Project Development Phase Sprint – 1

Source Code

Date	1-11- 2022
Team ID	PNT2022TMID26204
Project Name	Personal Expense Tracker Application
Maximum Marks	8 Marks

App.js

```
import React from 'react';

import { BrowserRouter, Routes, Route, } from "react-router-dom";import Home from

'./routes/home/Home';

import Login from './routes/forms/login/Login'; import Register from

'./routes/forms/register/Register';const App = () => {

  return (

    <BrowserRouter>

      <Routes>

        <Route path="/" element={<Home />} />

        <Route exact path="/login" element={<Login />} />

        <Route exact path="/register" element={<Register />} />

      </Routes>

    </BrowserRouter>

  );

};

export default App;
```

App.css

```
.App {

 text-align: center;

}
```

```css
.App-logo {
  height: 40vmin;
  pointer-events: none;
}
@media (prefers-reduced-motion: no-preference) {
  .App-logo {
    animation: App-logo-spin infinite 20s linear;
  }
}
.App-header {
  background-color: #282c34;
  min-height: 100vh;
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
  font-size: calc(10px + 2vmin);
  color: white;
}
.App-link {
  color: #61dafb;
}
@keyframes App-logo-spin {
  from {
    transform: rotate(0deg);
  }
  to {
    transform: rotate(360deg);
  }
}
```

index.js

```
import React from 'react';
import ReactDOM from 'react-dom';
import App from './App';
import './index.css';
ReactDOM.render(
  <React.StrictMode>
    <App />
  </React.StrictMode>,
  document.getElementById('root')
);
```

index.css

```
#root, body, html {
  height: 100%;
  margin: 0;
}
body {
  background: linear-gradient(rgba(0, 0, 0, 0.5), rgba(0, 0, 0, 0.5)), url(./assets/background-img.jpeg);
  background-size: cover;
}
```

.routes/forms/formInput/FormInput.js

```
import React, { useState } from 'react';
import './formInput.css';
const FormInput = (props) => {
  const [focused, setFocused] = useState(false);
  const { label, errorMessage, onChange, id, ...inputProps } = props;
  const handleFocus = (e) => {
    setFocused(true);
  };
  return (
    <div className="formInput">
      <label className="labelField">{label}</label>
      <input
        {...inputProps}
        className="inputField"
        onChange={onChange}
        onBlur={handleFocus}
        onFocus={() => inputProps.name === "confirmPassword" && setFocused(true)}
        focused={focused.toString()} />
      <span className="errorMessage">{errorMessage}</span>
    </div>
  );
};
export default FormInput;
```

.routes/forms/formInput/formInput.css

```
.inputField {
  padding: 15px;
  margin: 10px 0px;
  border-radius: 10px;
  border: 1px solid rgb(122 103 0);
}
.formInput {
  display: flex;
  flex-direction: column;
```

```
    width: 280px;
}
.labelField {
    font-size: 12px;
    color: rgb(50, 50, 0);
}
.errorMessage {
    font-size: 10px;
    padding: 3px;
    color: red;
    display: none;
}
.inputField:invalid[focused="true"] {
    border: 1px solid red;
}
.inputField:invalid[focused="true"] ~ span {
    display: block;
}
```

.routes/forms/login/Login.js

```
import React, { useState } from 'react';
import { Link, useNavigate, } from 'react-router-dom';
import swal from 'sweetalert';
import FormInput from '../formInput/FormInput';
import './login.css';

const Login = () => {
    const navigate = useNavigate();
    const [values, setValues] = useState({
        username: "",
    password: "",
  });
  const { username, password } = values;
  const inputs = [
    {
      id: 1,
      name: "username",
      type: "text",
      placeholder: "Username",
      label: "Username",
      errorMessage: "Username should be 3-16 characters and shouldn't include any special characters",
      required: true,
      pattern: "^[A-Za-z0-9]{3,16}$",
    },
    {
      id: 3,
      name: "password",
      type: "password",
      placeholder: "Password",
      label: "Password",
      errorMessage: "Password should be 8-20 characters and include at least 1 letter, 1 number and 1 special character",
      required: true,
      pattern: "^(?=.*[0-9])(?=.*[A-Za-z])(?=.*[!@#$%^&*])[a-zA-Z0-9!@#$%^&*]{8,20}$",
    },
  ]
  const handleSubmit = (e) => {
    e.preventDefault();
    if (username === "aaaa" && password === "aaaa@1111") {
      swal("Successfull Login", "Welcome to Dashboard", "success");
      navigate(`/dashboard/${username}`);
    }
    else {
      swal("Wrong Credentials", "Please try again!", "error");
    }
  };
  const onChange = (e) => {
    setValues({ ...values, [e.target.name]: e.target.value });
  };
  return (
    <div className="login">
      <form className="loginForm"  onSubmit={handleSubmit}>
        <h1  className="loginTitle">Login</h1>
        {inputs.map((input) => (
          <FormInput
            key={input.id}
            {...input}
            value={values[input.name]}  onChange={onChange}
          />
        ))}

        <button className="loginBtn" >Login</button>
        <div>
          <p style={{ fontSize: "14px", marginBottom: "30px" }}>New user? <Link
to="/register" className="registerLink">Click to Register</Link></p>
        </div>
      </form>
    </div>
  );
};
```

```
export default Login;
```

