File: ./Home.css

```css
1 @media all and (min-width: 520px) {
2   .Home {
3       padding: 60px 0;
4       margin: 0 auto;
5       max-width: 400px;
6   }
7 }
```

File: ./.DS_Store

[binary]

File: ./index.js

```javascript
1 import React from 'react';
2 import ReactDOM from 'react-dom';
3 import './index.css';
4 import Home from './Home';
5
6 ReactDOM.render(
7   <React.StrictMode>
8     <Home />
9   </React.StrictMode>,
10  document.getElementById('root')
11 );
```

File: ./index.css

```css
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 }
```

File: ./Home.js

```javascript
1 import Login from "./components/sections/Login"
2 import "./Home.css"
3
4 function Home() {
5   return (
6     <div className="Home">
7       <h1>Welcome to the Hill+Knowlton Knowledge Base System.</h1>
8       <Login/>
9     </div>
10  );
11 }
12
13 export default Home;
```

File: ./components/sections/UserMan.js

```javascript
1 import { useState } from "react";
2
3 import { postRequest } from "../functions/ApiRequest"
4
5
6 function UserMan() {
7
8     const [uid, setUID] = useState();
9     const [uname, setUname] = useState("");
10    const [pword, setPword] = useState("");
11    const [utype, setUtype] = useState("")
12
13
14    async function saveUserHandler(event) {
15        event.preventDefault();
16            const value = {
17                user_id: uid,
18                username: uname,
19                password: pword,
20                usertype: utype
21            };
22
23            var res = await postRequest("http://localhost:8085/users/", value)
24            console.log(res)
25        }
26
27
28    return (
29        <form>
30            <h1>Add User:</h1>
31            <h3>User ID:</h3>
32            <input type="text" placeholer="UserID: 00000" value={uid} onChange={(e) => setUID(e.target.value)} />
33            <br></br>
34            <h3>Username:</h3>
35            <input type="text" placeholer="Username" value={uname} onChange={e => setUname(e.target.value)} />
36            <br></br>
37            <h3>Password:</h3>
38            <input type="password" placeholer="Password" value={pword} onChange={e => setPword(e.target.value)} />
39            <br></br>
40            <h3>Usertype:</h3>
41            <input type="text" placeholer="Usertype" value={utype} onChange={e => setUtype(e.target.value)} />
42            <br></br>
43            <br></br>
44            <button type="submit" onClick={saveUserHandler}>Add User</button>
45        </form>
46
47
48    )
49 }
50
51 export default UserMan;
52
```

File: ./components/sections/Features.js

```
1  import Project from "../sections/Projects"
2  import Share from "../sections/Share"
3  import UserMan from "../sections/UserMan"
4  import Knowledge from "../sections/Knowledge"
5
6
7  export const GetFeature = (func, id) => {
8
9      if (func === "project") {
10
11          return <Project/>
12
13      } else if (func === "knowledge") {
14          return (
15              <Knowledge/>
16          )
17      } else if (func === "share") {
18          return (
19              <Share/>
20          )
21      } else if (func === "userman") {
22          return (
23              <UserMan/>
24          )
25      }
26
27  }
```

File: ./components/sections/Login.css

```
1  @media all and (min-width: 520px) {
2      .Login {
3          padding: 60px 0;
4      }
5      .Login form {
6          margin: 0 auto;
7          max-width: 400px;
8      }
9  }
```

