

I. Employee management website

- Create class Employee to store information of employees, in file Employee.js

```

employee.js x
model > employee.js > Employee > getDateWorkValue
1  class Employee {
2      constructor(accValue="", nameValue="", emailValue="", pwdValue = "", dateworkValue = "", luongCB = "", chucvuValue = "", gioLamValue = "") {
3          this.accValue = accValue;
4          this.nameValue = nameValue;
5          this.emailValue = emailValue;
6          this.pwdValue = pwdValue;
7          this.dateworkValue = dateworkValue;
8          this.luongCB = luongCB;
9          this.chucvuValue = chucvuValue;
10         this.gioLamValue = gioLamValue;
11     }
12     getAccValue(){
13         return this.accValue
14     }
15     setAccValue(accValue) {
16         this.accValue = accValue
17     }
18     getNameValue(){
19         return this.nameValue
20     }
21     setNameValue(nameValue) {
22         this.nameValue = nameValue
23     }
24     getEmailValue(){
25         return this.emailValue
26     }
27     setEmailValue(emailValue) {
28         this.emailValue = emailValue
29     }
30     getPwdValue(){
31         return this.pwdValue
32     }
33     setPwdValue(pwdValue) {
34         this.pwdValue = pwdValue
35     }
36     getDateWorkValue(){
37         return this.dateworkValue
38     }
39     setDateWorkValue(dateworkValue) {
40         this.dateworkValue = dateworkValue
41     }
42     getLuongCB(){
43         return this.luongCB
44     }

```

+ Contains properties, accValue, nameValue, emailValue, pwdValue, dateworkValue, luongCB, chucvuValue, gioLamValue, and has get() and set() methods

- Create function when we click “Thêm người dùng” button

```

16  document.getElementById("btnThem").onclick = function() {
17      let buttonThem = document.getElementById("btnThemNV");
18      buttonThem.classList.remove('hidden-btn');
19
20      let buttonCapNhat = document.getElementById("btnCapNhat");
21      buttonCapNhat.classList.add('hidden-btn');
22      document.getElementById("header-title").innerHTML = "Log In";
23
24
25  }

```

- Create a function when we click the "Thêm nhân viên" button in the modal:

```

26 document.getElementById("btnThemNV").onclick = function(nene) {
27
28     let accValue = document.getElementById("tknv").value
29     let nameValue = document.getElementById("name").value
30     let emailValue = document.getElementById("email").value
31     let dateworkValue = document.getElementById("datepicker").value
32     let pwdValue = document.getElementById("password").value
33     let luongCB = document.getElementById("luongCB").value
34     let chucvuValue = document.getElementById("chucvu").value
35     let gioLamValue = document.getElementById("gioLam").value
36     var newEmployee = new Employee(accValue, nameValue, emailValue, dateworkValue, pwdValue, luongCB, chucvuValue, gioLamValue)
37     allNameEmployees.push(newEmployee)
38
39     // ** create new employee
40     // First, let's get the table body element by its ID
41     let tableBody = document.getElementById("tableDanhSach");
42     let newRow = document.createElement("tr");
43     let cell1 = document.createElement("td");
44     cell1.textContent = newEmployee.getAccValue()
45     newRow.appendChild(cell1);
46
47     if (allNameEmployees.indexOf(accValue)===-1) {
48         allNameEmployees.push(accValue)
49         console.log(allNameEmployees)
50
51         let cell2 = document.createElement("td");
52         cell2.textContent = newEmployee.getNameValue();
53         newRow.appendChild(cell2);
54
55         let cell3 = document.createElement("td");
56         cell3.textContent = newEmployee.getEmailValue();
57         newRow.appendChild(cell3);
58
59         let cell4 = document.createElement("td");
60         cell4.textContent = newEmployee.getGioLamValue();
61         newRow.appendChild(cell4);
62

```

+ Save input values in modal, then display a table, each row is an employee of 8 cells

- Function when clicking Delete button:

```

90 deleteButton.addEventListener("click", function() {
91
92     if (confirm("Are you sure you want to delete this User?")) {
93         newRow.remove();
94     }
95 });

```

- Function when clicking the Edit button:

```

96 // event for edit button
97 editButton.accValue = accValue
98 editButton.addEventListener("click", function(e) {
99     editButton.setAttribute("data-toggle", "modal");
100     editButton.setAttribute("data-target", "#myModal");
101     let row = this.parentNode.parentNode
102
103     let employeeId = e.srcElement.accValue
104     console.log("+++++IDEmployees", employeeId)
105
106     let updatedEmployees = allNameEmployees.filter(em => em.accValue === employeeId)
107
108     let updatedEmployee = updatedEmployees[0]
109
110     document.getElementById("tknv").value = updatedEmployee.accValue
111     document.getElementById("name").value = updatedEmployee.nameValue
112     document.getElementById("email").value = updatedEmployee.emailValue
113     document.getElementById("datepicker").value = updatedEmployee.dateworkValue
114     document.getElementById("password").value = updatedEmployee.pwdValue
115     document.getElementById("luongCB").value = updatedEmployee.luongCB
116     document.getElementById("chucvu").value = updatedEmployee.chucvuValue
117     document.getElementById("gioLam").value = updatedEmployee.gioLamValue
118
119     update()
120

