



ESPE
UNIVERSIDAD DE LAS FUERZAS ARMADAS
INNOVACIÓN PARA LA EXCELENCIA

PROGRAMACIÓN INTEGRATIVA DE COMPONENTES WEB

NRC - ASIGNATURA: 19178

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PERÍODO ACADÉMICO: 2024_50

TAREA N° 2.4

TÍTULO:

**Manual de Interfaces web y persistencia a bases
de datos + React**

ESTUDIANTE:

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ENLACE VIDEO:

<https://youtu.be/hKxQfh0pYKc>

FECHA DE ENTREGA: 2024 / 08 / 24

Persistencia bases de datos

I. Introducción

Las actividades incluyen definir una aplicación base, implementar funcionalidades y documentar el proceso. Los entregables son una aplicación en React, la funcionalidad implementada, un manual detallado y un video demostrativo.

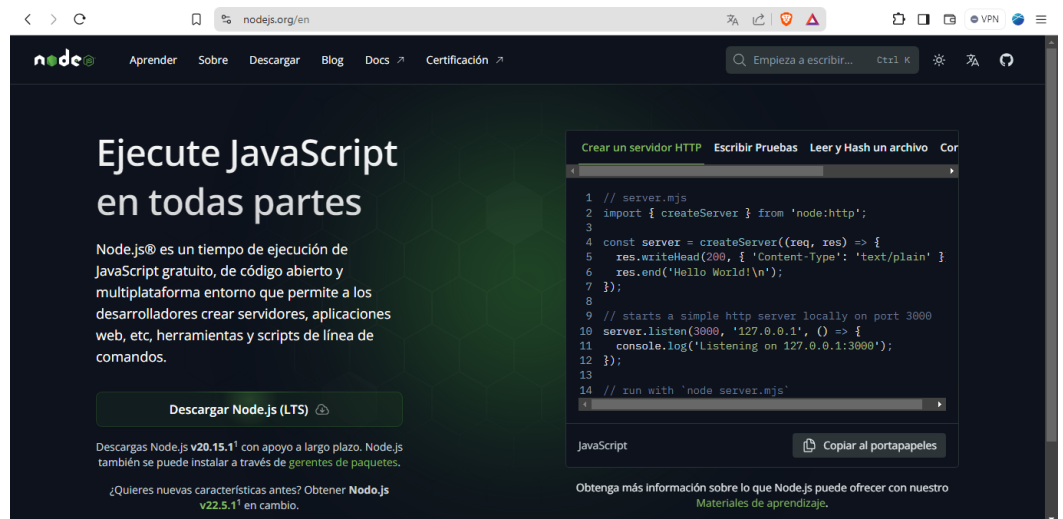
II. Objetivos

OBJETIVO: Desarrollar una aplicación web que permita la interacción entre usuarios, clientes y bases de datos con un framework javascript de componentes

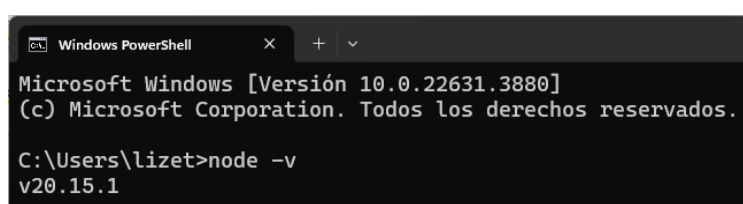
OBJETO DE ESTUDIO: app js con persistencia

III. Instalación de plataforma de desarrollo

Primero accedemos a <https://nodejs.org/en> descargamos e instalamos los componentes necesarios para la plataforma base node js.



