Assignment Week 4 – JavaScript & Version Control

Soal Homework

Buatlah 1 buah halaman yang berisi form dan tabel.

Form dan tabel terpisah menjadi 2 buah tab dengan nama tab Registrasi dan tab List Pendaftar.

Form memiliki isian:

- Nama minimal 10 karakter
- Umur minimal 25 tahun
- Uang sangu minimal 100 ribu dan maksimal 1 juta

Setiap melakukan submit akan dicek berdasarkan kriteria tersebut, data tidak akan bisa tersimpan jika kriteria masih salah.

Pada tab List pendaftar akan berisi tabel yang berisi pendaftar dan resume dibawahnya, isi resume seperti berikut Rata rata pendaftar memiliki uang sangu sebesar [nilai rata rata uang sangu] dengan rata rata umur [nilai rata rata umur]

Catatan:

- Imajinasikan dan coba terapkan salah satu konsep OOP dan Asynchronous dalam menyelesaikan masalah tersebut
- Push ke REPO dan upload link REPO, tolong repo dalam status public
- Gunakan framework CSS untuk membuat tampilan lebih menarik

Code HTML:

```
<!DOCTYPE html>
<html lang="en">
   <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Registrasi dan List Pendaftar</title>
   link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.1/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
4bw+/aepP/YC94hEpVNVgiZdgIC5+VKNBQNGCHeKRQN+PtmoHDEXuppvnDJzQIu9"
crossorigin="anonymous">
   <link href="style.css" rel="stylesheet">
</head>
<body>
   <div class="container mt-5">
       <a class="nav-link active" id="registrasi-tab" data-</pre>
toggle="tab" href="#registrasi" role="tab" aria-controls="registrasi" aria-
selected="true">Registrasi</a>
           <a class="nav-link" id="list-tab" data-toggle="tab"</pre>
href="#list" role="tab" aria-controls="list" aria-selected="false">List
Pendaftar</a>
           <div class="tab-content" id="myTabContent">
           <div class="tab-pane fade show active" id="registrasi"</pre>
role="tabpanel" aria-labelledby="registrasi-tab">
               <!-- Form Registrasi -->
               <form id="registrasiForm">
                  <div class="form-group mt-1">
                      <label for="nama">Nama</label>
                      <input type="text" class="form-control" id="nama"</pre>
name="nama" required>
                   </div>
                  <div class="form-group mt-1">
                      <label for="umur">Umur</label>
                      <input type="number" class="form-control" id="umur"</pre>
name="umur" required>
                   </div>
                   <div class="form-group mt-1">
                      <label for="uang">Uang Sangu</label>
                      <input type="number" class="form-control" id="uang"</pre>
name="uang" required>
                  </div>
```

```
<button type="submit" class="btn submitbtn mt-</pre>
3">Submit</button>
               </form>
           </div>
           <div class="tab-pane fade" id="list" role="tabpanel" aria-</pre>
labelledby="list-tab">
               <!-- Tabel List Pendaftar -->
               Nama
                          Umur
                          Uang Sangu
                      </thead>
                  <!-- Data pendaftar akan ditampilkan di sini -->
                  <div id="resumePendaftar" class="text-center"></div>
           </div>
       </div>
   </div>
    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"</pre>
integrity="sha384-
q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.14.7/dist/umd/popper.min.js"
integrity="sha384-
UO2eT0CpHqdSJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script>
   <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/js/bootstrap.min.js"
integrity="sha384-
JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07jRM"
crossorigin="anonymous"></script>
   <script src="script.js"></script>
</body>
```

Code CSS:

```
body {
    background-color: #202020;
    color:#fff
}
```

```
.datapenting {
    color:#b790ff
/*buttons*/
.submitbtn {
   margin-top: 10rem;
   background-color: #6f42c1;
   color: #fff;
.submitbtn:hover {
   background-color: #fff;
    color: #6f42c1;
.nav-item a{
   color: #fff;
.nav-tabs{
    border-color: #6f42c1;
.nav-item .nav-link.active{
   background-color: #6f42c1;
   border-color: #6f42c1;
    color:#fff
.nav-item:hover a:hover{
   color: #b790ff;
   border-color: #6f42c1;
.nav-item:hover a.active:hover{
    color: #fff;
/*forms*/
.form-control {
   background-color: #353535;
   border-color:#353535;
   color:#fff;
   margin-top: 5px;
```

```
.form-control:focus {
    background-color: #353535;
    border-color:#6f42c1;
    box-shadow: 1px 1px 1px #6e42c149 inset, 0px 0px 8px #6e42c1;
    color: #fff;
}

/*table*/
table th{
    background-color: #202020 !important;
    color:#fff !important;
    border-color: #6e42c1;
}
table td{
    background-color: #202020 !important;
    color:#fff !important;
    border-color: #6e42c1;
}
```