File: ./components/sections/Users.js

```
1  import React, { useState } from "react";
2  import Button from "react-bootstrap/Button";
3  import { GetFeature } from "../sections/Features"
4
5
6  export const GetUser = (type, id) => {
7      const [feature, setFeature] = useState("");
8      var content = GetFeature(feature, id)
9
10     if (type === "Employee") {
11         return (
12             <div>
13                 <h1 style={{
14                     color: "dodgerblue"
15                 }}>{type} Area</h1>
16                 <h5>Your ID: {id}</h5>
17                 <br></br>
18                 <Button block size="lg" type="button" onClick={() => setFeature("project")}>
19                     My Projects
20                 </Button>
21                 <Button block size="lg" type="button" onClick={() => setFeature("knowledge")}>
22                     Access Knowlegde Base
23                 </Button>
24                 <Button block size="lg" type="button" onClick={() => setFeature("share")}>
25                     Share Project Files
26                 </Button>
27                 <div>{content}</div>
28             </div>
29         )
30
31     }
32     if (type === "Client") {
33         return (
34             <div>
35                 <h1 style={{
36                     color: "limegreen"
37                 }}>{type} Area</h1>
38                 <h5>Your ID: {id}</h5>
39                 <br></br>
40                 <Button block size="lg" type="button" onClick={() => setFeature("project")}>
41                     My Projects
42                 </Button>
43                 <Button block size="lg" type="button" onClick={() => setFeature("knowledge")}>
44                     Access Knowlegde Base
45                 </Button>
46                 <Button block size="lg" type="button" onClick={() => setFeature("share")}>
47                     Share Project Files
48                 </Button>
49                 <div>{content}</div>
50             </div>
51         )
52     }
53     if (type === "Manager") {
54         return (
55             <div>
56                 <h1 style={{
57                     color: "orangered"
58                 }}>{type} Area</h1>
59                 <h5>Your ID: {id}</h5>
60                 <br></br>
61                 <Button block size="lg" type="button" onClick={() => setFeature("project")}>
62                     Manage Projects
63                 </Button>
64                 <Button block size="lg" type="button" onClick={() => setFeature("knowledge")}>
65                     Manager Knowledge
66                 </Button>
67                 <Button block size="lg" type="button" onClick={() => setFeature("userman")}>
68                     Manage Users
69                 </Button>
70                 <div>{content}</div>
71             </div>
72
73         )
74     } else {
75         <div>
76             <h1> Error, please reload the page. </h1>
77         </div>
78     }
79 }
```

File: ./components/sections/Projects.js

```
1  import { useState } from "react";
2  import { postRequest } from "../functions/ApiRequest"
3  import { JsonToTable } from "react-json-to-table";
4
5  function Project()  {
6      var array = [];
7      var i;
8      const [displaydata, setDisplayData] = useState([]);
9      const [data, setData] = useState({
10         user_id: 1
11     })
12     const [membership, setMembership] = useState({
13         team_id: "1"
14     })
15
16
17     const [projectName, setProjectName] = useState('');
18     const [projectDate, setProjectDate] = useState('');
19     const [projectID, setProjectID] = useState(0);
20     const [projectteam, setProjectTeam] = useState(0);
21
22
23     async function projectGet() {
24
25
26
27         var ros = await postRequest("http://localhost:8085/tms/",data);
28         if (ros.message === "success") {
29             setMembership(await ros.data)
30             console.log(membership)
31         }
32
33
34
35         for (i = 0; i <= membership.length; i ++) {
36             var res = await postRequest("http://localhost:8085/userproject/", membership[i]);
37             if (res.message === "success") {
38                 array.push(await res.data)
39                 var newJSON = {
40                     data: array
41                 }
42                 console.log(res.data)
43             }
44         }
45
46     setDisplayData(await newJSON)
47     }
48
49     async function saveProjectsHandler() {
50         const value = {
51             project_id: projectID,
52             name: projectName,
53             startdate: projectDate,
54             projectteam: projectteam,
55             user_id: data.user_id
56         };
57
58         await postRequest("http://localhost:8085/projects/", value)
59
60         await postRequest("http://localhost:8085/teammember/", value)
61
62     }
63
64     return (
65         <div>
66             <h1>My Projects</h1>
67             <h3 style={{color: "grey"}}>Get Projects for ID:</h3>
68             <input type="text" placeholder="#" value={data.user_id} onChange={e => setData({user_id: e.target.value})} />
69             <br></br>
70             <button onClick={() => projectGet()}>Refresh Projects</button>
71             <br></br>
72             <JsonToTable json={displaydata}/>
73
74             <br></br>
75             <hr></hr>
76
77             <h1>Add new Project:</h1>
78             <h3 style={{color: "grey"}}>Project ID:</h3>
79             <input type="text" placeholer="Project ID: 00000" value={projectID} onChange={e => setProjectID(e.target.value)} />
80             <br></br>
81             <h3 style={{color: "grey"}}>Project Name:</h3>
82             <input type="text" placeholer="Project Name" value={projectName} onChange={e => setProjectName(e.target.value)} />
83             <br></br>
84             <h3 style={{color: "grey"}}>Project Start Date:</h3>
85             <input type="text" placeholer="Project Start Date: ex. 15-12-2020" value={projectDate} onChange={e => setProjectDate(e.target.value)} />
86             <br></br>
87             <h3 style={{color: "grey"}}>Project Team::</h3>
88             <input type="text" placeholer="Projectteam" value={projectteam} onChange={e => setProjectTeam(e.target.value)} />
89             <br></br>
90             <button onClick={saveProjectsHandler}>Add Project</button>
91         </div>
92     )
93 }
94
95 export default Project;
```

