

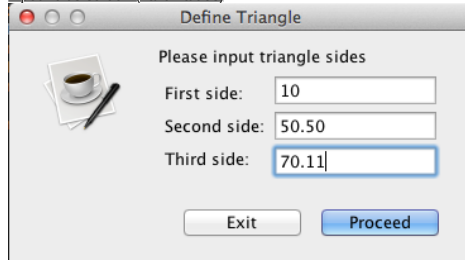
## Overview

The app implements everything exactly according to the assignment task with the following customizations:

1. The app displays all input fields just in one JPanel;
2. The app does validation of all input values, i.e. lower bound is 0.0 inclusive and upper bound is 100.0 inclusive;
3. The app displays appropriate error message in case of invalid input value:

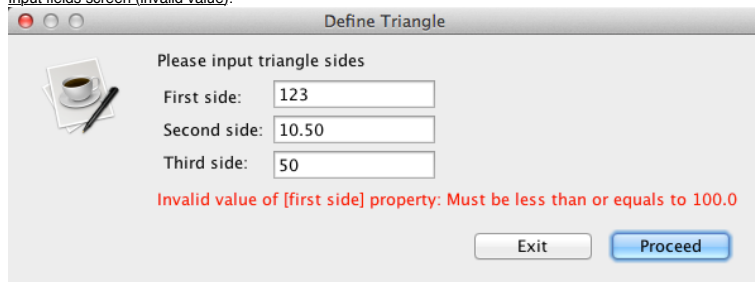
The app has only 2 screens.

Input fields screen (valid values):



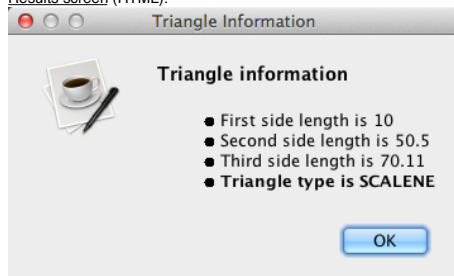
The screenshot shows a Java Swing dialog box titled "Define Triangle". It contains a small icon of a coffee cup and a pen. The text "Please input triangle sides" is displayed. There are three input fields: "First side:" with the value "10", "Second side:" with the value "50.50", and "Third side:" with the value "70.11". At the bottom, there are two buttons: "Exit" and "Proceed".

Input fields screen (invalid value):



The screenshot shows the same "Define Triangle" dialog box, but with an invalid input. The "First side:" field now contains the value "123". Below the input fields, a red error message is displayed: "Invalid value of [first side] property: Must be less than or equals to 100.0". The "Exit" and "Proceed" buttons are still at the bottom.

Results screen (HTML):



The screenshot shows a Java Swing dialog box titled "Triangle Information". It contains the same coffee cup icon. The text "Triangle information" is displayed. Below it, there is a bulleted list of results: "First side length is 10", "Second side length is 50.5", "Third side length is 70.11", and "Triangle type is SCALENE". At the bottom, there is an "OK" button.

## Validation

Triangle first side validation constraints:

- Cannot be blank;
- Should be positive number in range from 0.0 to 100.0 inclusive.

Triangle second side validation constraints:

- Cannot be blank;
- Should be positive number in range from 0.0 to 100.0 inclusive.

Triangle third side validation constraints:

- Cannot be blank;
- Should be positive number in range from 0.0 to 100.0 inclusive.

In case of validation error the app displays error message right under input fields.

## Notes

On Mac OS X no question mark icon will be shown even you select `JOptionPane.QUESTION_MESSAGE`.