Iniciamos el cmd y ejecutamos el comando `node -v` para ver la versión de node instalado en el dispositivo.



```
Windows PowerShell
C:\Users\lizet>npm -v
10.7.0
```

IV. Instalación framework React

Dentro de la línea de comando vamos a instalar React a nivel global con los comandos

```
C:\WINDOWS\system32\cmd. X + v
Microsoft Windows [Versión 10.0.22631.3880]
(c) Microsoft Corporation. Todos los derechos reservados.
C:\Users\lizet>npm install -g create-react-app
```

La versión instalada de React

```
C:\WINDOWS\system32\cmd. X + v
C:\proyectos\react>cd listas
C:\proyectos\react\listas>npm list react
listas@0.1.0 C:\proyectos\react\listas
+-- @testing-library/react@13.4.0
|   |-- react@18.3.1 deduped
|   |-- react-dom@18.3.1
|   |-- react@18.3.1 deduped
|   |-- react-scripts@5.0.1
|   |-- react@18.3.1 deduped
|   |-- react@18.3.1
+-- react@18.3.1
```

Instalamos dependencias necesarias

```
C:\proyectos\react\tarea2.4>npm install react-router-dom
```

V. Creación e inicialización de la tarea

Ingresamos en la carpeta de React agregando el comando `cd`

```
C:\proyectos>cd react
```

Creamos el nuevo proyecto llamado “listas”

```
C:\proyectos\react>npx create-react-app tarea2.4
Creating a new React app in C:\proyectos\react\tarea2.4.
Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...
```

Para inicializar agregamos el comando `npm start`

```
Windows PowerShell
Happy hacking!
C:\proyectos\react>cd listas
C:\proyectos\react\listas>npm start
> listas@0.1.0 start
> react-scripts start
```

Finalmente se activa el local host

```
Windows PowerShell
You can now view listas in the browser.

Local:      http://localhost:3000
On Your Network: http://192.168.56.1:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled successfully
```

Visualizamos en el navegador el framework React.



VI. Código de lógica de negocio.

Tarea2.4/

└─ src/

├─ app.js

├─ index.js

├─ logo.svg

├─ pages/

| └─ home.jsx

| └─ login.jsx

| └─ register.jsx

├─ css/

| └─ myreset.css

| └─ login.css

| └─ home.css

| └─ App.css

└─ modules/

| └─ AuthProvider.jsx

| └─ session-service.js

| └─ user-service.js

└─ resource/

| └─ ojo.svg

| └─ ojos-cruzados.svg



```
1  .menu__login {
2      display: flex;
3      width: 100%;
4      justify-content: flex-end;
5  }
6  .Login__boton {
7      display: flex;
8      width: 100%;
9      justify-content: center;
10     align-items: center;
11     color: var(--color_text-link);
12     border: 1px solid var(--color_text-link);
13     font-size: 1.2rem;
14     text-decoration: none;
15     margin-right: 0.5rem;
16     text-align: center;
17     height: 30px;
18 }
19 .Login__boton:hover {
20     color: #ffffff;
21     border: none;
22     background: var(--color_text-link);
23 }
24 .disable__Logout {
25     display: none;
26 }
27 .disable__Login {
28     display: none;
29 }
30 .titulo {
31     font-size: 2em;
32     text-align: center;
33 }
34
```

```

1 import LoginForm from "../pages/login";
2 import "../css/myreset.css";
3 import "../css/login.css";
4 import "../css/App.css";
5 function App() {
6   return (
7     <div className="container">
8       <div id="logout" className="menu_login">
9         <a href="/register" className="login_boton">
10           Registrarse
11         </a>
12       </div>
13       <LoginForm />
14     </div>
15   );
16 }
17
18 export default App;

```

```

1 import { useContext, createContext, useState, useEffect } from "react";
2
3 const AuthContext = createContext({
4   isAuthenticated: false,
5   saveUser: (idSession) => {},
6 });
7
8 export function AuthProvider({ children }) {
9   const [isAuthenticated, setIsAuthenticated] = useState(false);
10   window.onload = () => {
11     if (sessionStorage.getItem("idSession") !== "") {
12       setIsAuthenticated(true);
13     }
14   };
15
16   function saveUser(idSession) {
17     if (idSession !== null) {
18       setIsAuthenticated(true);
19     }
20     if (idSession !== "") {
21       setIsAuthenticated(true);
22     }
23   }
24   return (
25     <AuthContext.Provider value={{ isAuthenticated, saveUser }}>
26       {children}
27     </AuthContext.Provider>
28   );
29 }
30
31 export const useAuth = () => useContext(AuthContext);
32

