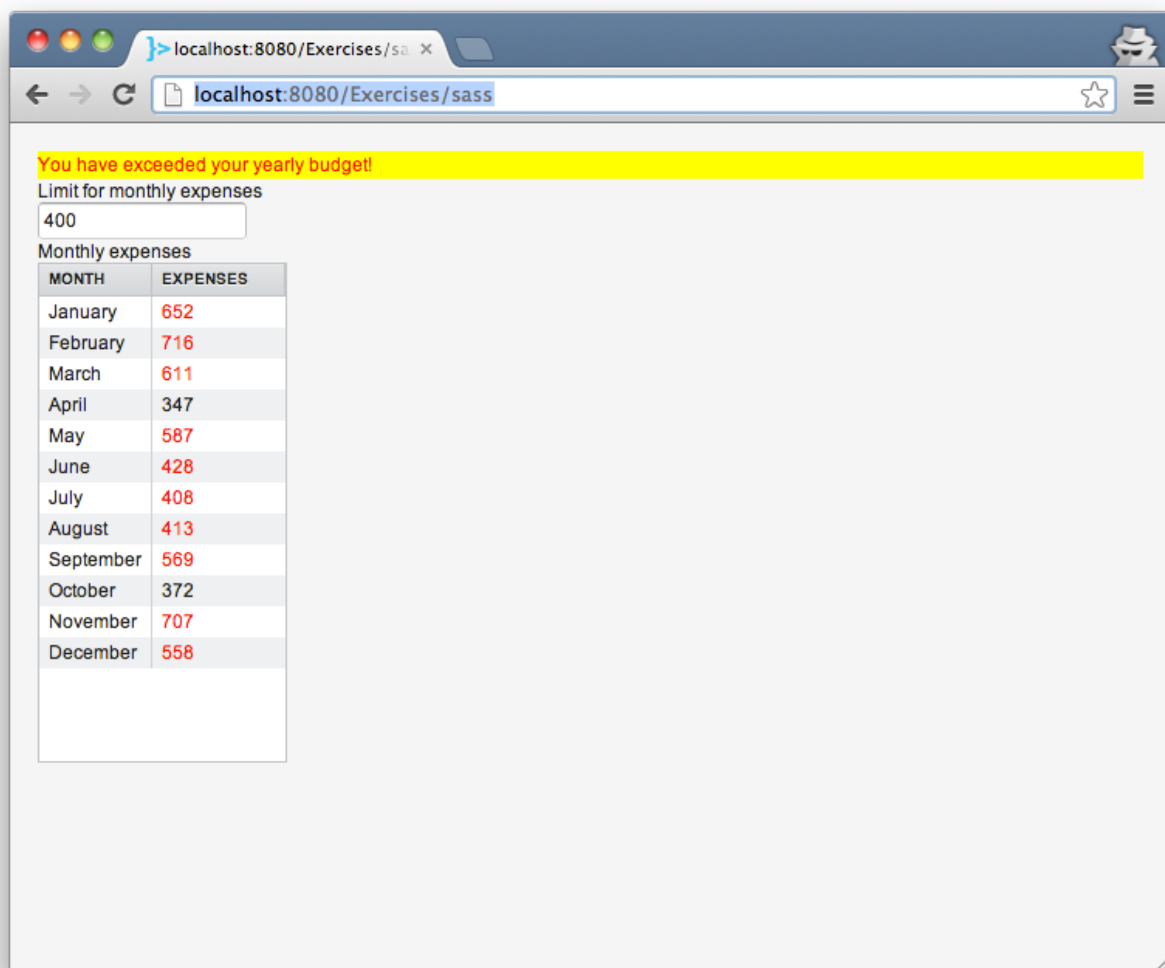


Exercise: Creating a theme

In this exercise you'll create a few simple custom style rules for your application. You should start with the ExercisesUI class provided in the exercises-themeing project.

The application has a TextField and a Grid. The grid contains a listing of expenses for 12 months. The textfield is for entering a monthly expense limit. If a month's expenses listed in the grid are higher than the expense limit defined in the textfield, then the expense cell's text should be highlighted with a red color.

If the average monthly expenses exceeds the given limit, a warning label will appear. The warning label should have a yellow background and a red text. Your customer is not completely sure about the red color for the text, all he knows is that he wants the text in the grid and in the warning label to be of the same color. To make it easier to change the color later on, make it an SCSS variable.



You'll need to do the following things:

1. The application is currently using `exercisestheme` as it's theme. First you need to change this to `expenses`.

2. Add a style name to the warning label component, so that you can apply the CSS rules only to that label.
3. Implement a StyleGenerator for the Grid column with the id “expenses” in order to define a style name for the grid cells
4. Add the corresponding CSS rules to `expences.scss`. You’ll only need to use color and background-color properties in this exercise.

Hints

- Remember how CSS attribute names are defined: `v-component-attribute-name`. Use for example Firebug or Chrome developer tools to inspect the DOM in order to find out the appropriate style names to use.
- You’ll find the project themes in `src/main/webapp/VAADIN/themes/`

Helpful links to Vaadin documentation

- [Creating and Using Themes](#)