PRACTICE REPORT

Subject: Web application

Lab 4: React

Instructor: Trần Vĩnh Khiêm

Report date: 20/12/2023

1. GENERAL INFORMATION:

Class: MSIS207.O12.CTTT.1

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DETAILED REPORT

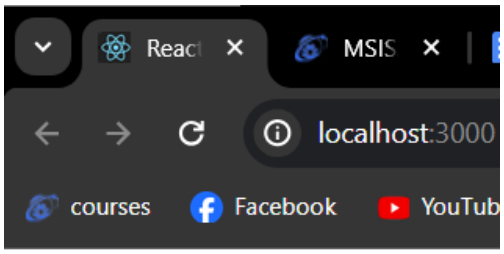
Link Github contain code:

https://github.com/KRocker3512/Web-app-practice-class

Note : If you can't access link above, please contact to me via email :20521472@gm.uit.edu.vn .

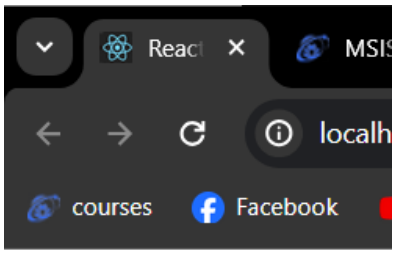
Exercise 1.1:

Demo:



ID: loading...

Name: loading...



ID: 1

Name: Adam

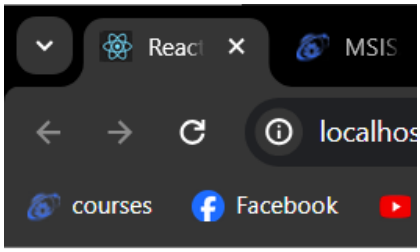
Code:

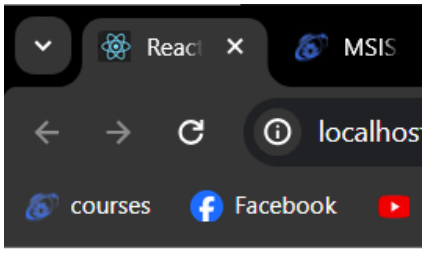
```
JS AppEx1.1.js U  JS index.js M
exercise > src > Exercise > JS AppEx1.1.js > App > React.useEffect() callback
1   import * as React from "react";
2   function fetchUser() {
3       return new Promise((resolve) =>{
4           setTimeout(() => {
5               resolve({ id: 1, name: "Adam" });
6           }, 1000);
7       });
8   }
9
10  function App() {
11      const [id, setId] = React.useState("loading...");
12      const [name, setName] = React.useState("loading...");
13      React.useEffect(() => {
14          fetchUser().then((user) => {
15              setId(user.id);
16              setName(user.name);
17          });
18      });
19      return (
20          <>
21              <p>ID: {id}</p>
22              <p>Name: {name}</p>
23          </>
24      );
25  }
26  export default App;
```

```
JS AppEx1.1.js U  JS index.js M
exercise > src > JS index.js > ...
1   import React from 'react';
2   import ReactDOM from 'react-dom/client';
3   import App1_1 from './Exercise/AppEx1.1';
4   import reportWebVitals from './reportWebVitals';
5
6   const root = ReactDOM.createRoot(document.getElementById('root'));
7   root.render(
8     <React.StrictMode>
9       <App1_1 />
10    </React.StrictMode>
11  );
12
13  reportWebVitals();
```

Exercise 1.2:

Demo:





My Page

My Feature

Code:

```
exercise > src > Component > JS MyFeature1.2.js > ...
1  import * as React from "react";
2
3  export default function MyFeature() {
4      return <p>My Feature</p>
5  };
```

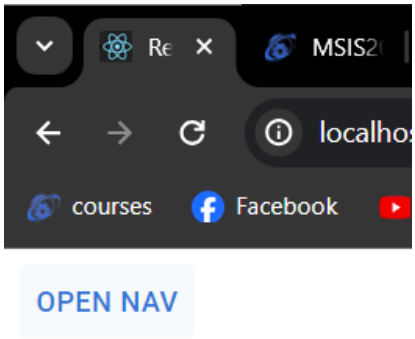
```
exercise > src > Exercise > JS AppEx1.2.js > App
1  import * as React from "react";
2  import { FadeLoader } from "react-spinners";
3  import MyPage1_2 from "../Component/MyPage1.2";
4
5  function App() {
6      return (
7          <React.Suspense fallback={<FadeLoader color={"lightblue"} size={150} />}>
8              <MyPage1_2 />
9          </React.Suspense>
10     );
11 }
12 export default App;
```