.routes/forms/login/login.css

```
.login {
    display: flex;
    align-items: center;
    justify-content: center;
    height: 100vh;
}
.loginForm {
    background-color: rgb(244 228 140);
    padding: 0px 60px;
    border-radius: 10px;
}
.loginTitle {
    color: rgb(139 120 2);
    text-align: center;
    margin-top: 30px;
}
.loginBtn  {
    width: 100%;
    height: 50px;
    padding: 10px;
    border: none;
    background-color: rgb(139 120 2);
    color: white;
    border-radius: 10px;
    font-weight: 600;
    font-size: 18px;
    cursor: pointer;
    margin-top: 15px;
    margin-bottom: 15px;
}
.loginBtn:hover {
    background-color: rgb(246 235 172);
    color: rgb(139 120 2);
    border: 2px solid rgb(139 120 2);
}
.registerLink {
    text-decoration: none;
    margin-left: 5px;
    color: rgb(72 62 1);
    font-weight: 500;
}
```

.routes/forms/register/Register.js

```
import React, { useState } from 'react';
import { Link, useNavigate } from 'react-router-dom';
import FormInput from '../formInput/FormInput';
import './register.css';

const Register = () => {

    const navigate = useNavigate();

    const [values, setValues] = useState({
        username: "",
        email: "",
        password: "",
        confirmPassword: "",
  });

  const { username } = values;

  const inputs = [
    {
      id: 1,
      name: "username",
      type: "text",
      placeholder: "Username",
      label: "Username",
      errorMessage: "Username should be 3-16 characters and shouldn't include any special characters",
      required: true,
      pattern: "^[A-Za-z0-9]{3,16}$",
    },
    {
      id: 2,
      name: "email",
      type: "email",
      placeholder: "Email",
      label: "Email",
      errorMessage: "It should be a valid email address",
      required: true,
    },

    {
      id: 3,
      name: "password",
      type: "password",
      placeholder: "Password",
      label: "Password",
      errorMessage: "Password should be 8-20 characters and include at least 1 letter, 1
number and 1 special character",
      required: true,
      pattern: "^(?=.*[0-9])(?=.*[A-Za-z])(?=.*[!@#$%^&*])[a-zA-Z0-
9!@#$%^&*]{8,20}$",
    },
    {
      id: 4,
      name: "confirmPassword",
      type: "password",
      placeholder: "Confirm Password",
      label: "Confirm Password",
      errorMessage: "Passwords don't match",
      required: true,
      pattern: values.password,
    },
  ]

  const handleSubmit = (e) => {
    e.preventDefault();
    navigate(`/dashboard/${username}`);
  };

  const onChange = (e) => {
    setValues({ ...values, [e.target.name]: e.target.value });
  };


  return (
    <div className="register">
```

```
      <form className="registerForm" onSubmit={handleSubmit}>
        <h1 className="registerTitle">Register</h1>
        {inputs.map((input) => (
          <FormInput
            key={input.id}
            {...input}
            value={values[input.name]} onChange={onChange}
          />
        ))}

        <button className="registerBtn">Submit</button>
        <div>
          <p style={{ fontSize: "14px", marginBottom: "30px" }}>Already have an account? <Link to="/login" className="loginLink">Click to Login</Link></p>
        </div>
      </form>
    </div>
  );
};

export default Register;
```

.routes/forms/register/register.css

```
.register {
  display: flex;
  align-items: center;
  justify-content: center;
  height: 100vh;
}

.registerForm {
  background-color: rgb(244 228 140);
  padding: 0px 60px;
  border-radius: 10px;
}

.registerTitle {
  color: rgb(139 120 2);
  text-align: center;
  margin-top: 30px;
}

.registerBtn {
  width: 100%;
  height: 50px;
  padding: 10px;
  border: none;
  background-color: rgb(139 120 2);
  color: white;
  border-radius: 10px;
  font-weight: bold;
  font-size: 18px;
  cursor: pointer;
  margin-top: 15px;
  margin-bottom: 15px;
}



.registerBtn:hover {
  background-color: rgb(246 235 172);
  color: rgb(139 120 2);
  border: 2px solid rgb(139 120 2);
}

.loginLink {
  text-decoration: none;
  margin-left: 5px;
  color: rgb(72 62 1);
  font-weight: 500;
}
```