**PRACTICE REPORT**

**Subject: Web application**

**Lab 3: ReactJS**

*Instructor: Trần Vĩnh Khiêm*

*Report date: 2/11/2023*

1. **GENERAL INFORMATION:**

Class: MSIS207.O12.CTTT.1

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Name** | **Student ID** | **Email** |
| 1 | Nguyễn Văn Trường Khoa | 20521472 | [20521472@gm.uit.edu.vn](mailto:20521472@gm.uit.edu.vn) |
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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 0 :**

Demo:

A screenshot of a computer

Description automatically generated

Code:

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**Exercise 0.1 :**

Demo:

A screenshot of a computer

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Code:

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**Exercise 0.2 :**

Demo:

A screenshot of a computer

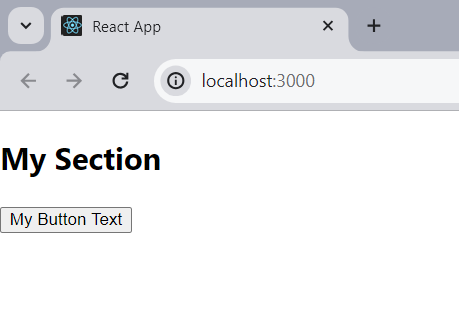
Description automatically generated

Code :

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**Exercise 0.3 :**

Demo:



Code :

|  |  |
| --- | --- |
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A screen shot of a computer

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**Exercise 0.4 :**

Demo:

A screenshot of a computer

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Code:

|  |  |
| --- | --- |
|  |  |

**Exercise 1.0 :**

Demo:

A screenshot of a computer

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Code :

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**Exercise 1.1 :**

Demo:

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A screenshot of a computer

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Code:

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**Exercise 1.2 :**

Demo:

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Code :

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A screenshot of a computer program

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**Exercise 1.3 :**

Demo:

A screenshot of a computer

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Code:

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**Exercise 2.1 :**

Demo:

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Code:

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**Exercise 2.2 :**

Demo:

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Code:

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**Exercise 2.3 :**

Demo:

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Code :

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**Exercise 3 :**

Demo:

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Code:

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**Exercise 4.1 :**

Demo:

A screenshot of a computer

Description automatically generated

Code :

|  |
| --- |
| //---------------------------------Exercise 4.1----------------------------------  import React from 'react';  import ReactDOM from 'react-dom/client';  import reportWebVitals from './reportWebVitals';  const divStyle = {    textAlign: 'center',    fontSize: '15px',    color: '#d0f0c0',    border: '1px solid green',  };  const element = (    <div style={divStyle} >Green is the prime color of the world</div>  );  const root = ReactDOM.createRoot(document.getElementById('root'));  root.render(element);  reportWebVitals(); |

**Exercise 4.2 :**

Demo:

A screenshot of a computer

Description automatically generated

Code:

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| --- |
| import React from 'react';  import ReactDOM from 'react-dom/client';  import reportWebVitals from './reportWebVitals';  import { Button } from "antd";  import "antd/dist/reset.css";  const handleClick = () => {    alert('Alert!!!');  };  const element = (    <Button style={{ margin: "10px 10px" }} type="primary" onClick={handleClick}>Alert me !</Button>  );  const root = ReactDOM.createRoot(document.getElementById('root'));  root.render(element);  reportWebVitals(); |

**Exercise 4.3 :**

Demo:

A screenshot of a computer

Description automatically generated

Demo:

|  |
| --- |
| //---------------------------------Exercise 4.3----------------------------------  const smartPeople = [    {name: 'Johann Goethe', age: 82, IQ: 210 },    { name: 'Albert Einstein', age: 76, IQ: 205 },    {name: 'Leonardo da Vinci', age: 67, IQ: 180 },    { name: 'Isaac Newton', age: 84, IQ: 190 },    {name: 'James Maxwell', age: 48, IQ: 190 },    { name: 'Rudolf Clausius', age: 66, IQ: 190 },    {name: 'Nicolaus Copernicus', age: 70, IQ: 160 },    { name: 'Gottfried Leibniz', age: 70, IQ: 182 },    {name: 'William Sidis', age: 46, IQ: 200}  ]  const element = (    <ul>      {smartPeople.map((person, index) => (        <li key={index}>          <strong>Name:</strong> {person.name} ,          <strong>Age:</strong> {person.age} ,          <strong>IQ:</strong> {person.IQ}        </li>      ))}    </ul>  );  // const root = ReactDOM.createRoot(document.getElementById('root'));  // root.render(element);  ReactDOM.createRoot(document.getElementById('root')).render(element);  reportWebVitals(); |