Code JavaScript:

```
// Konstruktor untuk objek Pendaftar
function Pendaftar(nama, umur, uang) {
    this.nama = nama;
    this.umur = umur;
    this.uang = uang;
// Konstruktor untuk objek PendaftarList
function PendaftarList() {
    this.pendaftarData = [];
    this.addPendaftar = function (pendaftar) {
        this.pendaftarData.push(pendaftar);
    };
    this.displayPendaftar = function () {
        const pendaftarList = document.getElementById('pendaftarList');
        const resumePendaftar = document.getElementById('resumePendaftar');
        // Hapus data sebelumnya
        pendaftarList.innerHTML = '';
        resumePendaftar.textContent = '';
        // Tampilkan data pendaftar
        this.pendaftarData.forEach((data) => {
```

```
const row = document.createElement('tr');
            row.innerHTML = `
                ${data.nama}
                ${data.umur}
                ${data.uang}
            pendaftarList.appendChild(row);
        });
        // Tampilkan resume rata-rata pendaftar
        resumePendaftar.innerHTML = `Rata-rata pendaftar memiliki uang
sangu sebesar <span
class="datapenting">${this.calculateAverageUangSangu()}/span> dengan rata-
rata umur <span
class="datapenting">${this.calculateAverageUmur()}</span>`;
    };
    this.calculateAverageUangSangu = function () {
        const totalUangSangu = this.pendaftarData.reduce((sum, data) => sum +
data.uang, 0);
        return this.pendaftarData.length > 0 ? (totalUangSangu /
this.pendaftarData.length).toFixed(2) : 0;
    this.calculateAverageUmur = function () {
        const totalUmur = this.pendaftarData.reduce((sum, data) => sum +
data.umur, 0);
        return this.pendaftarData.length > 0 ? (totalUmur /
this.pendaftarData.length).toFixed(2) : 0;
    };
// Handle submit form
document.getElementById('registrasiForm').addEventListener('submit', function
(e) {
    e.preventDefault();
    // Validasi form
    const nama = document.getElementById('nama').value;
    const umur = parseInt(document.getElementById('umur').value);
    const uang = parseInt(document.getElementById('uang').value);
    if (nama.length < 10) {
        alert('Nama harus lebih dari 10 karakter.');
        return;
    } else if (umur < 25) {</pre>
        alert('Umur harus diatas 25 tahun.');
        return;
```

```
} else if (uang < 100000) {
    alert('Uang sangu minimal 100000.');
    return;
} else if (uang > 1000000) {
    alert('Uang sangu tidak bisa diatas 1000000.');
    return;
}

// Buat objek Pendaftar
const pendaftar = new Pendaftar(nama, umur, uang);

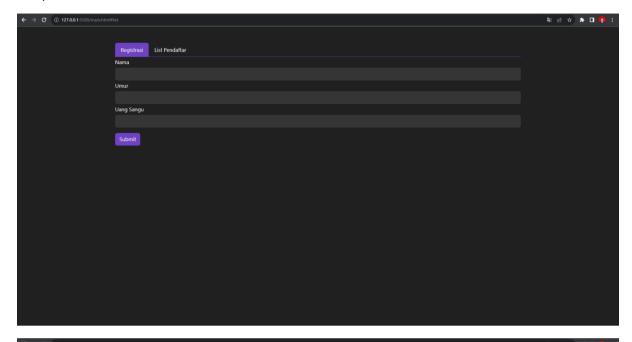
// Tambahkan objek Pendaftar ke PendaftarList
pendaftarList.addPendaftar(pendaftar);

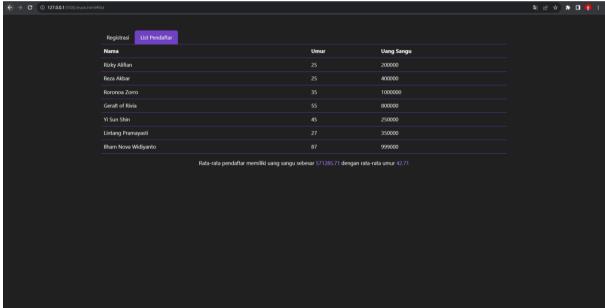
// Reset form
    this.reset();

// Tampilkan data pendaftar
pendaftarList.displayPendaftar();
});

// Buat objek PendaftarList
const pendaftarList = new PendaftarList();
```

Tampilan HTML:





Push to Repo:

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\artif\videos\Rakamin Resources\Week 5 - Assignments"

PS C:\Users\artif\videos\Rakamin Resources\Week 5 - Assignments"

PS C:\Users\artif\videos\Rakamin Resources\Week 5 - Assignments git init
Initialized empty Git repository in C:/Users/artif/Videos/Rakamin Resources\Week 5 - Assignments git add.

PS C:\Users\artif\videos\Rakamin Resources\Week 5 - Assignments git commit -m "Commit Registrasi User Webpage"

[master (root-commit) 3ba3fb4] Commit Registrasi User Webpage

4 files changed, 220 insertions(+)
create mode 100644 Assignment Week 5.pdf
create mode 100644 main.html
create mode 100644 style.cs

PS C:\Users\artif\videos\Rakamin Resources\Week 5 - Assignments) git branch -M main

PS C:\Users\artif\videos\Rakamin Resources\Week 5 - Assignments) git remote add origin git@github.com:Majindesu/registrasiUser.git

PS C:\Users\artif\videos\Rakamin Resources\Week 5 - Assignments) git push -u origin main
formerating objects: 100% (6/6), done.

Counting objects: 100% (6/6), done.

Writing objects: 100% (6/6), done.

Writing objects: 100% (6/6), done.

Writing objects: 100% (6/6), mack-reused 0

To github.com:Majindesu/registrasiUser.git

* [new branch] main > main > main
branch 'main' set up to track 'origin/main'.

PS C:\Users\artif\videos\Rakamin Resources\Week 5 - Assignments>
```