You were asked to provide a mouse-tracking application.

The application consists in a HTML page, loading a JS script that will do the following:

1. The user will be capable of clicking anywhere in the screen, each time the user clicks (using any button), the application will record the points

2. On top of the page add a disabled text field which will contain the validation results (id="response")

3. At the bottom of the screen there will be a button called "Submit"

4. Once the button sumbit is clicked, the application will:

4.1. Collect the points and identify if the user drew a SQUARE, a TRIANGLE, or another figure.

4.1.1 If the user drew a SQUARE, then it will calculate the figure area and create the alert: "Squared thoughts: <area>"

4.1.2 If the user drew a TRIANGLE, then it will calculate the figure area, identify the type of triangle (triangleType) and create the alert indicating what type of triangle was found, if it is Isosceles or not: "Isosceles!" || "Just another triangle"

\_Hint:\_isosceles = (b==c || a==b || c==a)) ? true : false;

4.1.3 If the user drew a random shape, calculate the traveled distance from the first click until the last one (right before pressing "Submit")

5. Once the data is ready, validate your results:

5.1. For Squares - Call https://example.org/square?area=<area>;&points=<a base64 string representation of [(x1, y1), (x2, y2), (x3, y3), (x4, y4)]> and insert the response into the response text field

5.2. For Triangles - Call https://example.org/triangle?area=<area>&type=<isosceles|other>&points=<a base64 string representation of [(x1, y1), (x2, y2), (x3, y3)]> and insert the response into the response text field \_Response is only the string "response = true;" or "response = false;" depending on the results\_

Important: Do not use AJAX for this exercise

**Observaciones:**

* Se necesita el servicio que usa esta especificación de JavaScript, es decir, necesitaran crear una aplicación web que reciba mensajes en el formato especificado en el punto 5 y valide los resultados.

**Indispensable para entregar resultados:**

* Crear un repositorio Github con su solución, enviar como respuesta el link de la solución
* También compartir su aplicación en Heroku