

React Session 1 & 2

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Cloning Object:

- There are 3 ways to clone objects
- 1. Using spread operator
- 2. Using Object.assign()
- 3. Using JSON.parse()

```
const x = { a: "a", b: "b", c: "c", d: "d", e: "e" };

//clone using spread operator
const fn2 = (obj) => {
  const ob = { ...obj };
  console.log(ob);
};

// clone using different functions
const fn3 = (temp) => {
  // using object assign()
  let alpha = Object.assign(temp, { x: "x" });
  console.log(temp);

  //using JSON parse()
  let beta = JSON.parse(JSON.stringify(temp));
  console.log(beta);

  alpha = { a: "z" };
  console.log("alpha: ", alpha);
  console.log("temp: ", temp);

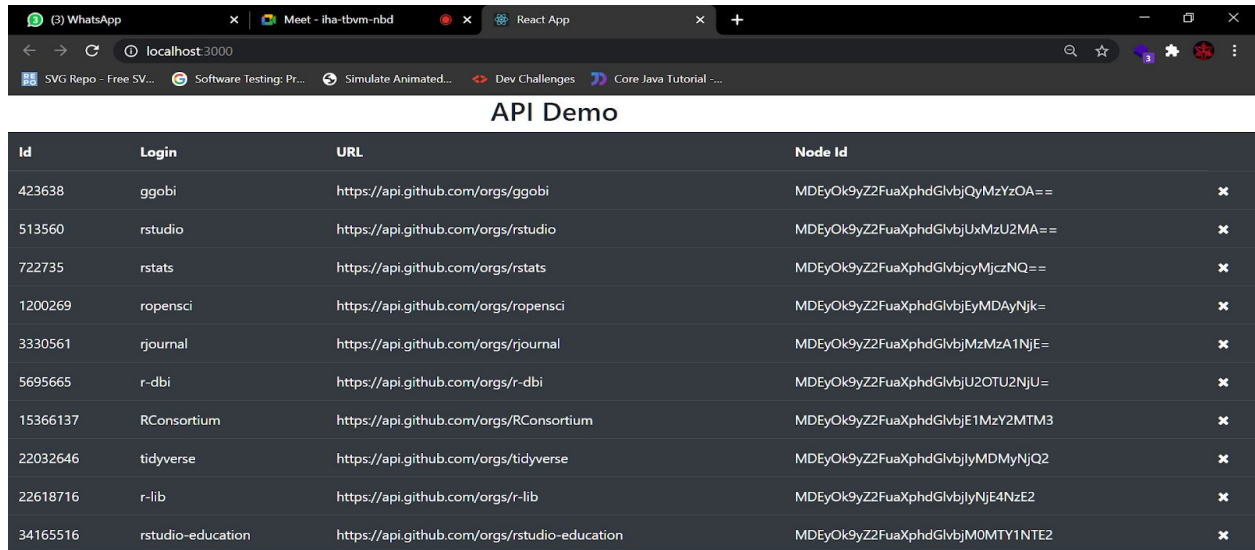
  beta = { a: "z" };
  console.log("beta: ", beta);
  console.log("temp: ", temp);
};

fn2(x);
fn3(x);
```

Demo API:

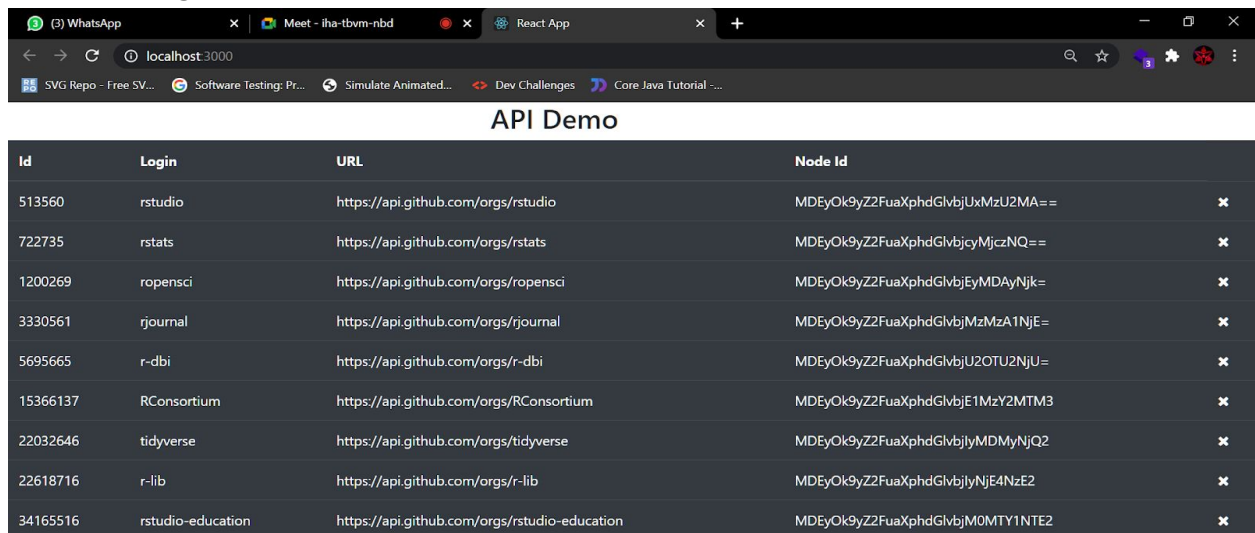
- Fetch data from using api and put result in a table
- Delete button at the end to delete the particular record locally

Before delete:



Id	Login	URL	Node Id	
423638	ggobi	https://api.github.com/orgs/ggobi	MDEyOk9yZ2FuaXphdGlvbjQyMzYzOA==	X
513560	rstudio	https://api.github.com/orgs/rstudio	MDEyOk9yZ2FuaXphdGlvbjUxMzU2MA==	X
722735	rstats	https://api.github.com/orgs/rstats	MDEyOk9yZ2FuaXphdGlvbjcyMjc2NQ==	X
1200269	ropensci	https://api.github.com/orgs/ropensci	MDEyOk9yZ2FuaXphdGlvbjEyMDAyNjk=	X
3330561	rjournal	https://api.github.com/orgs/rjournal	MDEyOk9yZ2FuaXphdGlvbjMzMzA1NjE=	X
5695665	r-dbi	https://api.github.com/orgs/r-dbi	MDEyOk9yZ2FuaXphdGlvbjU2OTU2NjU=	X
15366137	RConsortium	https://api.github.com/orgs/RConsortium	MDEyOk9yZ2FuaXphdGlvbjE1MzY2MTM3	X
22032646	tidyverse	https://api.github.com/orgs/tidyverse	MDEyOk9yZ2FuaXphdGlvbjlyMDMyNjQ2	X
22618716	r-lib	https://api.github.com/orgs/r-lib	MDEyOk9yZ2FuaXphdGlvbjlyNjE4NzE2	X
34165516	rstudio-education	https://api.github.com/orgs/rstudio-education	MDEyOk9yZ2FuaXphdGlvbjM0MTY1NTE2	X

After deleting first record:



Id	Login	URL	Node Id	
513560	rstudio	https://api.github.com/orgs/rstudio	MDEyOk9yZ2FuaXphdGlvbjUxMzU2MA==	X
722735	rstats	https://api.github.com/orgs/rstats	MDEyOk9yZ2FuaXphdGlvbjcyMjc2NQ==	X
1200269	ropensci	https://api.github.com/orgs/ropensci	MDEyOk9yZ2FuaXphdGlvbjEyMDAyNjk=	X
3330561	rjournal	https://api.github.com/orgs/rjournal	MDEyOk9yZ2FuaXphdGlvbjMzMzA1NjE=	X
5695665	r-dbi	https://api.github.com/orgs/r-dbi	MDEyOk9yZ2FuaXphdGlvbjU2OTU2NjU=	X
15366137	RConsortium	https://api.github.com/orgs/RConsortium	MDEyOk9yZ2FuaXphdGlvbjE1MzY2MTM3	X
22032646	tidyverse	https://api.github.com/orgs/tidyverse	MDEyOk9yZ2FuaXphdGlvbjlyMDMyNjQ2	X
22618716	r-lib	https://api.github.com/orgs/r-lib	MDEyOk9yZ2FuaXphdGlvbjlyNjE4NzE2	X
34165516	rstudio-education	https://api.github.com/orgs/rstudio-education	MDEyOk9yZ2FuaXphdGlvbjM0MTY1NTE2	X

Note: code is attached in the different folder