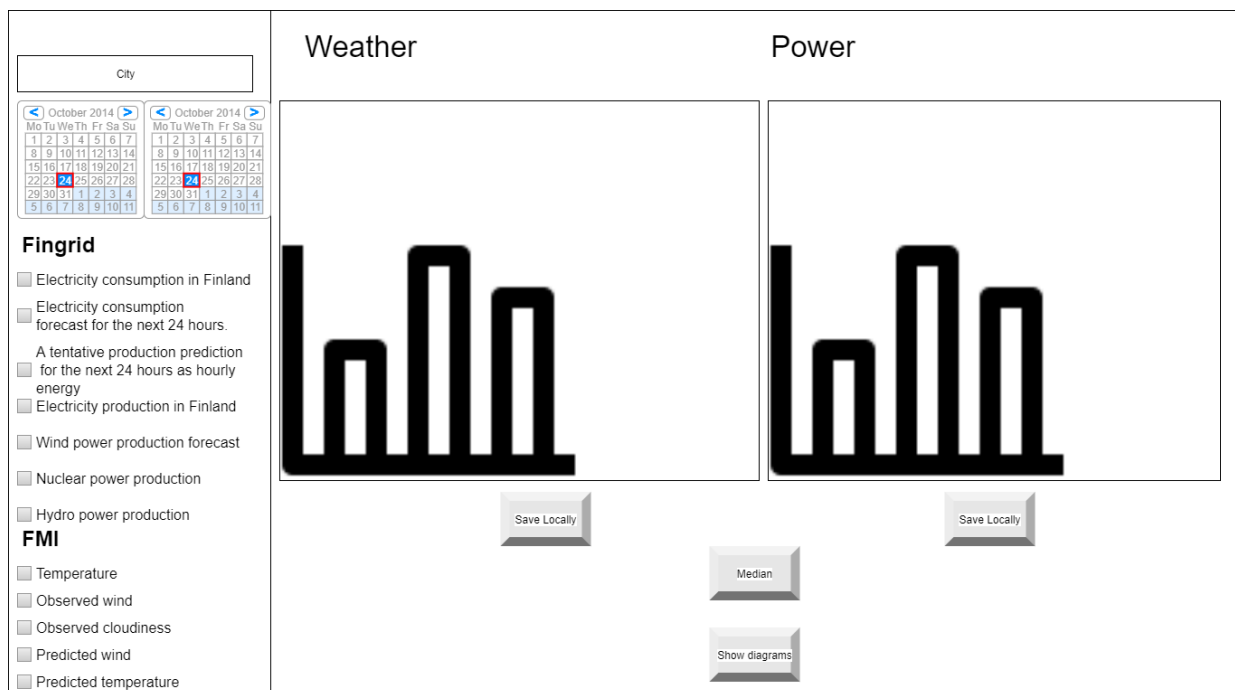


Dependencies

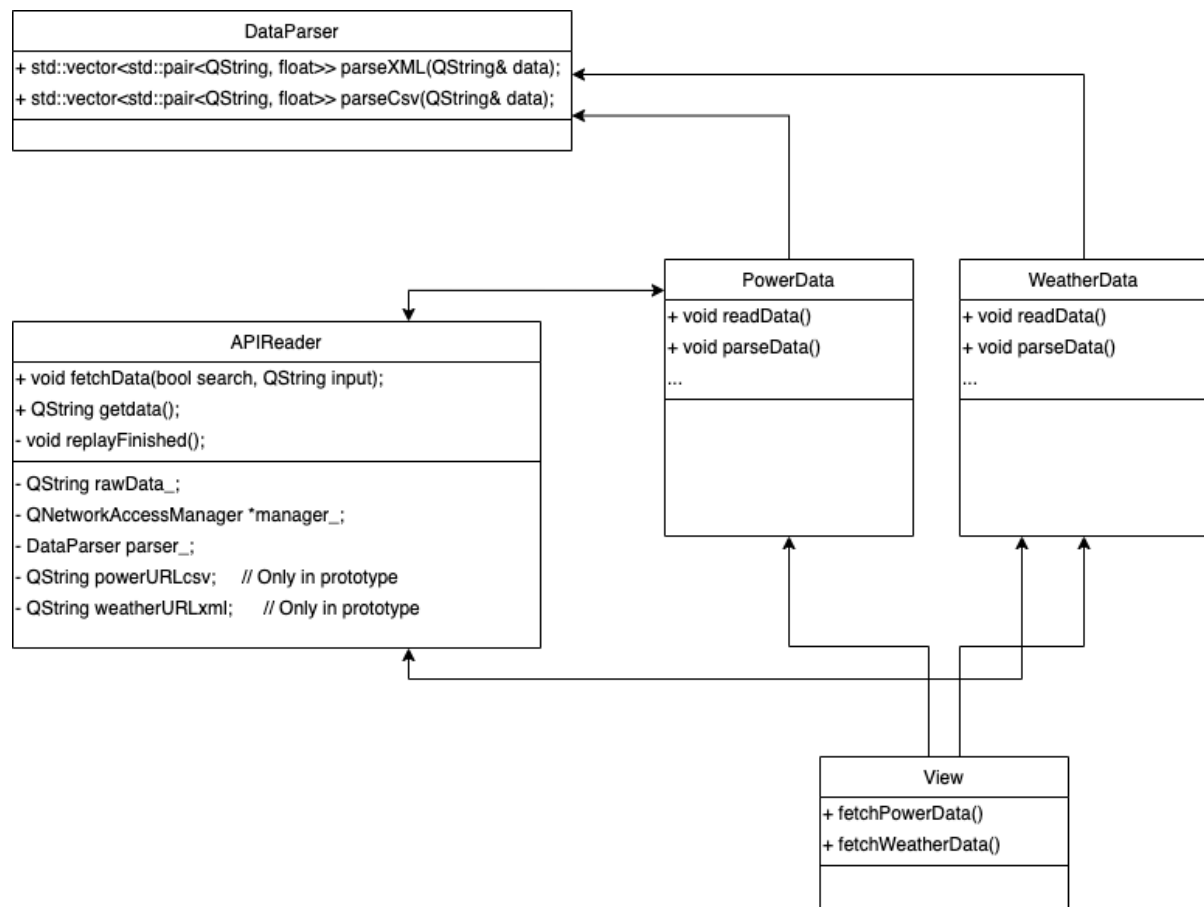
- Using QT 5.15.2, minGW 8.1.x
- QtCharts
- OpenSSL 1.1.1d or newer

Design

- Using two different controllers for power (Fingrid) and weather (FMI)
- We're using semi-active MVC (pull model)
- Using QML objects for viewing relevant data according to the user's preferences
- Backend for requesting API information is done by using C++
- Frontend is done using qml



Class diagram



Decision-making process

- Right now we're thinking of making two different models for the different APIs because the data differs too much and we couldn't find a proper relation between the two APIs. In the future if necessary we separate controller from the model classes.
- Both APIs need to be parsed separately because we get power as csv format and weather as xml format.