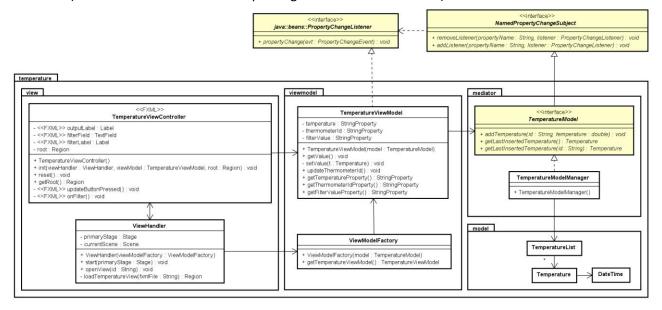
A JavaFX temperature presenter (the Thermometer exercise) using the MVVM pattern

In this exercise, you are going to transform your solution to the temperature presenter (*the exercise* presenting temperatures generated from external Thermometer threads), such that this follows the MVVM pattern.

Your solution may reflect the following class diagram but you are free to define other attributes and methods. (Note that the Thermometer updating the model is not shown)



Step 1: Split up class TemperatureViewController into two parts, a view and a viewModel (classes TemperatureViewController and TemperatureViewModel in the class diagram above)

Figure out how to implement class <code>TemperatureViewModel</code> with properties and functionality for the view (see class diagram). After the spilt-up, the class <code>TemperatureViewController</code> only present data and define the binding to the viewModel properties, and could end up like the following:

```
this.viewModel = viewModel;
this.root = root;

// TODO: Statements to bind to viewModel properties
}

public void reset()
{
    // empty
}

public Region getRoot()
{
    return root;
}

@FXML private void updateButtonPressed()
{
    viewModel.getValue();
}

@FXML private void onFilter()
{
    viewModel.updateThermometerId();
}
```

Step 2: Create class ViewModelFactory and update ViewHandler to have access to ViewModelFactory and not to the model.

Step 3: Update class MyApplication to reflect the changes – and run the main method.