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let express = require("express");
let bodyParser = require("body-parser");
let router = express.Router();
let cors = require("cors");
let app = express();
let port = 3002;
app.use(cors());

// all of our routes will be prefixed with /api
app.use("/api", bodyParser.json(), router); // [use json]
app.use("/api", bodyParser.urlencoded({ extended: false })), router);

let bears = {
  list: [
    { id: 1, name: "Winnie", weight: 50, sex: "male", nickname: "eiei" },
    { id: 2, name: "Pooh", weight: 66, sex: "female", nickname: "eiei" },
  ],
};

router
  .route("/bears")
  .get((req, res) => res.json(bears)) // รับค่า

  .post((req, res) => {
    console.log(req.body);
    let newBear = {};
    newBear.id = bears.list.length
      ? bears.list[bears.list.length - 1].id + 1
      : 1;
    newBear.name = req.body.name;
    newBear.weight = req.body.weight;
    newBear.sex = req.body.sex;
    newBear.nickname = req.body.nickname;
    bears = { list: [...bears.list, newBear] };
    res.json(bears);
  });

router
  .route("/bears/:bear_id")
  .get((req, res) => {
    const bear_id = req.params.bear_id;
  });

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    const id = bears.list.findIndex((item) => +item.id === +bear_id);
    res.json(bears.list[id]);
  })
  .put((req, res) => {
    const bear_id = req.params.bear_id;
    const id = bears.list.findIndex((item) => +item.id === +bear_id);
    bears.list[id].name = req.body.name;
    bears.list[id].weight = req.body.weight;
    bears.list[id].sex = req.body.sex;
    bears.list[id].nickname = req.body.nickname;
    res.json(bears);
  })

  .delete((req, res) => {
    const bear_id = req.params.bear_id;
    console.log("bearId: ", bear_id);
    bears.list = bears.list.filter((item) => +item.id !== +bear_id);
    res.json(bears);
  });

app.use("*", (req, res) => res.status(404).send("404 Not found"));
app.listen(port || 3002, () => console.log("server is running..."));

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import React, { useState, useEffect } from "react";
import axios from "axios";

const URL = `http://localhost:3002/api/bears`;

export default () => {
  const [bears, setBears] = useState({});
  const [bear, setBear] = useState("");
  const [name, setName] = useState("");
  const [weight, setWeight] = useState(0);
  const [sex, setSex] = useState("");
  const [nickname, setNickname] = useState("");
  const getBears = async () => {
    const result = await axios.get(URL);
    setBears(result.data.list);
  };
  const getBear = async (id) => {
    const result = await axios.get(`${URL}/${id}`);
    console.log("bear id: ", result.data);
    setBear(result.data);
  };
  const addBear = async (name, weight, sex, nickname) => {
    const result = await axios.post(URL, {
      name,
      weight,
      sex,
      nickname,
    });
    console.log(result.data);
    getBears();
  };
  const deleteBear = async (id) => {
    const result = await axios.delete(`${URL}/${id}`);
    console.log(result.data);
    getBears();
  };
  const updateBear = async (id) => {
    const result = await axios.put(`${URL}/${id}`, {
      name,
      weight,
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    });
    console.log("bear id update: ", result.data);
    getBears();
  };
  const printBears = () => {
    console.log("Bears:", bears);
    if (bears && bears.length)
      return bears.map((bear, index) => (
        <li key={index}>
          {bear ? bear.name : "-"} : {bear ? bear.weight : 0} : {" "}
          {bear ? bear.sex : "-"} : {bear ? bear.nickname : "-"}
          <button onClick={() => deleteBear(bear.id)}> Delete </button>
          <button onClick={() => getBear(bear.id)}>Get</button>
          <button onClick={() => updateBear(bear.id)}>Update</button>
        </li>
      ));
    else {
      return <h2>No bears</h2>;
    }
  };
  useEffect(() => {
    getBears();
  }, []);
  return (
    <div>
      <h2>Bears</h2>
      <ul>{printBears()}</ul>
      selected bear: {bear.name} {bear.weight}
      <h2>Add bear</h2>
      Name:
      <input type="text" onChange={(e) => setName(e.target.value)} />
    <br />
      Weight:
      <input type="number" onChange={(e) => setWeight(e.target.value)} />
    <br />
      Sex:
      <input type="text" onChange={(e) => setSex(e.target.value)} />
    <br />
      Nickname:
      <input type="text" onChange={(e) => setNickname(e.target.value)} />
    <div>
      <button onClick={() => addBear(name, weight, sex, nickname)}>

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        Add new bear
    </button>
</div>
);
};
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import React, { useState, useEffect } from "react";
import useSWR, { mutate } from "swr";
import axios from "axios";
const fetcher = (url) => axios.get(url).then((res) => res.data);

const URL = "http://localhost:3002/api/bears";

const DashBoard = () => {
  const { data, error } = useSWR(URL, fetcher);
  // const [bears, setBears] = useState(data?.list || bears);
  useEffect(() => {
    mutate(URL);
  }, []);
  const printBears = () => {
    console.log("Bears:", bears);
    if (bears && bears.length)
      return bears.map((bear, index) => (
        <li key={index}>
          {bear ? bear.name : "-"} : {bear ? bear.weight : 0} : {" "}
          {bear ? bear.sex : "-"} : {bear ? bear.nickname : "-"}
        </li>
      ));
    else {
      return <h2>No bears</h2>;
    }
  };

  if (error) return <div>failed to load</div>;
  if (!data) return <div>loading...</div>;
  let bears = data.list;
  console.log("Home: ", data);
  return (
    <div>
      <p>Hello Dashboard page</p>
      {printBears()}
    </div>
  );
};

export default DashBoard;

```