```

```

1 import React, { useState } from "react";
2 import { Navigate } from "react-router-dom";
3 import "../css/home.css"
4
5 export function Home() {
6   const [tasks, setTasks] = useState([]);
7   const [task, setTask] = useState("");
8   const [editingIndex, setEditingIndex] = useState(null);
9
10  window.onload = () => {
11    const logout = document.getElementById("logout");
12    logout.addEventListener("click", (e) => {
13      e.preventDefault();
14      alert("Sesión cerrada con éxito");
15      sessionStorage.clear();
16      window.location.href = "/";
17    });
18  };
19
20  const handleAddTask = () => {
21    if (task.trim() !== "") {
22      if (editingIndex !== null) {
23        const updatedTasks = [...tasks];
24        updatedTasks[editingIndex] = task;
25        setTasks(updatedTasks);
26        setEditingIndex(null);
27      } else {
28        setTasks([...tasks, task]);
29      }
30      setTask("");
31    }
32  };
33
34  const handleEditTask = (index) => {
35    setTask(tasks[index]);
36    setEditingIndex(index);
37  };
38
39  const handleDeleteTask = (index) => {
40    const updatedTasks = tasks.filter((_, i) => i !== index);
41    setTasks(updatedTasks);
42  };
43
44  return (
45    <div>
46      <h1 className="titulo">Bienvenido</h1>
47      <div id="out" className="menu_login">
48        <a id="logout" href="/" className="login_boton">
49          Cerrar Sesión
50        </a>
51      </div>
52
53      <div className="task-container">
54        <input
55          type="text"
56          value={task}
57          onChange={(e) => setTask(e.target.value)}
58          placeholder="Nueva tarea"
59        />
60        <button onClick={handleAddTask}>
61          {editingIndex !== null ? "Actualizar Tarea" : "Agregar Tarea"}
62        </button>
63        <ul>
64          {tasks.map((task, index) => (
65            <li key={index}>
66              {task}
67              <button onClick={() => handleEditTask(index)}>Editar</button>
68              <button onClick={() => handleDeleteTask(index)}>Eliminar</button>
69            </li>
70          ))}
71        </ul>
72      </div>
73    </div>
74  );
75 }

```



```

1  import React, { useState } from "react";
2  import { Navigate } from "react-router-dom";
3  import "../css/home.css"
4
5  export function Home() {
6      const [tasks, setTasks] = useState([]);
7      const [task, setTask] = useState("");
8      const [editingIndex, setEditingIndex] = useState(null);
9
10     window.onload = () => {
11         const logout = document.getElementById("logout");
12         logout.addEventListener("click", (e) => {
13             e.preventDefault();
14             alert("Sesión cerrada con éxito");
15             sessionStorage.clear();
16             window.location.href = "/";
17         });
18     };
19
20     const handleAddTask = () => {
21         if (task.trim() !== "") {
22             if (editingIndex !== null) {
23                 const updatedTasks = [...tasks];
24                 updatedTasks[editingIndex] = task;
25                 setTasks(updatedTasks);
26                 setEditingIndex(null);
27             } else {
28                 setTasks([...tasks, task]);
29             }
30             setTask("");
31         }
32     };
33
34     const handleEditTask = (index) => {
35         setTask(tasks[index]);
36         setEditingIndex(index);
37     };
38
39     const handleDeleteTask = (index) => {
40         const updatedTasks = tasks.filter((_, i) => i !== index);
41         setTasks(updatedTasks);
42     };
43
44     return (
45         <div>
46             <h1 className="titulo">Bienvenido</h1>
47             <div id="out" className="menu_login">
48                 <a id="logout" href="/" className="login_boton">
49                     Cerrar Sesión
50                 </a>
51             </div>
52
53             <div className="task-container">
54                 <input
55                     type="text"
56                     value={task}
57                     onChange={(e) => setTask(e.target.value)}
58                     placeholder="Nueva tarea"
59                 />
60                 <button onClick={handleAddTask}>
61                     {editingIndex !== null ? "Actualizar Tarea" : "Agregar Tarea"}
62                 </button>
63                 <ul>
64                     {tasks.map((task, index) => (
65                         <li key={index}>
66                             {task}
67                             <button onClick={() => handleEditTask(index)}>Editar</button>
68                             <button onClick={() => handleDeleteTask(index)}>Eliminar</button>
69                         </li>
70                     ))}
71                 </ul>
72             </div>
73         </div>
74     );
75 }
76

