

WPT Assignment - 13

1. Create a messaging app(like Whatsapp structure).

App.js

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

function App() {
  // Data Member
  let inputRef = useRef();
  let [title] = useState("WhatsApp API DEMO");
  let [message, setMessage] = useState("");
  let [messageList, setMessageList] = useState([]);

  // Spl Funcn :: Hook :: Like Constructor :: Called while the Component is Initialized.
  useEffect(() => {
    // console.log("I AM GETTING CALLED");
    getAllMessages();
  }, []);

  // Member Funcns
  let handleChangeMessage = (e) => {
    message = e.target.value;
    setMessage(message);
    // setMessage(e.target.value)
  };

  let getAllMessages = async () => {
    let url = `http://localhost:3001/messages`;
    let response = await axios.get(url);
    // console.log(response);

    // Getting the Message From Server :: And re-rendering
    messageList = [...response.data];
    setMessageList(messageList);
  };

  let createNewMessage = async () => {
    let url = `http://localhost:3001/message`;
    // console.log(inputRef.current);
    if (!inputRef.current.checkValidity()) {
      alert("Invalid");
      return;
    }
  }
}
```

```

let data = {
  message: message,
  messageTime: new Date(),
  reply: true,
};

await axios.post(url, data);

setMessage("");

// To Refresh the content
getAllMessages();
};

let checkEnterCode = (e) => {
  if (e.keyCode === 13) {
    createNewMessage();
  }
};

return (
  <div>
    <h1 className="bg-dark text-light p-3 sticky-top">{title}</h1>

    <div className="row justify-content-center">
      <div className="col-12 col-md-6">
        <div className="d-flex">
          <input
            className="form-control form-control-lg"
            type="text"
            placeholder="Hi...whatsapp...!!"
            value={message}
            onChange={handleOnChangeMessage}
            onKeyUp={checkEnterCode}
            ref={inputRef} // document.querySelector()
            required
            minLength={2}
          />
          <input
            className="btn btn-secondary ms-1"
            type="button"
            value="Add"
            onClick={() => createNewMessage(false)}
          />
          <input
            className="btn btn-secondary ms-1"
            type="button"

```

```

        value="Reply"
        onClick={() => createNewMessage(true)}
      />
    </div>
  </div>
</div>

{messageList.map((item, index) => (
  <div className="row justify-content-center">
    <div className="col-12 col-md-6 ">
      <div
        key={index}
        className={
          item.reply
            ? "d-flex justify-content-end my-1"
            : "d-flex justify-content-start my-1"
        }
      >
        <div className="badge text-bg-success">
          {item.message}
          <span className="ms-4">
            {new Date(item.messageTime).getHours()}:
            {new Date(item.messageTime).getMinutes()}
          </span>
        </div>
      </div>
    </div>
  </div>
)}}
</div>
);
}

```

export default App;

Output:

WhatsApp API DEMO

Hi...whatsapp....!!

Add

Reply

Test Message 17:1

Test Message 17:1

Test Message 18:11

Hello World 1:23

Hello How are you 17:25

Hello from Postman 9:44

Hello from Postman 9:45

Hello from Dubai 9:48

Hello from browser 23:30

Hello Delhi!!! 18:13

Hello Bluebird!! 19:37

Hello Bluebird!! 19:37

Hello Bluebird!! 19:55

Hello Bluebird!! 21:46

Heellooooww 23:30

Good Night 1:24

FRA vs ARG 16:31

FRA vs ARG 16:31

FRA vs ARG 16:32

dynamic posting 18:29

2. Create a Multi-page website using React.js.

App.js

```
import { Link, Route, Routes } from "react-router-dom";
import AppNavLinks from "./components/AppNavLinks";
import Explore from "./components/Explore";
import Home from "./components/Home";
import Notifications from "./components/Notifications";
import PageNotFound from "./components/PageNotFound";

function App() {
  return (
    <div>
      <AppNavLinks />

      <Routes>
        <Route path="/" element={<Home />} />
        <Route path="/home" element={<Home />} />
        <Route path="/explore" element={<Explore />} />
        <Route path="/notifications" element={<Notifications />} />
        <Route path="*" element={<PageNotFound />} />
      </Routes>
    </div>
  );
}

