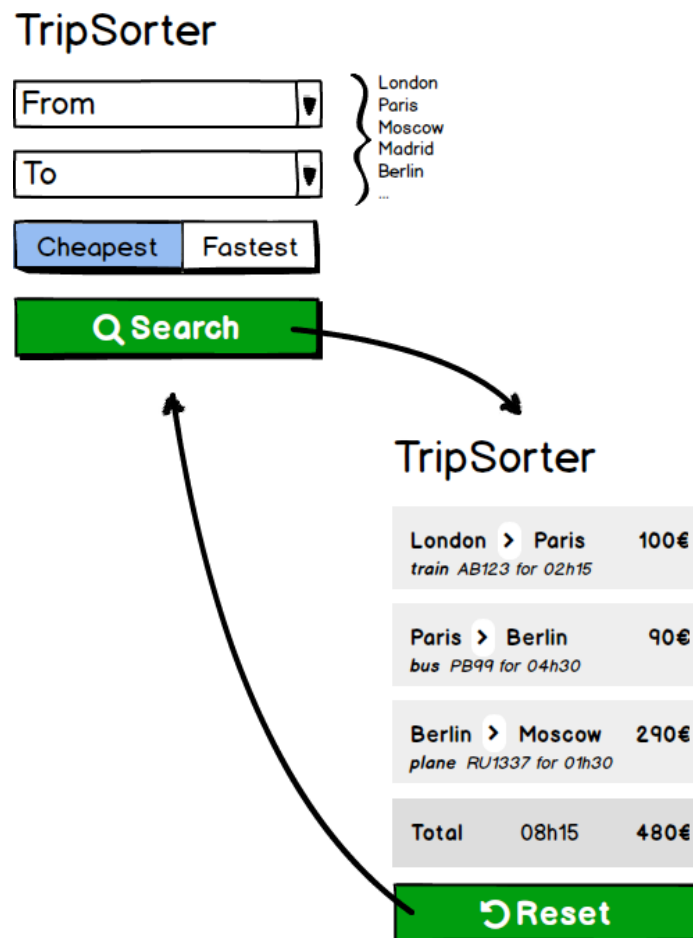A travel agency wants to create a simple Web App to help their customers find the cheapest or fastest way to travel from a city to another.

You are asked to create a simple Web App that will find the complete continuous path to go from a city to another, considering different sorting types (cheapest or fastest).

The travel agency has an existing API that will provide you all the available transportation deals.

You will find the API response in the JSON file "response.json" attached to this test. You don't need to code a server-side API, your Web App should instead load "response.json" as if it was an API response.

Your project manager provided you the following mockup as a briefing:

TripSorter

| From | ▼ |
| To | ▼ |

London
Paris
Moscow
Madrid
Berlin
...

| Cheapest | Fastest |

Q Search

TripSorter

| London > Paris | 100€ |
| train AB123 for 02h15 | |

| Paris > Berlin | 90€ |
| bus PB99 for 04h30 | |

| Berlin > Moscow | 290€ |
| plane RU1337 for 01h30 | |

| **Total** | **08h15** | **480€** |

↺ Reset

The client provided you the following API documentation for one deal:

```
{
    "transport": "train",
    "departure": "London",
    "arrival": "Amsterdam",
    "duration": {
       "h": "03",
       "m": "30"
    },
    "cost": 160,
    "discount": 50,
    "reference": "TLA0330"
  }
```

transport	train, bus, car
departure	departure city's name in English
arrival	arrival city's name in English
duration.h	trip's duration hours
duration.m	trip's duration minutes
cost	cost **not** discounted, this is the base price
discount	discount in **%** to apply to the base price
reference	deal unique reference number

This task is designed to give us an idea of:

- your ability to deliver an appropriate, simple solution to a given problem.
- how you structure your code.
- your understanding of JS functional programming.
- your complete frontend skills (**JS**, **HTML** and **CSS**).
- the efficiency of your pathfinding algorithm.
- how you select frameworks / third party libraries to help you solve a given problem.

Bonus:

- Feel free to implement any improvements that would showcase your UI/UX skills.