

# REACT exercise :: Animal in the Forest v2.0

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## Description

*Send your forest Animal on a Journey to different lands and see what item it brings back. Count the number of journeys.*

## With

- Your app `REACT exercise :: Animal in the Forest`.
- And this data structure

```
// Animal
{
  id: String,
  type: String | null,
  journeys: {
    desert: {
      no: Number,
    },
    lake: {
      no: Number,
    }
  },
  items: Array Item
  isHere: Bool,
}

// Place
{
  id: String,
  name: PlaceName,
  items: Array Item,
  image: String,
}

// Item
{
  id: String,
  name: String,
}

// PlaceName
"Desert" | "Lake"
```

## Do

1. **FIRST**, create the UI with following elements:

- `<select>` or `<input type="radio">` displaying all places (underneath the **Go on a Journey** button)
- display Animal's Items and detailed info about its Journeys (next to all other information about the Animal)

2. **THEN**, write the application's logic:

- the Animal can Journey to only one Place at a time
- when the user sends the Animal on a Journey, increment the correct Journey's **no** by 1
- when the user summons the Animal back from the Journey, give it an Item from the Items of the Place
  - the Animal can have infinite amount of Items
  - every Place starts with 3 Items
  - the Animal takes a randomly chosen Item from the array of the Place's Items
    - the Item must be deleted from the collection of Place's Items, and added to the collection of Animal's Items

## Use

- **nanoid** npm package for all **ids**
- spread operator and Array methods (**map/filter/etc**) to do CRUD operations on Items
- don't mutate the data( !)
- (OPTIONAL) **TypeScript**

## Notes

You can keep the entire App in a single Functional Component.