```

```

1  body {
2    margin: 0;
3    font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', 'Roboto', 'Oxygen',
4      'Ubuntu', 'Cantarell', 'Fira Sans', 'Droid Sans', 'Helvetica Neue',
5      sans-serif;
6    -webkit-font-smoothing: antialiased;
7    -moz-osx-font-smoothing: grayscale;
8  }
9
10 code {
11   font-family: source-code-pro, Menlo, Monaco, Consolas, 'Courier New',
12     monospace;
13 }

```

```

1  import React from "react";
2  import ReactDOM from "react-dom/client";
3  import "./index.css";
4  import App from "./App";
5  import { Home } from "./pages/home.jsx";
6  import ProtectedRoute from "./modules/session-service.js";
7  import { createBrowserRouter, RouterProvider } from "react-router-dom";
8  import { AuthProvider } from "./modules/AuthProvider.jsx";
9  import RegisterForm from "./pages/register.jsx";
10
11 const router = createBrowserRouter([
12   {
13     path: "/",
14     element: <App />,
15   },
16   {
17     path: "/home",
18     element: <ProtectedRoute />,
19     children: [
20       {
21         path: "/home",
22         element: <Home />,
23       },
24     ],
25   },
26   {
27     path: "/register",
28     element: <RegisterForm />,
29   },
30 ]);
31 const root = ReactDOM.createRoot(document.getElementById("root"));
32 root.render(
33   <React.StrictMode>
34     <AuthProvider>
35       <RouterProvider router={router} />
36     </AuthProvider>
37   </React.StrictMode>
38 );
39

```

```

1  .container {
2    width: 100%;
3  }
4  .login_container {
5    width: 100%;
6    height: 60vh;
7    max-height: 360px;
8    display: flex;
9    flex-direction: column;
10   align-items: center;
11   justify-content: space-around;
12 }
13 .login_title {
14   width: 50%;
15   height: 20%;
16   text-align: center;
17   padding: 2rem;
18   font-size: 1.5rem;
19 }
20 .login_formulario {
21   width: 50%;
22   height: 80%;
23   display: flex;
24   flex-direction: column;
25   justify-content: space-between;
26   align-items: flex-start;
27   position: relative;
28   margin-bottom: 3em;
29 }
30 .formulario_group {
31   width: 100%;
32   height: 100%;
33   max-height: 75px;
34   display: flex;
35   margin-bottom: 1em;
36   position: relative;
37   box-shadow: 0 5px 10px -5px rgba(0 0 0 / 30%);
38 }
39 .formulario_input:focus + .formulario_label {
40   transform: translateX(-25px) scale(0.7);
41   font-weight: 400;
42   top: 1%;
43   left: 1%;
44   -webkit-transform: translateX(-25px) scale(0.7);
45   -moz-transform: translateX(-25px) scale(0.7);
46   -ms-transform: translateX(-25px) scale(0.7);
47   -o-transform: translateX(-25px) scale(0.7);
48 }
49 .formulario_input {
50   width: 100%;
51   height: 100%;
52   border: 0;
53   font-family: var(--font-defect);
54   color: var(--color_text-title);
55   outline: none;
56   padding-left: 1rem;
57 }
58 .formulario_label {
59   position: absolute;
60   top: 15%;
61   left: 5%;
62   cursor: pointer;
63   font-family: var(--font-defect);
64   color: var(--color_text-title);
65   transition: transform 0.5s, color 0.3s;
66   -webkit-transition: transform 0.5s, color 0.3s;
67   -moz-transition: transform 0.5s, color 0.3s;
68   -ms-transition: transform 0.5s, color 0.3s;
69   -o-transition: transform 0.5s, color 0.3s;
70 }
71 .formulario_btn {
72   height: 70%;
73   width: 100%;
74   max-height: 75px;
75   font-size: 1.2rem;
76   color: #ffffff;
77   background: var(--color_text-link);
78   border: 1px solid var(--color_text-link);
79   cursor: pointer;
80 }
81 .formulario_btn:hover {
82   background: #ffffff;
83   color: var(--color_text-link);
84   border: 1px solid var(--color_text-link);
85 }
86 .formulario_hidden-password {
87   display: none;
88 }
89 .formulario_label_hidden-password {
90   padding: 1rem;
91   position: absolute;
92   bottom: 25%;
93   align-items: center;
94   right: 1rem;
95   background: url(../resource/ojo.svg) no-repeat center center / 1.5rem;
96   cursor: pointer;
97   transition: all 0.5s;
98   -webkit-transition: all 0.5s;
99   -moz-transition: all 0.5s;
100  -ms-transition: all 0.5s;
101  -o-transition: all 0.5s;
102 }
103 .formulario_hidden-password:checked + .formulario_label_hidden-password {
104   background: url(../resource/ojos-cruzados.svg) no-repeat center center /
105     1.5rem;
106   transition: all 0.5s;
107   -webkit-transition: all 0.5s;
108   -moz-transition: all 0.5s;
109   -ms-transition: all 0.5s;
110   -o-transition: all 0.5s;
111 }

