



Javascript Engineer Take Home Challenge

Timeframe: 24 hours to complete

We appreciate the time you have spent with Alan thus far and for making the time to complete this exercise to the best of your ability. This will help us assess your skills.

Exercise Details:

- Create a webpage with a binary search tree rendered on it.
- By pressing the spacebar the webpage should generate a new number in the range $[-100, 100]$ and add that number to the tree.
- Each number/node should be in a circle.
- The node insertion should be animated so that you can see what has changed in the tree after each insertion.
- Mouse click on a node should delete it from the tree.
- It's allowed to use third-party libraries.

Before writing any code, please create a public GitHub repository and make an initial commit for the record, then do frequent commits at least every 45 minutes to keep track of your work.

Please send us the link to your GitHub repository after you're done.

Good luck!
Alan Engineering Team.