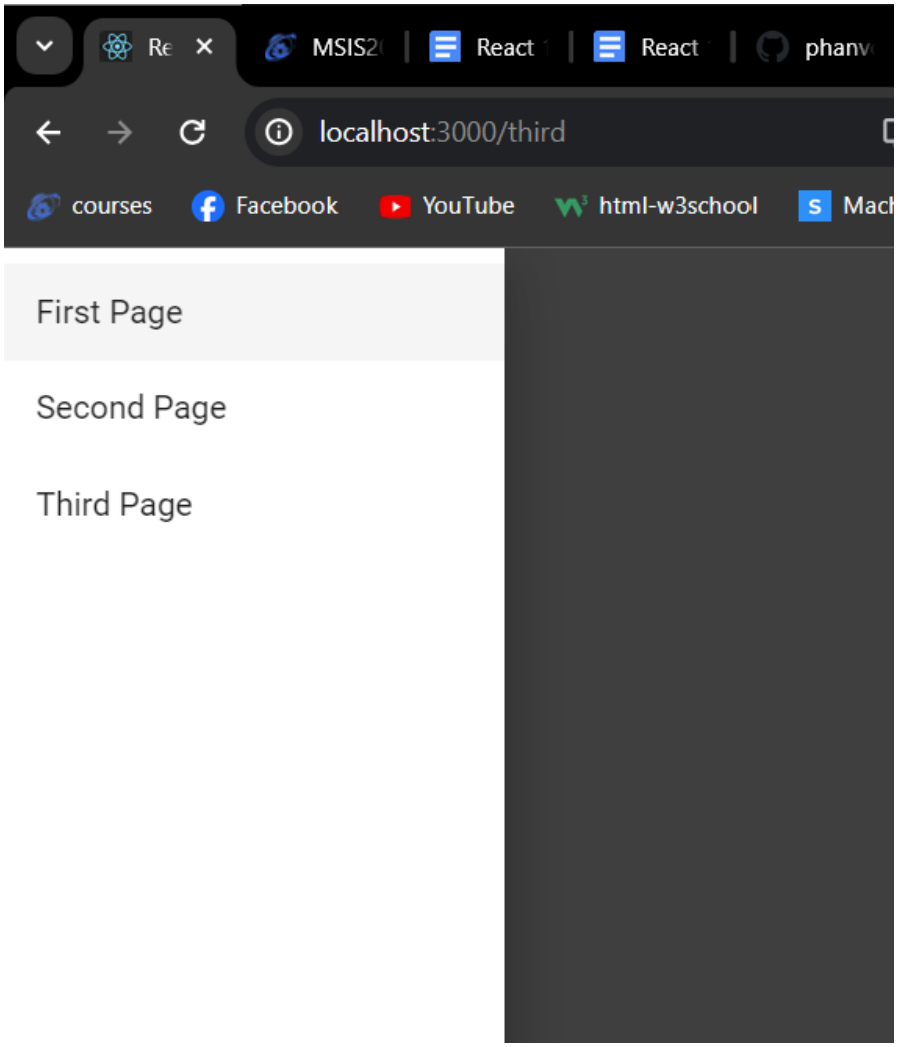
```
exercise > src > Component > JS MyPage1.2.js > ...
1  import * as React from "react";
2  const MyFeature = React.lazy(() =>
3  Promise.all([
4      import("./MyFeature1.2"),
5          new Promise((resolve) => {
6              setTimeout(() => {
7                  resolve();
8              }, 3000);
9          }),
10     ]).then(([m]) => m)
11 );
12
13 function MyPage() {
14     return (
15         <>
16             <h1>My Page</h1>
17             <MyFeature />
18         </>
19     );
20 }
21 export default MyPage;
```

```
exercise > src > JS index.js > ...
1  import React from 'react';
2  import ReactDOM from 'react-dom/client';
3  import reportWebVitals from './reportWebVitals';
4  //-----------------------------------Exercise 1.1 -> 1.2---------
5  //import App1_1 from './Exercise/AppEx1.1';
6  import App1_2 from './Exercise/AppEx1.2';
7  const root = ReactDOM.createRoot(document.getElementById('root'));
8  root.render(
9    <React.StrictMode>
10     <App1_2 />
11   </React.StrictMode>
12 );
13 reportWebVitals();
```

Exercise 1.3:

Demo:





Code:

```
import "typeface-roboto";
import React, { useState } from "react"; import Drawer from "@mui/material/Drawer";
import Button from "@mui/material/Button";
import List from "@mui/material/List";
import ListItem from "@mui/material/ListItem";
import ListItemText from "@mui/material/ListItemText";
import { BrowserRouter as Router, Route, Switch, Link } from "react-router-dom";
import First from "./First";
import Second from "./Second";
import Third from "./Third";

export default function App({ links }) {
    const [open, setOpen] = useState(false);

    function toggleDrawer({ type, key}){
        if (type === "keydown" && (key = "Tab" || key ==="Shift")) {
            return;
        }
        setOpen (!open);
```

