

Statement: You work with a client named Marcy. She is restructuring her garden and needs a tool to help her make sure every plant has the necessary space to grow. She was thinking about an app that lets her verify the distance between the plants. She would also like to know whether for a certain plant size the distance is too small or not. She is measuring the distances from the corner of the garden and luckily the fences are exactly perpendicular.



Requirements: Build a web application that has inputs for two coordinates and two radii. As the user edits a field, the values should be updated. The interface should signal the user if the two plants are too close.

Note: two plants are too close if their radii touch each-other.

Constraints: The collision algorithm should be written by hand, other than that you can use any library/framework/styling.