

Task for Candidate

Create a webpage, for drawing rectangle SVG figure.

Near to the figure display the perimeter of the figure.

Requirements:

- The initial dimensions of the SVG figure need to be taken from JSON file.
- The user should be able to resize the figure by mouse.
- Need to display the perimeter of the figure.
- After resizing, the system must update the JSON file with new dimensions.
- When resizing rectangle finishes it should be validated at BackEnd level. If the rectangle width exceeds height it should send back error to UI . The duration of validation in BackEnd should be artificially increased to 10 seconds (To imitate long-lasting calculations)
- User can resize rectangle while previous validation is still not completed

Implement by using React (frontend) and C# (for JSON taking and saving through API).

Provide the source code with a readme file.