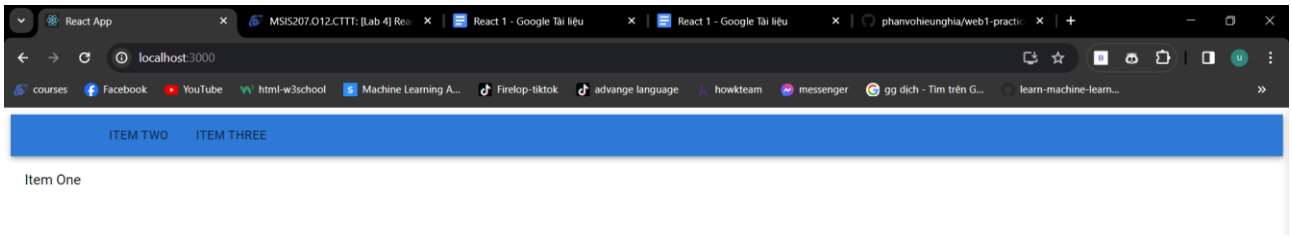
```
    }

return (
<Router>
    <Button onClick={toggleDrawer}>Open Nav</Button>
        <section>
            <Route path="/first" component={First} />
            <Route path="/second" component={Second} />
            <Route path="/third" component={Third} />
        </section>
        <Drawer open={open} onClose={toggleDrawer}>
        <Drawer open={open} onClose={toggleDrawer}>
            <div
                style={{ width: 250 }}
                role="presentation"
                onClick={toggleDrawer}
                onkeyDown={toggleDrawer}
            >
                <List>
                    {links.map((link) => (
                        <ListItem button key={link.url} component={Link}
to={link.url}>
                            <Switch>
                                <Route
                                    exact
                                    path={link.url}
                                    render={() => (
                                        <ListItemText
                                            primary={link.name}
                                            primaryTypographyProps={{ color: "primary"
}}
                                        />
                                    )}
                                />
                                <Route
                                    path="/"
                                    render={() => <ListItemText primary={link.name}
/>}
                                />
                                </Switch>
                            </ListItem>
                        ))}
                    </List>
                </div>
            </Drawer>
        </Drawer>
    </Router>
    );
```

```
}
App.defaultProps = {
    links: [
        { url: "/first", name: "First Page"},
        { url: "/second", name: "Second Page"},
        { url: "/third", name: "Third Page"},
    ],
};
```

```
//-------------------------------------Exercise 1.2-------------------------------------
import App1_3 from './Exercise/AppEx1.3';
const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
  <React.StrictMode>
    <App1_3 />
  </React.StrictMode>
);
reportWebVitals();
```

Exercise 1.3.1:

Demo:



Code:

```
import "typeface-roboto";
import React from "react";
import { BrowserRouter as Router, Route, Link } from "react-router-dom";
import AppBar from "@mui/material/AppBar";
import Tabs from "@mui/material/Tabs";
import Tab from "@mui/material/Tab";
import Typography from "@mui/material/Typography";

const tabContentStyle = {
    padding: 16,
};

function TabContainer({ value }) {
    return (
        <AppBar position="static">
            <Tabs value={value}>
                <Tab label="Item One" component={Link} to="/" />
                <Tab label="Item Two" component={Link} to="/page2" />
```

```
                <Tab label="Item Three" component={Link} to="/page3" />
            </Tabs>
        </AppBar>
    );
}

export default function App() {
    return (
        <Router>
            <Route
                exact
                path="/"
                render={() => (
                    <>
                        <TabContainer value={0} />
                        <Typography component="div" style={tabContentStyle}>
                            Item One
                        </Typography>
                    </>
                )}
            />
            <Route
                exact
                path="/page2"
                render={() => (
                    <>
                        <TabContainer value={1} />
                        <Typography component="div" style={tabContentStyle}>
                            Item Two
                        </Typography>
                    </>
                )}
            />
            <Route
                exact
                path="/page3"
                render={() => (
                    <>
                        <TabContainer value={2} />
                        <Typography component="div" style={tabContentStyle}>
                            Item Three
                        </Typography>
                    </>
                )}
            />
        </Router>
    );
}
```

```
import App1_3_1 from './Exercise/AppEx1.3.1';
const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
  <React.StrictMode>
    <App1_3_1 />
  </React.StrictMode>
);
reportWebVitals();
```

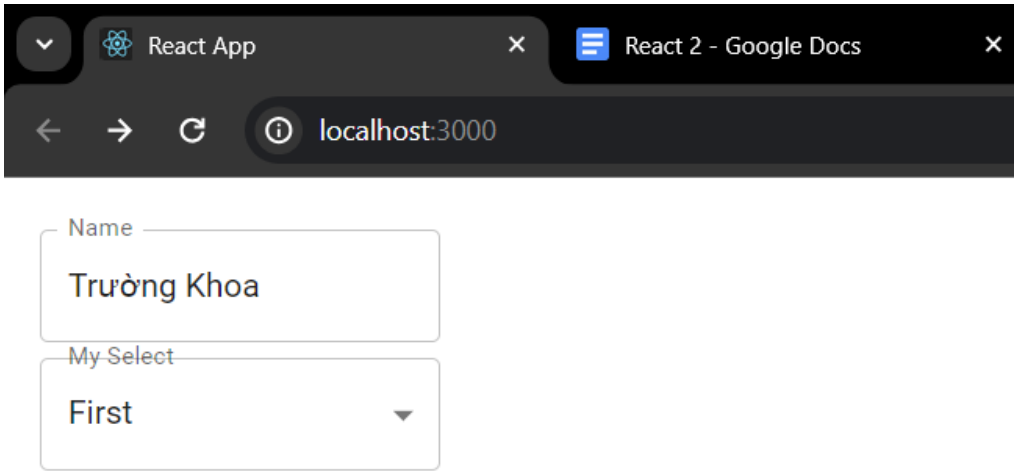
Exercise 1.3.2:

Demo:

Code:

Exercise 1.4:

Demo:



Code:

```
import React from 'react'
import "typeface-roboto"
import FormGroup from
"@mui/material/FormGroup"
import MyTextInput from
'../Component/MyTextInput'
import MySelect from '../Component/MySelect'

export default function App() {
  return (
```

```
import React, { useState } from 'react'
import TextField from "@mui/material/TextField"

export default function MyTextInput() {
    const [value, setValue] = useState("")

  return (
    <TextField
        label="Name"
        value={value}
```

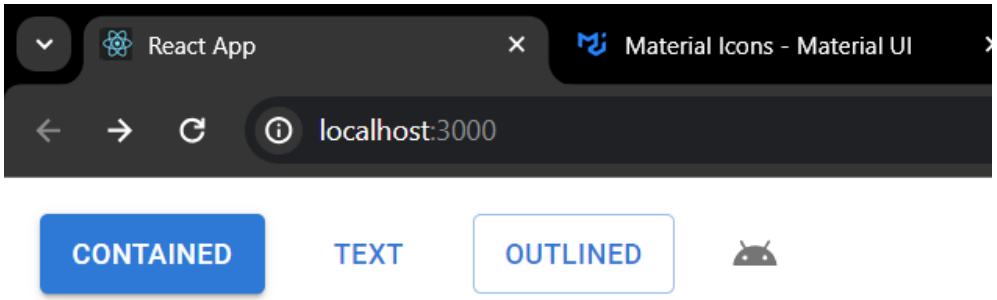
```
    <FormGroup style={{width: 200, margin: 10}}>
        <MyTextInput/>
        <MySelect/>
    </FormGroup>
  )
}
```

```
        onChange={(e) => setValue(e.target.value)}
        margin="normal"
    />
  )
}
```

```
import React, { useState } from 'react'
import InputLabel from "@mui/material/InputLabel"
import MenuItem from "@mui/material/MenuItem"
import FormControl from "@mui/material/FormControl"
import Select from "@mui/material/Select"

export default function MySelect() {
    const [value, setValue] = useState("first")

  return (
    <FormControl>
        <InputLabel htmlFor='my-select'>My Select</InputLabel>
        <Select
            value={value}
            onChange={(e) => setValue(e.target.value)}
            inputProps={{id: "my-select"}}
        >
            <MenuItem value="first">First</MenuItem>
            <MenuItem value="second">Second</MenuItem>
            <MenuItem value="third">Third</MenuItem>
        </Select>
    </FormControl>
  )
}
```

Exercise 1.5:

Demo:



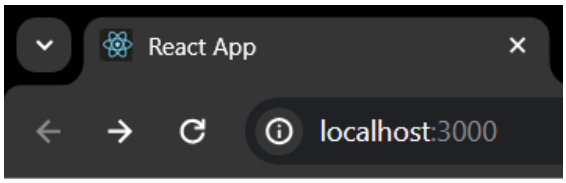
Code:

```
import "typeface-roboto"
import React, { useState } from 'react'
import Button from "@mui/material/Button"
import Grid from "@mui/material/Grid"
import IconButton from "@mui/material/IconButton"
import AndroidIcon from "@mui/icons-material/Android"

const buttonStyle = {margin: 10}

function toggleColor(setter, value) {
    setter(value === "default" ? "primary" : "default")
}

export default function App() {

    const [contained, setContained] = useState("default")
    const [text, setText] = useState("default")
    const [outlined, setOutlined] = useState("default")
    const [icon, setIcon] = useState("default")

  return (
    <Grid container>
            <Grid
                item
                component={Button}
                variant="contained"
                style={buttonStyle}
                color={contained}
                onClick={() => toggleColor(setContained, contained)}
            >
                Contained
            </Grid>

            <Grid
                item
                component={Button}
                style={buttonStyle}
                color={text}
                onClick={() => toggleColor(setText, text)}
            >
                Text
            </Grid>

            <Grid
                item
                component={Button}
                variant="outlined"
```

```
                style={buttonStyle}
                color={outlined}
                onClick={() => toggleColor(setOutlined, outlined)}
            >
                Outlined
            </Grid>

            <Grid
                item
                component={IconButton}
                style={buttonStyle}
                color={icon}
                onClick={() => toggleColor(setIcon, icon)}
            >
                <AndroidIcon/>
            </Grid>
    </Grid>
  )
}
```

Exercise 1.6:

Demo:



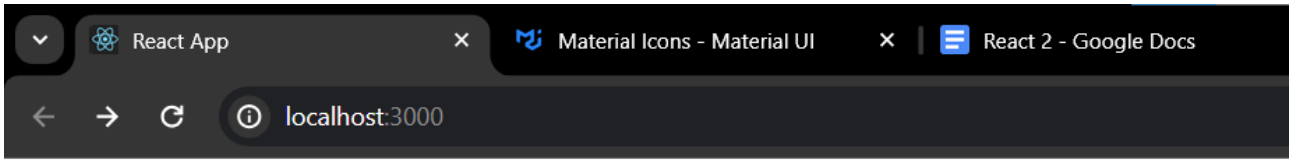
Single field

Single field

Field 1: hello there

Submit!

Current value:
{ "field1": "hello there" }
Valid?
false
Errors?
{ "field1": true }



Multiple fields

Mutiple fields

Address 1: 1 Main Street

Address 2: subset street

Price: 12

Required By: 12/04/2023

Submit!

