Front-End Technical Test

Overview

The main our product is pools betting. A pool consists of multiple legs, each corresponding to a sporting event. Each sport event has a number of possible outcomes, called selections (for example final scores for a football match).

Our site has the following requirements:

A. Show a list of pools
B. Allow the user to select a pool, and show the pool details.
C. Display the available selections for each leg in the pool.
D. Allow users to select one or more selection in a leg.
E. Display the total number of lines in the pool for the given selections in each leg. (see useful info)
F. Allows the user to choose a stake amount: [£2, £1, £0.50, £0.20] and show the total bet amount.
G. Place a bet

Use the JSON files below, to implement these features.

The purpose of the task it to evaluate how you approach the problem. It does not need to be perfect and it does not need to be complete. However, it must work. Spend no more than 4 hours on this task.

Please provide a repository on Github for us to see.

If you can provide a URL to see it working, even better!

API

Pool data is available from the API endpoint at pools.json

GET /pools.json
GET /pools/{id}.json - files provided with ids needed
POST /tickets.json (send any JSON object representing the selection id's, number of lines, and total cost, format is not important)

Useful Info

Example Pool
- Application
  - o leg1 - Manchester vs Chelsea
    - selections: home win, draw, away win
  - o leg2 - Arsenal vs Tottenham
    - selections:
      AOH, 3-2, 3-1, 3-0, 2-1, 2-0, 1-0, 0-0, 1-1, AOD, 0-1, 0-2, 1-2, 0-3, 1-3, 2-3, AOA

Terminology
- Leg
    - The life of a 'pool' spans multiple sporting events, called legs, each leg usually starts and finishes before the next leg
- Selection
    - Each selection represents one possible outcome of the event, for example the final score

Line
- Each unique combination of selections across legs - see below
- How to calculate number of lines:
    - If there is a 1 selection in each leg, that is 1 line
    - If there are 2 selections on one leg and 1 in every other, that is 2 lines
    - 2 selections in one leg, 2 in another and 1 in every other, that is 4 lines