export default App;
```

Components ->

AppBody.js

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

function AppBody() {
  let [list] = useState([{}, {}, {}, {}, {}, {}, {}, {}]);

  return (
    <div className="row">
      {list.map((item, index) => (
        <div key={index} className="col-12 col-md-3 my-2">
          <div className="card">
            <img
              src={`https://picsum.photos/${250 + index}`}
              alt=""
              style={{ height: "200px", objectFit: "cover" }}
            />
          </div>
        </div>
      ))}
    </div>
  );
}
```

```

    />
    <div className="card-header">Card Title</div>
    <div className="card-body">
      Lorem ipsum dolor sit amet consectetur adipisicing elit. Dolore
      maxime quam atque vero molestias! Nulla, earum voluptatem culpa id
      quis deserunt eveniet modi. Inventore excepturi eaque ex mollitia
      deserunt exercitationem!
    </div>
  </div>
</div>
  )}
</div>
);
}

```

```

export default AppBody;
AppHeader.js
// <AppHeader />
function AppHeader() {
  return (
    <div className="bg-danger text-light p-3">
      <div className="fs-3">Shopping Book</div>
    </div>
  );
}

```

```

export default AppHeader;

```

AppFooter.js

```

function AppFooter() {
  return (
    <div
      className="bg-secondary d-flex flex-column justify-content-center align-items-
center"
      style={{ height: "400px" }}
    >
      <div className="text-light fs-4">Copy Right by Student Community!</div>
      <div className="text-light fs-6">Follow Us @Twitter</div>
      <div className="text-light fs-6"> Follow Us @Youtube</div>
    </div>
  );
}

```

```

export default AppFooter;

```

AppNavlink.js

```
import { Link } from "react-router-dom";

function AppNavLinks() {
  return (
    <nav className="navbar navbar-expand-lg bg-dark navbar-dark">
      <div className="container-fluid">
        <a className="navbar-brand" href="#">
          Project Book
        </a>
        <button
          className="navbar-toggler"
          type="button"
          data-bs-toggle="collapse"
          data-bs-target="#navbarNav"
          aria-controls="navbarNav"
          aria-expanded="false"
          aria-label="Toggle navigation"
        >
          <span className="navbar-toggler-icon"></span>
        </button>
        <div className="collapse navbar-collapse" id="navbarNav">
          <ul className="navbar-nav ms-auto">
            <li className="nav-item">
              <Link className="nav-link active" aria-current="page" to="/home">
                Home
              </Link>
            </li>
            <li className="nav-item">
              <Link className="nav-link" to="/explore">
                Explore
              </Link>
            </li>
            <li className="nav-item">
              <Link className="nav-link" to="/notifications">
                Notifications
              </Link>
            </li>
          </ul>
        </div>
      </div>
    </nav>
  );
}

export default AppNavLinks;
```

Explore.js

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

function Explore() {
  let [list] = useState([{}, {}, {}, {}, {}, {}, {}, {}]);

  return (
    <div>
      {list.map((item, index) => (
        <div className="alert alert-secondary" key={index}>
          Lorem ipsum dolor, sit amet consectetur adipisicing elit. Ipsum
          deleniti exercitationem alias eius. Minima dolore molestiae aliquam
          nam necessitatibus, perspiciatis doloremque pariatur blanditiis ea
          consectetur. Voluptatum dolores voluptatem quia quaerat! Lorem ipsum
          dolor sit amet consectetur adipisicing elit. Eos atque dicta ducimus
          animi culpa inventore recusandae et excepturi? Vel nulla beatae quas
          repudiandae voluptate. Dolorem commodi quia sunt doloremque saepe!
        </div>
      ))}
    </div>
  );
}

export default Explore;
```

Home.js

```
import AppBody from "./AppBody";

function Home() {
  return (
    <div>
      <AppBody />
    </div>
  );
}

export default Home;
```


Notification.js

```
function Notifications() {  
  return (  
    <div className="row justify-content-center">  
      <div className="col-12 col-md-6">  
        <div>  
          <input  
            className="form-control form-control-lg my-2"  
            type="text"  
            name=""  
            id=""  
            placeholder="Enter username"  
          />  
  
          <input  
            className="form-control form-control-lg my-2"  
            type="text"  
            name=""  
            id=""  
            placeholder="Enter Passwrod"  
          />  
  
          <input  
            className="form-control form-control-lg my-2"  
            type="text"  
            name=""  
            id=""  
            placeholder="Enter Email"  
          />  
  
          <input  
            className="form-control form-control-lg my-2"  
            type="text"  
            name=""  
            id=""  
            placeholder="Enter Mobile"  
          />  
  