File: ./components/sections/Login.js

```jsx
1  import "./Login.css";
2
3  import React, { useState } from "react";
4
5  import Form from "react-bootstrap/Form";
6  import Button from "react-bootstrap/Button";
7
8  import { loginRequest } from "../functions/ApiRequest";
9  import { GetUser } from "../sections/Users";
10
11 const Login = () => {
12
13     const [user_id, setUser_Id] = useState(0);
14     const [username, setUsername] = useState("");
15     const [password, setPassword] = useState("");
16     const [alert, setAlert] = useState("");
17     const [usertype, setUsertype] = useState("");
18     const [feature, setFeature] = useState("");
19
20
21
22     const [isLoggedIn, setIsLoggedIn] = useState(false);
23
24     function validateForm() {
25         return username.length > 0 && password.length > 0;
26     }
27
28     async function handleSubmit(event) {
29         event.preventDefault();
30         console.log("Login clicked!");
31         var requestData = {
32             username: username,
33             password: password
34         }
35         var res = await loginRequest(requestData);
36         console.log(res)
37         if (res.message === "success") {
38             setUsertype(res.data)
39             setUser_Id(res.user_id)
40             setIsLoggedIn(true)
41         } else {
42             setAlert("Username or Password incorrect.")
43         }
44     }
45
46     var userarea = GetUser(usertype, user_id)
47
48 if (isLoggedIn === false) {
49     return (
50         <div className="Login">
51             <Form onSubmit={handleSubmit}>
52                 <h4>Please sign in to access the H+K Knowledge Base:</h4>
53                 <Form.Group size="lg" controlId="username">
54                     <Form.Label>Username</Form.Label>
55                     <Form.Control autoFocus type="username" value={username} onChange={(e) => setUsername(e.target.value)} />
56                 </Form.Group>
57                 <Form.Group size="lg" controlId="password">
58                     <Form.Label>Password</Form.Label>
59                     <Form.Control type="password" value={password} onChange={(e) => setPassword(e.target.value)} />
60                 </Form.Group>
61                 <Button block size="lg" type="submit" disabled={!validateForm()}>
62                     Login
63                 </Button>
64                 <h5 style={{
65                     color: "orangered",
66                 }}>{alert}</h5>
67
68                 <h6 style={{
69                     color: "grey",
70                 }}>For this demo, you can login using "employee", "client" or "manager" as username and password.
71                 Login as manager to create new users, you can then also login with.
72                 </h6>
73
74             </Form>
75         </div>
76     )
77 } else {
78     return (
79         <div>
80             <div>{userarea}</div>
81             <br></br>
82             <hr></hr>
83             <br></br>
84             <Button block size="lg" onClick={() => setIsLoggedIn(false)}>Logout</Button>
85         </div>
86
87     )
88 }
89
90 };
91
92 export default Login;
```

File: ./components/sections/Knowledge.js

```jsx
1  function Knowledge() {
2
3      return(
4          <div>
5              <h1>Knowledge</h1>
6              <h3>Knowlegde Base function not implemented</h3>
7          </div>
8      )
9  }
10
11 export default Knowledge;
```

File: ./components/sections/Share.js

```jsx
1
2
3  function Share() {
4
5      return(
6          <div>
7              <h1>Share</h1>
8              <h3>Share function not implemented</h3>
9          </div>
10     )
11 }
12
13 export default Share;
```

File: ./components/functions/ApiRequest.js

```
1  import axios from "axios";
2
3
4
5  export const getRequest = (url) => {
6      let result = axios.get(url)
7      .then((response) => {
8          var resData = response.data;
9          let data = JSON.stringify(resData);
10         window.alert("Response = " + data);
11         return resData;
12     });
13     return result;
14 }
15
16
17 export const postRequest = (url, data) => {
18     let result = axios.post(url, data)
19     .then((response) => {
20         var resData = response.data;
21         // let data = JSON.stringify(resData);
22         // window.alert("Response = " + data);
23         if (resData.message === "success") {
24             return(resData);
25         } else {
26             return ({
27                 message: "fail"
28             });
29         }
30     });
31     return result;
32 }
33
34 export const loginRequest = (data) => {
35     let validation = axios.post("http://localhost:8085/users/login", data)
36     .then((response) => {
37         var resData = response.data;
38         if (resData.message === "success") {
39             return ({
40                 message: "success",
41                 data: resData.data,
42                 user_id: resData.user_id
43             }
44             );
45         } else {
46             return ({
47                 message: "fail",
48                 data: resData.message
49             }
50             );
51         }
52     })
53     return validation;
54 }
```