```

```

1  import { useState } from "react";
2  import { useAuth } from "../modules/AuthProvider";
3  import { Navigate } from "react-router-dom";
4  import { useForm } from "react-hook-form";
5  import { userService } from "../modules/user-service";
6
7  export default function LoginForm() {
8    const [email, setEmail] = useState("");
9    const [password, setPassword] = useState("");
10   const auth = useAuth();
11   const { register, handleSubmit } = useForm();
12
13   async function onSubmit(e) {
14     const email = document.getElementById("email").value;
15     const password = document.getElementById("password").value;
16     let idSession = "";
17     if (validate()) {
18       const querySnapshot = await userService.userCollection();
19       querySnapshot.forEach((doc) => {
20         const user = doc.data();
21         if (user.email === email && user.password === password) {
22           idSession = user.idSession;
23           return idSession;
24         }
25       });
26     }
27     if (sessionStorage.getItem("idSession") !== "") {
28       sessionStorage.clear();
29       console.log(sessionStorage.getItem("idSession"));
30       login(idSession);
31       auth.saveUser(sessionStorage.getItem("idSession"));
32     } else {
33       if (idSession !== "") {
34         login(idSession);
35         auth.saveUser(sessionStorage.getItem("idSession"));
36       } else {
37         alert("Datos incorrectos intente nuevamente");
38       }
39     }
40   }
41   const login = (idSession) => {
42     sessionStorage.setItem("idSession", idSession);
43     alert("Inicio de sesion correcto");
44     let x = sessionStorage.getItem("idSession");
45     console.log("sesio " + x);
46     const email = document.getElementById("email");
47     const password = document.getElementById("password");
48     email.value = "";
49     password.value = "";
50   };
51   window.onload = () => {
52     const hiddenPassword = document.getElementById("hidden_password");
53     hiddenPassword.addEventListener("change", (event) => {
54       const password = document.getElementById("password");
55       event.preventDefault();
56       if (hiddenPassword.checked) {
57         password.type = "text";
58       } else {
59         password.type = "password";
60       }
61     });
62   };
63   const validate = () => {
64     const email = document.getElementById("email");
65     const password = document.getElementById("password");
66     if (email.value.length === 0) {
67       alert("Debe rellenas todos los campos");
68       return;
69     }
70     if (password.value.length === 0) {
71       alert("Debe rellenas todos los campos");
72       return;
73     }
74     return true;
75   };
76   if (auth.isAuthenticated) {
77     return <Navigate to="/home" />;
78   }
79   return (
80     <div className="login_container">
81       <h1 className="login_title">Iniciar Sesión</h1>
82       <form
83         className="login_formulario"
84         id="login_form"
85         onSubmit={handleSubmit(onSubmit)}
86       >
87         <div className="formulario_group">
88           <input
89             type="email"
90             id="email"
91             name="email"
92             className="formulario_input"
93             placeholder=" "
94             value={email}
95             onChange={(e) => setEmail(e.target.value)}
96           />
97           <label htmlFor="email" className="formulario_label">
98             Escriba su correo electrónico
99           </label>
100         </div>
101         <div className="formulario_group">
102           <input
103             type="password"
104             id="password"
105             name="password"
106             className="formulario_input"
107             placeholder=" "
108             value={password}
109             onChange={(e) => setPassword(e.target.value)}
110           />
111           <label htmlFor="password" className="formulario_label">
112             Escriba su contraseña
113           </label>
114           <input
115             className="formulario_hidden-password"
116             type="checkbox"
117             name="hidden_password"
118             id="hidden_password"
119           />
120           <label
121             className="formulario_label_hidden-password"
122             htmlFor="hidden_password"
123           ></label>
124         </div>
125         <input
126           type="submit"
127           id="boton"
128           name="login_boton"
129           className="formulario_btn"
130           value="Entrar"
131         />
132       </form>
133     </div>
134   );
135 }