Current value:
{ "address1": "1 Main Street", "address2": "subset street", "price": "12", "requiredBy": "2023-12-04" }
Valid?
false
Errors?
{ "address1": true, "address2": true, "price": true, "requiredBy": true }

Code:

```
import { createContext } from "react"

const FormContext = createContext({})

export default FormContext
```

```
import SimpleForm from './SimpleForm'
import InputField from './InputField'

import { useState, useEffect } from 'react'

const FormExample0 = ({ onSubmit, onChange, initialValue = {}}) => {
    const [formFields, setFormFields] = useState(initialValue)

    const [valid, setValid] = useState(true)
    const [errors, setErrors] = useState({})

    useEffect(() => {
        if(onChange) {
            onChange(formFields, valid, errors)
        }
```

```
    }, [onChange, formFields, valid, errors])

    return (
        <div className="TheForm">
            <h1>Single field</h1>

            <SimpleForm
                        value={formFields}
                        onChange={setFormFields}
                        onValid={(v, errs) => {
                            setValid(v)
                            setErrors(errs)
                        }}
            >
                <InputField
                name="field1"
                onValidate={(v) =>
                    !v || v.length < 3 ? 'Too short!' : null
                }
                />

                <button
                onClick={() => onSubmit && onSubmit(formFields)}
                disabled={!valid}
                >
                    Submit!
                </button>
            </SimpleForm>
        </div>
    )
}

export default FormExample0
```

```
import { useState, useEffect } from 'react'
import SimpleForm from './SimpleForm'
import InputField from './InputField'

const FormExample1 = ({ onSubmit, onChange, initialValue = {}}) => {
    const [formFields, setFormFields] = useState(initialValue)

    const [valid, setValid] = useState(true)
    const [errors, setErrors] = useState({})

    useEffect(() => {
        if(onChange) {
            onChange(formFields, valid, errors)
        }
```

```
    }, [onChange, formFields, valid, errors])

    return (
        <div className="TheForm">
            <h1>Mutiple fields</h1>

            <SimpleForm
            value={formFields}
            onChange={setFormFields}
            onValid={(v, errs) => {
                setValid(v)
                setErrors(errs)
            }}
            >
                <InputField
                name="address1"
                onValidate={(v) =>
                    !v || v.length < 3 ? 'Too short!' : null
                }
                />
                <InputField
                name="address2"
                onValidate={(v) => (v ? null: 'Required')}
                />

                <InputField
                name="price"
                type="number"
                onValidate={(v) =>
                    !v || parseInt(v) < 102 ? 'Must be at least 102!' : null
                }
                />

                <InputField
                name="requiredBy"
                type="date"
                onValidate={(v) => (v ? null: 'Required')}
                />

                <button
                onClick={() => onSubmit && onSubmit(formFields)}
                disabled={!valid}
                >
                    Submit!
                </button>
            </SimpleForm>
        </div>
    )
```

```
}

export default FormExample1
```

```
import { useState, useEffect, useContext } from "react"
import FormContext from "./FormContext"

const splitCamelCase = (s) =>
    s
      .replace(/([a-z0-9])([A-Z0-9])/g, "$1 $2")
      .replace(/^([a-z])/, (x) => x.toUpperCase())

const InputField = (props) => {
    const form = useContext(FormContext)

    const [error, setError] = useState('')

    const { onValidate, name, label, ...otherProps} = props

    let value = form.value && form.value(name)

    useEffect(() => {
        if(onValidate) {
            setError(onValidate(value))
        }
    }, [onValidate, value])

    const setInvalid = form.setInvalid

    useEffect(() => {
        if(setInvalid){
            setInvalid(name, error)
        }
    }, [setInvalid, name, error])

    if(!form.value){
        return "InputField should be wrapped in a for"
    }
  return (
    <div className="InputField">
        <label htmlFor={name}>{label || splitCamelCase(name)}:</label>
        <input
        id={name}
        onBlur={() => form.setDirty(name)}
        value={value || ''}
        onChange={(event) => {
            form.setDirty(name)
            form.setValue(name, event.target.value)
```

```
        }}
        {...otherProps}
         />{' '}
         {
            <div className="InputField-error">
                {form.isDirty(name) && error ? error : <> </>}
            </div>
         }
    </div>
  )
}

export default InputField
```

```
const ShowData = ({formFields, valid, errors}) => (
    <div className="ShowData">
        <dl>
            <dt>Current value:</dt>
            <dd>{JSON.stringify(formFields, null, 2)}</dd>
            <dt>Valid?</dt>
            <dd>{JSON.stringify(valid)}</dd>
            <dt>Errors?</dt>
            <dd>{JSON.stringify(errors, null, 2)}</dd>
        </dl>
    </div>
)

export default ShowData
```