          <input  
            className="btn btn-lg btn-dark w-100"  
            type="button"  
            value="SUBMIT"  
          />  
        </div>  
      </div>  
    </div>  
  )  
}
```

```

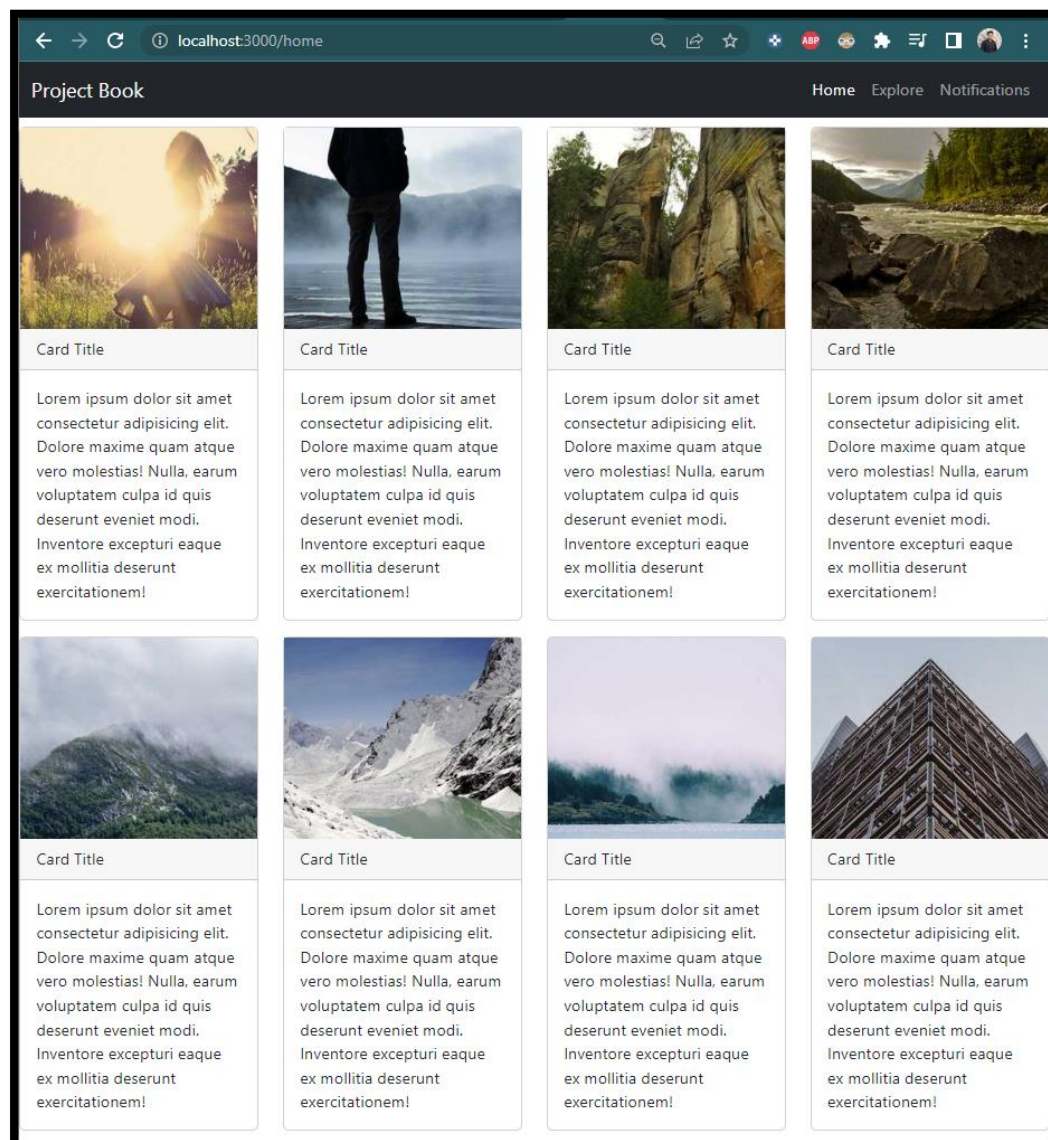
    );
  }

export default Notifications;
PageNotFound.js
function PageNotFound() {
  return (
    <div>
      <h1>I am lost. I am not available!</h1>
    </div>
  );
}

```

```
export default PageNotFound;
```

Output: HOME PAGE



EXPLORE PAGE



NOTIFICATIONS PAGE

Project Book

HomeExploreNotifications

Enter username

Enter Passwrod

Enter Email

Enter Mobile

SUBMIT