**Exercise 4.4 :**

Demo:

A screenshot of a computer

Description automatically generated  
Code:

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| --- |
| import React from 'react';  import ReactDOM from 'react-dom/client';  import reportWebVitals from './reportWebVitals';  import { Card, Avatar } from 'antd';  import "antd/dist/reset.css";  const { Meta } = Card;  const card = {    title: 'Elon Musk',    description: 'Elon Reeve Musk FRS is a business magnate, industrial designer, and engineer. He is the founder, CEO, CTO, and chief designer of SpaceX',    avatar: 'http://www.gstatic.com/tv/thumb/persons/487130/487130\_v9\_bb.jpg',    cover: 'https://media.vanityfair.com/photos/574f453fbdf148e4205f29df/16:9/w\_1200, h\_630, c\_limit/hive-contributor-profile-elon-musk.jpg'  };  const element = (    <div style={{ padding: '20px' }}>      <Card        title={card.title}        cover={<img alt="cover" src={card.cover} />}        extra={<Avatar src={card.avatar} />}      >        <Meta description={card.description} />      </Card>    </div>  );  ReactDOM.createRoot(document.getElementById('root')).render(element);  reportWebVitals(); |

**Exercise 4.5 :**

Demo:

A screenshot of a computer

Description automatically generated

Code:

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| --- |
| //---------------------------------Exercise 4.5----------------------------------  import React from 'react';  import ReactDOM from 'react-dom/client';  import reportWebVitals from './reportWebVitals';  const user = {    firstName: 'Elon',    lastName: 'Musk',    age: 49  }  const element = (    <div>        <h1>firstName: {user.firstName}</h1>        <h1>lastName: {user.lastName}</h1>        <h1>age: {user.age}</h1>    </div>  );  ReactDOM.createRoot(document.getElementById('root')).render(element);  reportWebVitals(); |

**Exercise 4.6 :**

Demo:

A screen shot of a computer

Description automatically generated

Code:

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| --- |
| //---------------------------------Exercise 4.6----------------------------------  import React from 'react';  import ReactDOM from 'react-dom/client';  import reportWebVitals from './reportWebVitals';  const divStyle = {    fontSize: '15px',    backgroundColor: '#d0f0c0',    border: '1px solid green',    padding: '10px',  };  const element = (    <div style={divStyle} >Green is the prime color of the world</div>  );  ReactDOM.createRoot(document.getElementById('root')).render(element);  reportWebVitals(); |

**Exercise 4.7 :**

Demo:

A screenshot of a computer

Description automatically generated

Code:

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| --- |
| //---------------------------------Exercise 4.7----------------------------------import React from 'react';  import ReactDOM from 'react-dom/client';  import reportWebVitals from './reportWebVitals';  const UserForm = () => {    return (      <form>        <label>Enter a username:</label>        <input />      </form>    );  }  //Renders the App component into a div with id 'root'  //ReactDOM.createRoot(document.getElementById('root')).render(<UserForm />);  //ReactDOM.render(<UserForm />, document.querySelector('#root'));  ReactDOM.createRoot(document.querySelector('#root')).render(<UserForm />);  reportWebVitals(); |

**Homework 1:**

Demo:

A screenshot of a computer

Description automatically generated

Code:

App.js

|  |
| --- |
| import React, { useEffect } from 'react';  const App = () => {    const buttons = ['w', 'a', 's', 'd', 'j', 'k', 'l'];    const handleButtonClick = (key) => {      makeSound(key);      buttonAnimation(key);    };      useEffect(() => {      buttons.forEach((key) => {        const button = document.querySelector(`.${key}`);        button.addEventListener('click', () => handleButtonClick(key));      });      document.addEventListener("keypress", function(event) {          makeSound(event.key);            buttonAnimation(event.key);          });      return () => {        buttons.forEach((key) => {          const button = document.querySelector(`.${key}`);          button.removeEventListener('click', () => handleButtonClick(key));        });        document.addEventListener("keypress", function(event) {          makeSound(event.key);            buttonAnimation(event.key);          });      };    }, []);    const makeSound = (key) => {      switch (key) {        case "w":          import('./sounds/tom-1.mp3').then((module) => {            const tom1 = new Audio(module.default);            tom1.play();          });          break;          case "a":          import('./sounds/tom-2.mp3').then((module) => {            const tom2 = new Audio(module.default);            tom2.play();          });          break;          case "s":          import('./sounds/tom-3.mp3').then((module) => {            const tom3 = new Audio(module.default);            tom3.play();          });          break;          case "d":          import('./sounds/tom-4.mp3').then((module) => {            const tom4 = new Audio(module.default);            tom4.play();          });          break;          case "j":          import('./sounds/snare.mp3').then((module) => {            const snare = new Audio(module.default);            snare.play();          });          break;          case "k":          import('./sounds/crash.mp3').then((module) => {            const crash = new Audio(module.default);            crash.play();          });          break;          case "l":          import('./sounds/kick-bass.mp3').then((module) => {            const kick = new Audio(module.default);            kick.play();          });          break;          default:          console.log(key);      }    };      const buttonAnimation = (currentKey) => {      const activeButton = document.querySelector(`.${currentKey}`);      activeButton.classList.add('pressed');      setTimeout(() => {        activeButton.classList.remove('pressed');      }, 100);    };    return (      <div>        <h1 id="title">Drum 🥁 Kit</h1>        <div className="set">          {buttons.map((key) => (            <button key={key} className={`drum ${key}`} onClick={() => handleButtonClick(key)}>              {key}            </button>          ))}        </div>      </div>    );  };  export default App; |

css file

|  |
| --- |
| body {      text-align: center;      background-color: #283149;    }      h1 {      font-size: 5rem;      color: #DBEDF3;      font-family: "Arvo", cursive;      text-shadow: 3px 0 #DA0463;      }      .w {      background-image: url("images/tom1.png");    }      .a {      background-image: url("images/tom2.png");    }      .s {      background-image: url("images/tom3.png");    }      .d {      background-image: url("images/tom4.png");    }      .j {      background-image: url("images/snare.png");    }      .k {      background-image: url("images/crash.png");    }      .l {      background-image: url("images/kick.png");    }      .set {      margin: 10% auto;    }      .pressed {      box-shadow: 0 3px 4px 0 #DBEDF3;      opacity: 0.5;    }      .red {      color: red;    }      .drum {      outline: none;      border: 10px solid #404B69;      font-size: 5rem;      font-family: 'Arvo', cursive;      line-height: 2;      font-weight: 900;      color: #DA0463;      text-shadow: 3px 0 #DBEDF3;      border-radius: 15px;      display: inline-block;      width: 150px;      height: 150px;      text-align: center;      margin: 10px;      background-color: white;    } |

Index.js

|  |
| --- |
| import React from 'react';  import ReactDOM from 'react-dom';  import "./Style.css";  import App from './App';  ReactDOM.createRoot(document.querySelector('#root')).render(<App />); |

**Homework 2:**

Demo:

**Homework 3:**

Demo:

A screenshot of a computer

Description automatically generated

Code :

App.js

|  |
| --- |
| import React, { useRef } from 'react';  import './App.css';  import avatar from "./Image/kedi1.png";  import game from "./Image/game.png";  import pet from "./Image/pet.png";  import music from "./Image/music.png";  import book from "./Image/book.png";  function App() {    const education= useRef(null);    const programskills= useRef(null);    const developementtools= useRef(null);    const interests= useRef(null);      const scrollToSection = (sectionId) => {      window.scrollTo({          top: sectionId.current.offsetTop,          behavior: 'smooth'      });    }    return (      <div class="wrapper">        <div class="intro">……..          </div>          <div class="detail">            <div class="detail-section edu" id="education" ref={education}>……..            </div>            <div class="detail-section pg-skill" id="program-skills" ref={programskills}>…….            </div>            <div class="detail-section tool-skill" id="developement-tools" ref={developementtools}>………            </div>            <div class="detail-section interests" id="interests" ref={interests}>….            </div>          </div>          <div id="sidebar">            <div id="navbar">              <a href="#" onClick={() => scrollToSection(education) } >                Education              </a>              <a href="#" onClick={() => scrollToSection(programskills)}>                Programming Skills              </a>              <a href="#" onClick={() => scrollToSection(developementtools)}>                Developement Tools              </a>              <a href="#" onClick= {() => scrollToSection(interests)}>                Interests              </a>            </div>          </div>        </div>    );  }  export default App; |

Index.js

|  |
| --- |
| import React from 'react';  import ReactDOM from 'react-dom/client';  import App from './App';  const root = ReactDOM.createRoot(document.getElementById('root'));  root.render(<App />); |

**Homework 4:**

Demo:

**Homework 5:**

Demo:

Message : Deadline các môn nhiều quá em làm không nổi bỏ homework 2,4,5.