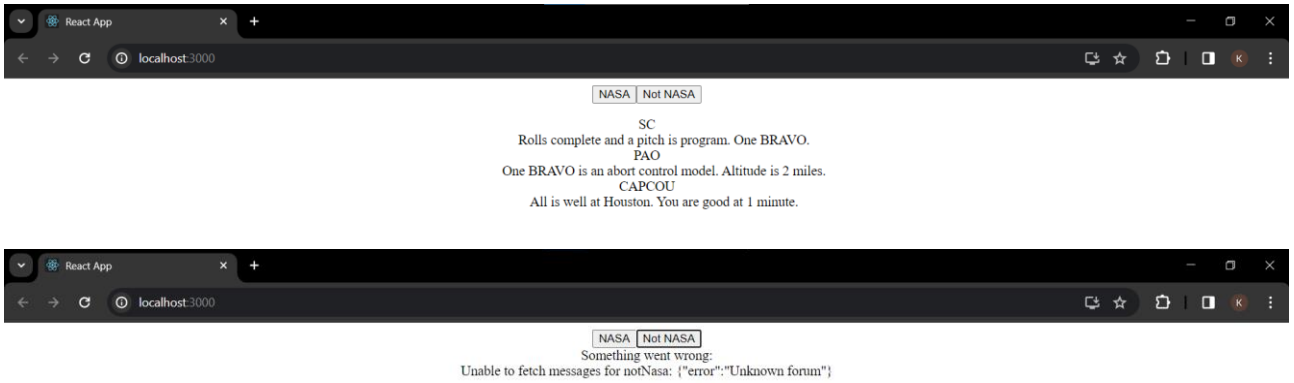
```
import { useCallback, useState, useEffect } from "react"
import FormContext from "./FormContext"

const SimpleForm = ({ children, value, onChange, onValid}) => {
    const [values, setValues] = useState(value || {})
    const [dirtyFields, setDirtyFields] = useState({})
    const [invalidFields, setInvalidFields] = useState({})

    useEffect(() => {
        setValues(value || {})
    }, [value])

    useEffect(() => {
        if(onChange){
            onChange(values)
        }
    }, [onChange, values])
```

```
    useEffect(() => {
        if(onValid){
            onValid(
                Object.keys(invalidFields).every((i) => !invalidFields[i]),
                invalidFields
            )
        }
    }, [onValid, invalidFields])

    const setValue = useCallback(
        (field, v) => setValues((vs) => ({...vs, [field]: v})),
        [setValues]
    )
    const getValue = useCallback((field) => values[field], [values])
    const setDirty = useCallback(
        (field) => setInvalidFields((df) => ({...df, [field]:true})),
        [setDirtyFields]
    )

    const getDirty = useCallback(
        (field) => Object.keys(dirtyFields).includes(field),
        [dirtyFields]
    )

    const setInvalid = useCallback(
        (field, error) => {
            setInvalidFields((i) => ({
                ...i,
                [field]: error ? error : undefined,
            }))
        },
        [setInvalidFields]
    )

    const form = {
        setValue: setValue,
        value: getValue,

        setDirty: setDirty,
        isDirty: getDirty,

        setInvalid: setInvalid,
    }

    return(
        <div className="SimpleForm-container">
            <FormContext.Provider value={form}>
                {children}
```

```
            </FormContext.Provider>
        </div>
    )
}

export default SimpleForm
```

Exercise 1.7:

Demo:



Code:

Client :

```
import { useState, useEffect } from "react";

const useMessages = (forum) => {
  const [data, setData] = useState([]);
  const [loading, setLoading] = useState(false);
  const [error, setError] = useState(null);

  useEffect(() => {
    let didCancel = false;
    setError(null);
      if (forum) {
        ; (async () => {
        try {
          setLoading(true);
          const response = await fetch(
            `http://localhost:5000/messages/${forum}`, {method :"GET"}
          );
          if (!response.ok) {
            const text = await response.text()
            throw new Error(
                `Unable to fetch messages for ${forum}: ${text}`
            )
          }
```

```
          const body = await response.json();
          if (!didCancel) {
            setData(body);
          }
        } catch (err) {
          setError(err);
        } finally {
          setLoading(false);
        }
      })()
    } else {
        setData([]);
        setLoading(false);
    }

    return () => {
      didCancel = true;
    }
  }, [forum])

  return { data, loading, error }
};

export default useMessages;
```

```
import { useState } from "react";
import useMessages from "../Component/useMessages";

function App() {
  const [forum, setForum] = useState("nasa");
  const {
    data: messages,
    loading: messagesLoading,
    error: messagesError,
  } = useMessages(forum);

  return (
    <div className="App">
      <button onClick={() => setForum("nasa")}>NASA</button>
      <button onClick={() => setForum("notNasa")}>Not NASA</button>
      {messagesError ? (
        <div className="error">
          Something went wrong:
          <div className="error-contents">
            {messagesError.message}
          </div>
        </div>
      ) : messagesLoading ? (
```

```
        <div className="loading">Loading...</div>
      ) : messages && messages.length ? (
        <dl>
          {messages.map((m) => (
            <>
                <dt>{m.author}</dt>
                <dd>{m.text}</dd>
            </>
          ))}
        </dl>
      ) : (
        "No messages"
      )}
    </div>
  );
}

export default App;
```

