THE RECRUITMENT TASK

„Adventures - it means unpleasantness, broken peace, and lack of comfort. You can be late for dinner because of such things!"

You're the only food vendor in the area – it's worth noting that you care for your customers. Some people say you have a great talent for numbers. You can calculate literally everything. Your talent and customer service are widely known in the region.

That's why a great number of travelers has come to your kingdom. These aren't the customers you see on a daily basis. You saw the opportunity right away – it's a **large group composed of**:
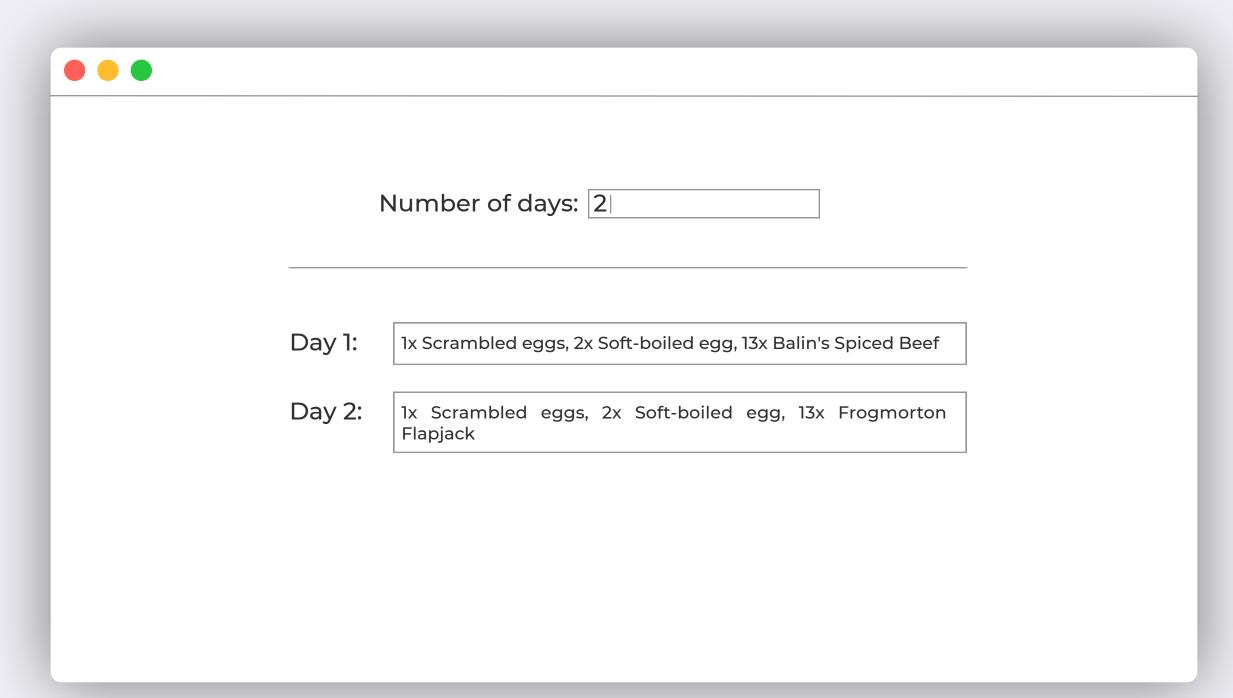

13 dwarfs   1 hobbit   1 wizard

They told you they were going on a journey, and they asked you to create an algorithm. The algorithm was supposed to help **calculate what kind of food they should take, as the duration of the journey was uncertain**. For that reason they wanted the algorithm to **calculate their demand for food dynamically, depending on the given time**.

While chatting with them you found out that **each of the dwarves was in the habit of eating Balin's Spiced Beef and a hobbit would not hit the road unless he ate a Soft-boiled egg and Mrs. Cotton's Berry Pie. A wizard said he ate Scrambled eggs every morning**. It just so happens that your shop had all the ingredients to prepare these dishes. You suggested extra items on the menu such as **Slice of Lembas Bread**, **Po-Tay-To Onion Soup**, and **Frogmorton Flapjack**.

You know from your experience that a **dwarf needs 2900 kcal**, **a hobbit 2700 kcal**, and a **wizard 3100 kcal to march for one day**.

The wizard told you that the **menu should be varied**. That's why he asked you to **avoid repeating the menu items two days in a row**. He also noted that the menu variations didn't have to be big; **it would be enough to change only one item** on the menu. He also emphasized **that the weight of the food to be carried by the group should be optimal** - he instructed you to **choose dishes that have the best weight to kcal ratio**.

Help the group and complete the task **in a form of an web app** (you can choose any technology/framework) with the following layout:

The "number of days" box should be validated, the change of a value should call function/method prepareFoodForUnexpectedJourney which takes one argument – numberOfDays: number and returns the list of days in which each day has a list of dishes for a given day. The list should be displayed below the box, which contains the number of days.

The task should be provided as a link to a public repository or a .zip file to the address provided in the e-mail.

Data concerning the dishes and ingredients (in JSON format) should be attached to this email.

If you have any doubts or questions – contact us, we're at your disposal!
Good luck!