```

+ Change modal to update modal

```

5  function update() {
6      document.getElementById("header-title").innerHTML = "Update user";
7
8      let buttonThem = document.getElementById("btnThemNV");
9      buttonThem.classList.add('hidden-btn');
10
11     let buttonCapNhat = document.getElementById("btnCapNhat");
12     buttonCapNhat.classList.remove('hidden-btn');
13
14 }
15

```

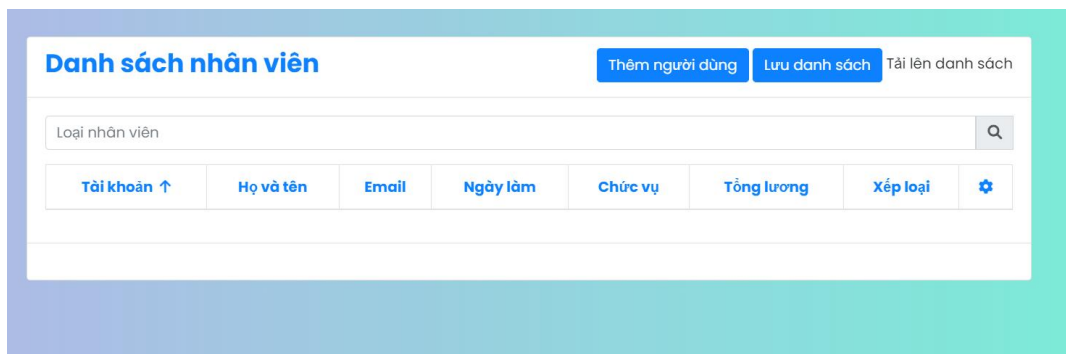
- Function when clicking the Update button, save the changed values:

```

121 let updateButton = document.getElementById("btnCapNhat")
122 updateButton.addEventListener("click", function(ne) {
123
124     row.cells[1].innerHTML = document.getElementById("name").value
125     row.cells[2].innerHTML = document.getElementById("email").value
126     row.cells[3].innerHTML = document.getElementById("datepicker").value
127     row.cells[4].innerHTML = document.getElementById("chucvu").value
128     row.cells[5].innerHTML = document.getElementById("luongCB").value * document.getElementById("giolam").value
129 })
130 });
131

```

- Click “Lưu danh sách” button:



```

139 document.getElementById("btnLuu").onclick = function() {
140     let table = document.getElementById("tableDanhSach");
141     let tableData = [];
142     console.log(table.rows.length)
143
144
145     for (let i = 0; i < table.rows.length; i++) {
146         let rowData = {};
147         for (let j = 0; j < table.rows[i].cells.length; j++) {
148             rowData["Col" + j] = table.rows[i].cells[j].innerHTML;
149         }
150
151         tableData.push(rowData);
152     }
153     console.log(tableData)
154     let jsonString = JSON.stringify(tableData)
155     let blob = new Blob([jsonString], { type: "application/json" });
156
157     let link = document.createElement("a");
158     link.href = URL.createObjectURL(blob);
159     link.download = "tableData.json";
160
161     link.click();
162 }
163
164

```

+ Save the information in the table into the file "tableData.json"

- Function when clicking "Upload list" button:

```

165 document.getElementById("Tailen").onclick = function(ne) {
166     let fileInput = document.getElementById("Tailen");
167     console.log("hello!")
168     console.log(fileInput)
169     fileInput.addEventListener("change", function() {
170         let selectedFile = fileInput.files[0];
171         let reader = new FileReader();
172         reader.readAsText(selectedFile)
173         reader.onload = xuLyFile
174     })
175 }
176 function xuLyFile(e) {
177     let noiDung = e.target.result;
178     let JsonToJS = JSON.parse(noiDung)
179
180     for (let i = 0; i < JsonToJS.length; i++) {
181         let tableBody = document.getElementById("tableDanhSach");
182         console.log(tableBody)
183         let newRow = document.createElement("tr");
184         for (let j = 0; j < 8; j++) {
185             if (j === 7) {
186                 let cell8 = document.createElement("td");
187                 var editButton = document.createElement("button");
188                 editButton.textContent = "edit";
189                 editButton.classList.add("btn", "btn-warning", "btn-sm");
190                 cell8.appendChild(editButton);
191
192                 var deleteButton = document.createElement("button");
193                 deleteButton.textContent = "Del";
194                 deleteButton.classList.add("btn", "btn-danger", "btn-sm", "ml-2");
195                 cell8.appendChild(deleteButton);
196
197                 newRow.appendChild(cell8);
198             }
199             else {
200                 let k = JsonToJS[i][`col${j}`]
201
202                 let cell = document.createElement("td");
203                 cell.textContent = k
204                 newRow.appendChild(cell)
205             }
206         }
207     }
208     tableBody.appendChild(newRow);
209 }
210
211 }

```

+ Select the JSON file, then the "List of employees" will appear.