```



```
1  :root {
2    --color_fondo: #f5f5f5;
3    --color_text-title: #464646;
4    --color_text-link: #2a7ae4;
5    --color_fondo-verdeAlura: #eaf2fd;
6    --font-defect: "Raleway";
7  }
8  * {
9    box-sizing: border-box;
10   margin: 0;
11 }
12 body {
13   width: 99vw;
14   background: var(--color_fondo);
15   font-family: var(--font-defect);
16   color: var(--color_text-title);
17   overflow-x: hidden;
18 }
19 h1 {
20   display: block;
21   font-size: 1em;
22   -webkit-margin-before: 0;
23   -webkit-margin-after: 0;
24   -webkit-margin-start: 0;
25   -webkit-margin-end: 0;
26   font-weight: bold;
27 }
28 ul {
29   -webkit-margin-before: 0;
30   -webkit-margin-after: 0;
31   -webkit-margin-start: 0;
32   -webkit-margin-end: 0;
33   -webkit-padding-start: 0;
34   list-style-type: none;
35 }
36 h2 {
37   display: block;
38   font-size: 1em;
39   -webkit-margin-before: 0;
40   -webkit-margin-after: 0;
41   -webkit-margin-start: 0;
42   -webkit-margin-end: 0;
43   font-weight: bold;
44 }
45 a {
46   text-decoration: none;
47   color: inherit;
48 }
49
```

```

1 import { useState } from "react";
2 import { useAuth } from "../modules/AuthProvider";
3 import { Navigate } from "react-router-dom";
4 import { useForm } from "react-hook-form";
5 import { userService } from "../modules/user-service";
6
7 export default function RegisterForm() {
8   const [email, setEmail] = useState("");
9   const [password, setPassword] = useState("");
10   const [nombre, setName] = useState("");
11   const auth = useAuth();
12   const { register, handleSubmit } = useForm();
13   if (auth.isAuthenticated) {
14     return <Navigate to="/home" />;
15   }
16   async function onSubmit(e) {
17     addUser();
18   }
19   const addUser = async () => {
20     const email = document.getElementById("email_register").value;
21     const password = document.getElementById("password_register").value;
22     const name = document.getElementById("nombre").value;
23     let idSession = Math.floor(Math.random() * 40000 + 10000);
24     try {
25       if (validateDates()) {
26         const users = await userService.createUser(
27           email,
28           idSession,
29           password,
30           name
31         );
32         alert("Datos guardados con éxito");
33         console.log("Datos guardados con éxito");
34         window.location.href = "/";
35       }
36     } catch (error) {
37       console.error();
38     }
39   };
40   window.onload = () => {
41     const hiddenPassword = document.getElementById("hidden_password");
42     hiddenPassword.addEventListener("change", (event) => {
43       const password = document.getElementById("password_register");
44       event.preventDefault();
45       if (hiddenPassword.checked) {
46         password.type = "text";
47       } else {
48         password.type = "password";
49       }
50     });
51     document.getElementById("email_register").value = " ";
52   };
53   const validateForm = () => {
54     const email = document.getElementById("email_register");
55     const password = document.getElementById("password_register");
56     const name = document.getElementById("nombre");
57     if (email.value.length === 0) {
58       alert("Debe rellenar todos los campos");
59       return;
60     }
61     if (password.value.length === 0) {
62       alert("Debe rellenar todos los campos");
63       return;
64     }
65     if (name.value.length === 0) {
66       alert("Debe rellenar todos los campos");
67       return;
68     }
69     return true;
70   };
71   if (sessionStorage.getItem("idSession") !== null) {
72     if (auth.isAuthenticated) {
73       window.location.href = "/home";
74     }
75   }
76   return (
77     <div className="container">
78       <div id="login" className="menu_login">
79         <a href="/#" className="login_boton">
80           Home
81         </a>
82       </div>
83       <div className="login_container">
84         <h1 className="login_title">Registrar</h1>
85         <form
86           className="login_formulario"
87           id="register_form"
88           onSubmit={handleSubmit(onSubmit)}
89         >
90           <div className="formulario_group">
91             <input
92               type="text"
93               id="nombre"
94               name="name"
95               className="formulario_input"
96               placeholder=" "
97               value={nombre}
98               onChange={(e) => setName(e.target.value)}
99               autoComplete="off"
100             />
101             <label htmlFor="nombre" className="formulario_label">
102               Escriba su Nombre y Apellido
103             </label>
104           </div>
105           <div className="formulario_group">
106             <input
107               type="email"
108               id="email_register"
109               name="email"
110               className="formulario_input"
111               placeholder=" "
112               value={email}
113               onChange={(e) => setEmail(e.target.value)}
114               autoComplete="off"
115             />
116             <label htmlFor="email_register" className="formulario_label">
117               Escriba su correo electrónico
118             </label>
119           </div>
120           <div className="formulario_group">
121             <input
122               type="password"
123               id="password_register"
124               name="password"
125               className="formulario_input"
126               placeholder=" "
127               value={password}
128               onChange={(e) => setPassword(e.target.value)}
129               autoComplete="off"
130             />
131             <label htmlFor="password_register" className="formulario_label">
132               Escriba su contraseña
133             </label>
134             <input
135               type="checkbox"
136               name="hidden_password"
137               id="hidden_password"
138             />
139             <label
140               className="formulario_label_hidden_password"
141               htmlFor="hidden_password"
142             >
143               hidden_password
144             </label>
145           </div>
146           <input
147             type="submit"
148             id="boton"
149             name="login_boton"
150             className="formulario_bota"
151             value="Registrar"
152           />
153         </form>
154       </div>
155     </div>
156   );
157 }
158

