

GUI Vorlesung 2019

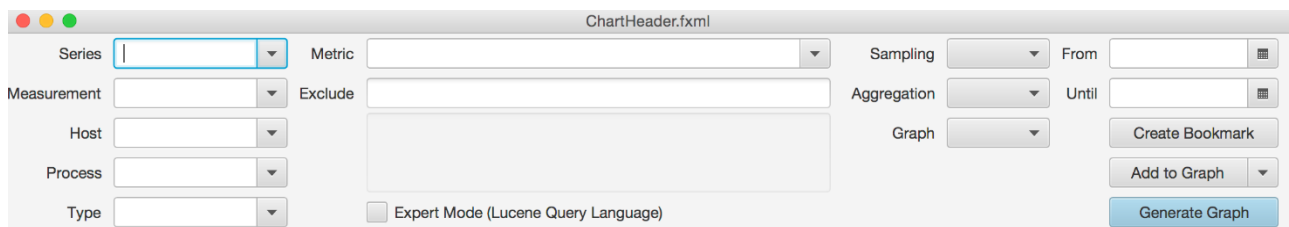
Übung 2 - Layout

Beschreibung

Ziel der Übung ist es ein typisches Eingabeformular in FXML zu erstellen. Wir benutzen dazu das Werkzeug Scene Builder.

Aufgabe 1

Erstellen Sie eine JavaFX-Oberfläche mit dem unten dargestellten Inhalt.



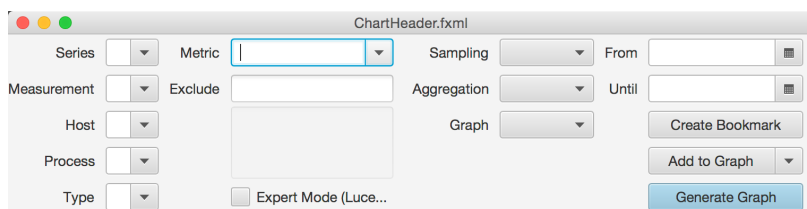
The screenshot shows a JavaFX window titled "ChartHeader.fxml". It contains a form with several input fields and buttons. On the left, there are five vertically stacked dropdown menus labeled "Series", "Measurement", "Host", "Process", and "Type". To the right of these is a large "Exclude" text area. Further right is a "Metric" dropdown menu. To the right of the "Metric" dropdown are three more dropdown menus: "Sampling", "Aggregation", and "Graph". To the right of these are two date/time input fields labeled "From" and "Until". At the bottom right, there are three buttons: "Create Bookmark", "Add to Graph" (with a small dropdown arrow), and "Generate Graph". A checkbox labeled "Expert Mode (Lucene Query Language)" is located below the "Exclude" text area.

Aufgabe 2

Die Oberfläche soll sich in horizontaler Richtung optimal an den zu Verfügung stehenden Platz anpassen.

Folgende Anforderungen sind umzusetzen:

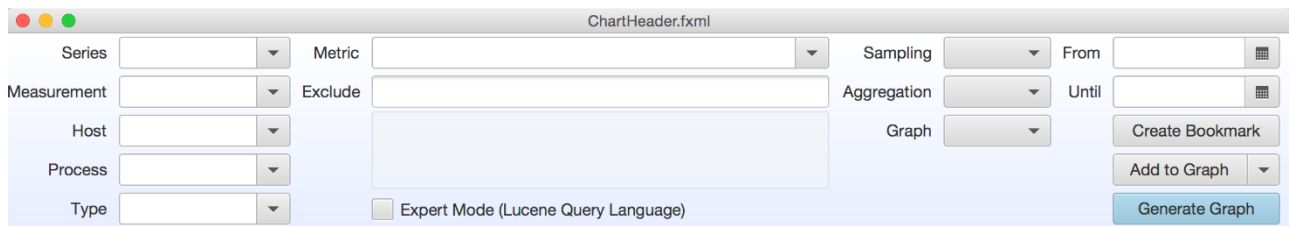
1. Die Comboboxen links verkleinern sich bis auf ein Minimum
2. Der Bereich in der Mitte (z.B. Combobox Metric) nutzt den restlichen, verfügbaren Platz.



The screenshot shows the same JavaFX window "ChartHeader.fxml" but with a different layout. The five dropdown menus on the left ("Series", "Measurement", "Host", "Process", "Type") are now significantly narrower. The "Metric" dropdown menu is now much wider, taking up more of the central space. The "Exclude" text area is also narrower. The buttons on the right ("Create Bookmark", "Add to Graph", "Generate Graph") are still present but their relative widths have changed due to the overall compacting of the layout.

Aufgabe 3 (optional)

Erstellen Sie eine CSS Datei mit einem Farbverlauf.



The screenshot shows a window titled "ChartHeader.fxml" with a light blue background. It contains several configuration options for a chart:

- Series:** A dropdown menu.
- Metric:** A dropdown menu.
- Sampling:** A dropdown menu.
- From:** A text input field with a calendar icon.
- Measurement:** A dropdown menu.
- Exclude:** A text input field.
- Aggregation:** A dropdown menu.
- Until:** A text input field with a calendar icon.
- Host:** A dropdown menu.
- Process:** A dropdown menu.
- Type:** A dropdown menu.
- Expert Mode (Lucene Query Language):** A checkbox.
- Graph:** A dropdown menu.
- Create Bookmark:** A button.
- Add to Graph:** A button with a dropdown arrow.
- Generate Graph:** A button.