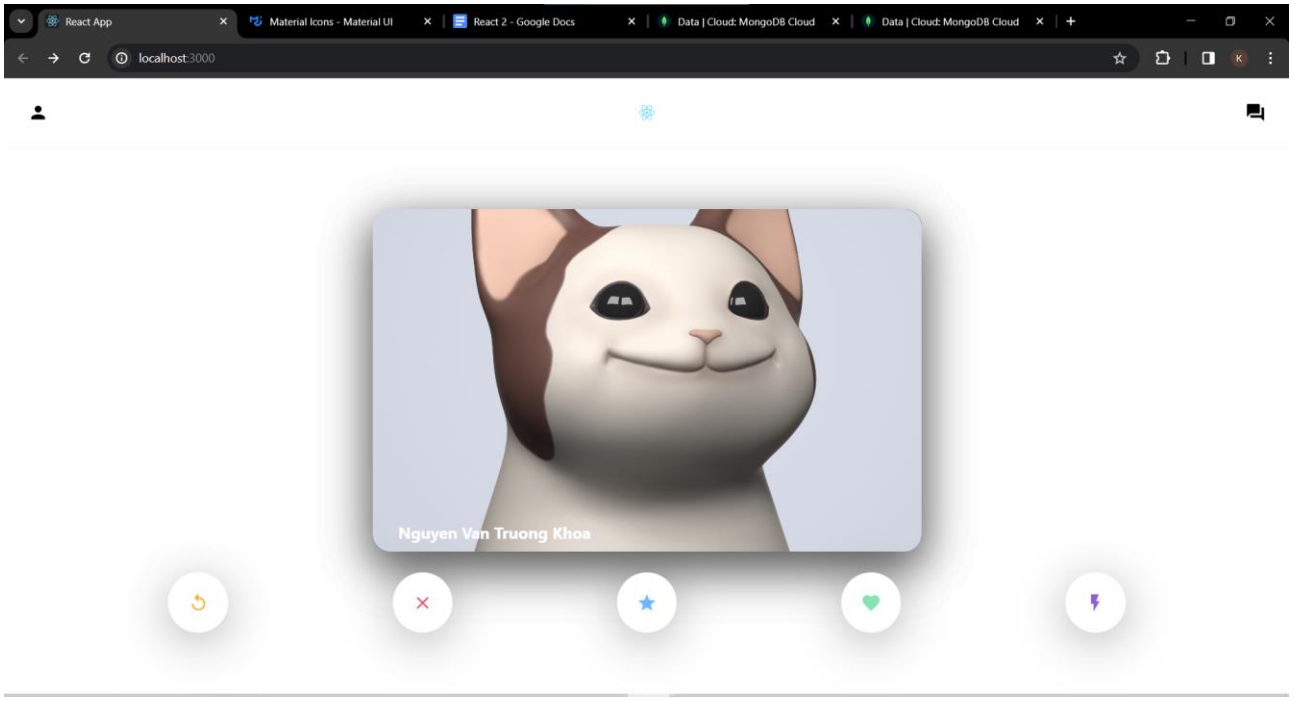
Server

```
const cors = require("cors");
const express = require("express");
const app = express();

app.use(express.json());
app.use(cors());

const messages = [
  {
    author: "SC",
    text: "Rolls complete and a pitch is program. One BRAVO.",
  },
  {
    author: "PAO",
    text: "One BRAVO is an abort control model. Altitude is 2 miles.",
  },
  {
    author: "CAPCOU",
    text: "All is well at Houston. You are good at 1 minute.",
  },
];

app.get('/messages/:forum', (request, response) => {
  if (request.params && request.params.forum === 'nasa') {
    return response.send(messages);
  }
  return response.status(404).send({ error: "Unknown forum" });
});
```

```
app.post("/messages/:forum", (request, response) => {
  if (request.params && request.params.forum === 'nasa') {
    messages.push(request.body);
    return response.send("OK");
  }
  return response.status(404).send({ error: "Unknown forum" });
});

app.listen(5000, () => console.log("Launched on port 5000!"));
```

Exercise 2:

Demo:



Code:

Front-end:

```
import DatingCards from './components/datingcard/DatingCard';
import Header from './components/header/Header';
import SwipeButtons from './components/swipebutton/SwipeButtons';

function App() {
    return (
        <div className="app">
            <Header />
            <DatingCards />
            <SwipeButtons />
```

```
        </div>
    );
}

export default App;
```

DatingCards:

```
import axios from 'axios';
import React, { useEffect, useState } from 'react';
import TinderCard from 'react-tinder-card';
import './DatingCards.css';

const DatingCards = () => {
    const [people, setPeople] = useState([]);

    useEffect(() => {
        async function fetchData() {
            const req = await axios.get('http://localhost:4000/dating/cards');
            setPeople(req.data);
        }
        fetchData();
    }, []);

    const swiped = (direction, nameToDelete) => {
        console.log('receiving' + nameToDelete);
    };

    const outOfFrame = (name) => {
        console.log(name + 'left the screen!!');
    };
    return (
        <div className="datingCards">
            <div className="datingCards__container">
                {people.map((person) => (
                    <TinderCard
                        className="swipe"
                        key={person.name}
                        preventSwipe={['up', 'down']}
                        onSwipe={(dir) => swiped(dir, person.name)}
                        onCardLeftScreen={() => outOfFrame(person.name)}
                    >
                        <div style={{ backgroundImage: `url(${person.imgUrl})`,
                                      backgroundSize: 'cover' }}
className="card">
                            <h3>{person.name}</h3>
                        </div>
                    </TinderCard>
                ))}
```

```
            </div>
        </div>
    );
};

export default DatingCards;
```

```
.datingCards__container{
    display: flex;
    justify-content: center;
    margin-top: 10vh;
}

.card{
    position: relative;
    background-color: white;
    width: 600px;
    padding: 20px;
    max-width: 85vw;
    height: 50vh;
    box-shadow: 0px 18px 53px 0px rgba(0, 0, 0, 0.3);
    border-radius: 20px;
    background-size: contain;
    background-position: center;
    background-repeat: no-repeat;
}

.swipe{
    position: absolute;
}

.cardContent{
    width: 100%;
    height: 100%;
}

.card h3{
    position: absolute;
    bottom: 0;
    margin: 10px;
    color: white;
}



*{
  margin: 0;
  padding: 0;
```

```
}
```

