

Technical Test American football

Rules

Touchdown: 6 points

Field goal: 3 points

PAT (point-after-touchdown): 1 point

Print every possibility of how one given score can be obtained

The result need to take care about the order, the team and the fact that PAT can occur only after a touchdown

We will try your test with big scores and we expect that your test works with such quantity of possibilities

Backend – Node JS

1. We have to be able to run the backend with the following command : `./af_scores X Y` where X it's the maximum score possible of the first team and Y the maximum score possible of the second team

Frontend - reactJS

1. one UI to enter the score of the two team
2. one button to validate the score
3. one request to the backend to ask every possibility for the given score
4. one table to print the result
5. if one of the two or the two teams has score highest than the API limit we print an alert and we do nothing

you can find an example of what we want page 2

Info

You can use any packages you want

We will check at how the code of the design is done, but the design itself doesn't matter

Remember we are going to test with very large score and expect everything work

American football

team X

6

team Y

3

ask possibility to API

team X	team Y
Touchdown	Field goal
Field goal, Field goal	Field goal