```

```

1 import { Outlet, Navigate } from "react-router-dom";
2 import { useAuth } from "../AuthProvider";
3
4 export default function ProtectedRoute() {
5   const auth = useAuth();
6
7   return auth.isAuthenticated ? <Outlet /> : <Navigate to="/" />;
8 }

```

```

1 import { initializeApp } from "https://www.gstatic.com/firebasejs/9.18.0/firebase-app.js";
2 import {
3   getFirestore,
4   getDocs,
5   addDoc,
6   doc,
7   collection,
8 } from "https://www.gstatic.com/firebasejs/9.18.0/firebase-firestore.js";
9 // TODO: Add SDKs for Firebase products that you want to use
10 // https://firebase.google.com/docs/web/setup#available-libraries
11
12 // Your web app's Firebase configuration
13 const firebaseConfig = {
14   apiKey: "AIzaSyC0fF5Fh7vVhV78rAGhjEv6v15MjNYJ300",
15   authDomain: "portafolio-miguelherrera.firebaseio.com",
16   projectId: "portafolio-miguelherrera",
17   storageBucket: "portafolio-miguelherrera.appspot.com",
18   messagingSenderId: "38753873407",
19   appId: "1:38753873407:web:efb554a10bba9f36608bca",
20 };
21
22 // Initialize Firebase
23 const appFirebase = initializeApp(firebaseConfig);
24
25 /* Metodos CRUD*/
26 const db = getFirestore();
27
28 /* CRUD: Create */
29 const crearUser = (email, idSession, password, userName) =>
30   addDoc(collection(db, "user"), {
31     email,
32     idSession,
33     password,
34     userName,
35   });
36
37 /* CRUD: Read */
38 const userCollection = () => getDocs(collection(db, "user"));
39
40 /*CRUD: Delete*/
41 /* Diseño de menu mediante javascript imitando React*/
42
43 /* Diseño de poput mediante javascript imitando React */
44
45 /*Export de todos Los metodos CRUD*/
46 export const userService = {
47   userCollection,
48   crearUser,
49   appFirebase,
50 };

```

VII. Navegación

Uso de Firebase para el uso de la base de datos.