Header

```
import PersonIcon from '@mui/icons-material/Person';
import ForumIcon from '@mui/icons-material/Forum';
import { IconButton } from '@mui/material';
import './Header.css';

import React from 'react';

const Header = () => {
    return (
        <div className="header">
            <IconButton>
                <PersonIcon fontsize="large" className="header__icon" />
            </IconButton>
            <img width="20px" height="20px" className="header__logo"
src="logo192.png" alt="header" />
            <IconButton>
                <ForumIcon fontsize="large" className="header__icon" />
            </IconButton>
        </div>
    );
};

export default Header;
```

```
.header {
    display: flex;
    align-items: center;
    justify-content: space-between;
    z-index: 100;
    border-bottom: 1px solid #f9f9f9;
}

.header__logo {
    object-fit: contain;
    height: 40px;
}

.header__icon {
    padding: 20px;
    color: black;
}
```

Swipebutton:

```
import React from "react";
import "./SwipeButtons.css";
```

```
import ReplayTwoToneIcon from '@mui/icons-material/ReplayTwoTone';
import CloseTwoToneIcon from '@mui/icons-material/CloseTwoTone';
import StarIcon from '@mui/icons-material/Star';
import FavoriteIcon from '@mui/icons-material/Favorite';
import FlashOnTwoToneIcon from '@mui/icons-material/FlashOnTwoTone';
import { IconButton } from '@mui/material';

const SwipeButtons = () => {
    return (
        <div className="swipeButtons">
            <IconButton>
                <ReplayTwoToneIcon className="swipeButtons__repeat" />
            </IconButton>
            <IconButton>
                <CloseTwoToneIcon className="swipeButtons__left" />
            </IconButton>
            <IconButton>
                <StarIcon className="swipeButtons__star" />
            </IconButton>
            <IconButton>
                <FavoriteIcon className="swipeButtons__right" />
            </IconButton>
            <IconButton>
                <FlashOnTwoToneIcon className="swipeButtons__lightning" />
            </IconButton>
        </div>
    );
};

export default SwipeButtons;
```

```
.swipeButtons {
    position: fixed;
    bottom: 10vh;
    display: flex;
    width: 100%;
    justify-content: space-evenly;
}

.swipeButtons .MuiIconButton-root {
    background-color: white;
    box-shadow: 0px 10px 53px 0px rgba(0, 0, 0, 0.3) !important;
}

.swipeButtons__repeat {
    padding: 1vw !important;
```

```
    color: #f5b748 !important;
}

.swipeButtons__left {
    padding: 1vw !important;
    color: #ec5e6f !important;
}

.swipeButtons__star {
    padding: 1vw !important;
    color: #62b4f9 !important;
}

.swipeButtons__right {
    padding: 1vw !important;
    color: #76e2b3 !important;
}

.swipeButtons__lightning {
    padding: 1vw !important;
    color: #915dd1 !important;
}
```

```
import axios from 'axios'

const baseURL = "http://localhost:4000/dating/cards";
const instance = axios.create({
    baseURL: baseURL
})

export default instance;
```

Backend

Card model

```
const mongoose = require('mongoose');

const cardSchema = mongoose.Schema({
    name: String,
    imgUrl: String
})

module.exports = mongoose.model('Card', cardSchema)
```

Server

```
const mongoose = require('mongoose');
const Card = require('./CardsModel.js');
require('dotenv').config();
const cors = require('cors');
```

```
const express = require('express');


const app = express()
const port = process.env.PORT
const connection_url =
'mongodb+srv://20521472:nguyenvantruongkhoa20521472@cluster0.cz6lnjt.mongodb.net/
?retryWrites=true&w=majority'
app.use(express.json())
app.use(cors())

try {
    mongoose.connect(connection_url);
    console.log('database successfully connected');
} catch (error) {
    throw error;
}


app.get("/", (req, res) => res.status(200).send("Hello TheWebDev"))

app.post("/dating/cards", (req, res) => {
    const dbCards = req.body
    console.log(dbCards);
    Card.create(dbCards, (err, data) => {
        if (err) {
            res.status(500).send(err)
        } else {
            res.status(201).send(data)
        }
    })
})

app.get("/dating/cards", (req, res) => {
    Card.find((err, data) => {
        if (err) {
            res.status(500).send(err)
        } else {
            res.status(201).send(data)
        }
    })
})

app.listen(port, () => console.log(`Listening on localhost:
http://localhost:${port}`))
```