# Pertemuan 3 : Java Script

# Tugas 3 : Savory Station

| Nama / Nim | : Ahmad Alfin Dahlin / 2318128 |
|---|---|
| Kelas | : F |
| Pengajar | : Conly Ariella Masangin / 2218111 |

## 3.1 Tujuan

1. Praktikan dapat memahami java script

2. Praktikan dapat menerapkan java script

3. Praktikan dapat mengimplementasikan java script

## 3.2 Alat dan Bahan

1. Laptop/pc

2. Modul Praktikum Web 2024

3. TextEditor (Visual Studio Code / Sublime Text)

## 3.3 Langkah-langkah

1. index.html (DOM)

Source code :

```
<html lang="en">
<head>
    <meta charset="UTF-8">
     <meta  name="viewport"  content="width=device-width,  initial-
scale=1.0">
    <title>Savorystation - Sign In</title>
    <script src="https://cdn.tailwindcss.com"></script>
         <link    href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.3/css/all.min.css" rel="stylesheet"/>
                                                          <link
href="https://fonts.googleapis.com/css2?family=Roboto:wght@400;700&dis
play=swap" rel="stylesheet"/>
    <style>
        body {
            font-family: 'Roboto', sans-serif;
            background-color: white;
        }

        header {
            background-color: #f5e9dc;
            padding: 1rem 0;
        }

        header .container {
            display: flex;
```

```css
        justify-content: space-between;
        align-items: center;
    }

    header img {
        height: 3rem;
        width: 3rem;
    }

    header nav a {
        color: black;
        margin-left: 2rem;
        text-decoration: none;
    }

    header nav a:hover {
        color: #4a4a4a;
    }

    main {
        display: flex;
        justify-content: center;
        align-items: center;
        height: 100vh;
        background-size: cover;
        background-position: center;
    }

    main .form-container {
        background-color: rgba(255, 255, 255, 0.75);
        padding: 2rem;
        border-radius: 0.5rem;
        box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
        display: flex;
    }

    main .form-container img {
        border-radius: 0.5rem;
        max-width: 100%;
        height: auto;
    }

    main .form-container .form-content {
        margin-left: 2rem;
        display: flex;
        flex-direction: column;
        align-items: center;
    }

    main .form-container h2 {
        font-size: 2rem;
        font-weight: bold;
        color: #006400;
        margin-bottom: 1rem;
        text-align: center;
    }
```

```css
main .form-container .social-login {
    display: flex;
    gap: 1rem;
    margin-bottom: 1rem;
}

main .form-container .social-login button {
    background-color: #f0f0f0;
    padding: 0.5rem;
    border-radius: 50%;
    border: none;
    cursor: pointer;
}

main .form-container .social-login button i {
    color: #333;
}

main .form-container form {
    width: 100%;
}

main .form-container form .input-group {
    margin-bottom: 1rem;
    position: relative;
}

main .form-container form .input-group input {
    width: 100%;
    padding: 0.5rem 0.75rem 0.5rem 2.5rem;
    border: 1px solid #ccc;
    border-radius: 0.5rem;
}

main .form-container form .input-group i {
    position: absolute;
    left: 0.75rem;
    top: 50%;
    transform: translateY(-50%);
    color: #999;
}

main .form-container form button[type="submit"] {
    width: 100%;
    background-color: #006400;
    color: white;
    padding: 0.75rem;
    border-radius: 0.5rem;
    cursor: pointer;
    border: none;
    font-size: 1rem;
}

/* Link */
main .form-container .register-link {
    margin-top: 1rem;
    color: #007bff;
```

```html
                text-decoration: none;
        }

        main .form-container .register-link:hover {
            text-decoration: underline;
        }
    </style>
</head>
<body class="bg-white">

    <header class="bg-[#f5e9dc] py-4">
        <div class="container mx-auto flex justify-between items-
center">
            <div class="flex items-center">
                <img src="logo.png" alt="Sunny Kitchen Logo" class="h-
12 w-12" width="50" height="50">
            </div>
            <nav class="space-x-8">
                <a href="menu.html" class="text-black">Menu</a>
                <a href="#" class="text-black">Reservations</a>
                <a href="#" class="text-black">Contact Us</a>
                <a href="index.html" class="text-black">Login</a>
            </nav>
        </div>
    </header>

    <main class="flex justify-center items-center h-screen bg-cover bg-
center" style="background-image: url('bg.png');">
        <div class="form-container bg-white bg-opacity-75 p-8 rounded-
lg shadow-lg flex">
            <div class="w-1/2">
                                                               <img
src="https://storage.googleapis.com/a1aa/image/tewoxADHXelvfoCXx9chIXe
AKaI76tuA9xCxDxJRh5IcaRWOB.jpg"       alt="Delicious      food     dishes"
class="rounded-lg" width="400" height="400">
            </div>
             <div class="form-content w-1/2 pl-8 flex flex-col items-
center">
                <h2 class="text-3xl font-bold text-green-800 mb-4 text-
center">Sign In</h2>
                <div class="social-login flex space-x-4 mb-4">
                    <button class="bg-gray-200 p-2 rounded-full"><i
class="fab fa-google"></i></button>
                    <button class="bg-gray-200 p-2 rounded-full"><i
class="fab fa-facebook-f"></i></button>
                    <button class="bg-gray-200 p-2 rounded-full"><i
class="fab fa-github"></i></button>
                    <button class="bg-gray-200 p-2 rounded-full"><i
class="fab fa-linkedin-in"></i></button>
                </div>
                <form class="w-full">
                    <div class="input-group mb-4">
                        <label for="email" class="sr-only">Email</label>
                         <div class="relative">
                                        <input type="email" id="email"
placeholder="Email" class="w-full p-2 border border-gray-300 rounded-
lg pl-10">
```

```html
                        <i class="fas fa-user absolute left-3 top-3 text-gray-400"></i>
                    </div>
                </div>
                <div class="input-group mb-4">
                    <label for="password" class="sr-only">Password</label>
                    <div class="relative">
                        <input type="password" id="password" placeholder="Password" class="w-full p-2 border border-gray-300 rounded-lg pl-10">
                        <i class="fas fa-lock absolute left-3 top-3 text-gray-400"></i>
                    </div>
                </div>
                <button type="submit" class="w-full bg-green-800 text-white p-2 rounded-lg">Submit</button>
            </form>
            <a href="register.html" class="register-link text-blue-600 mt-4 inline-block">belum mempunyai akun</a>
        </div>
    </div>
    </main>
    <script src="https://cdn.jsdelivr.net/npm/sweetalert2@11"></script>
    <script>
        document.querySelector("form").addEventListener("submit", function(event) {
        event.preventDefault();

        Swal.fire({
            icon: "success",
            title: "Login Berhasil",
            showConfirmButton: false,
            timer: 1500
        });
    });
    </script>
</body>
</html>
```
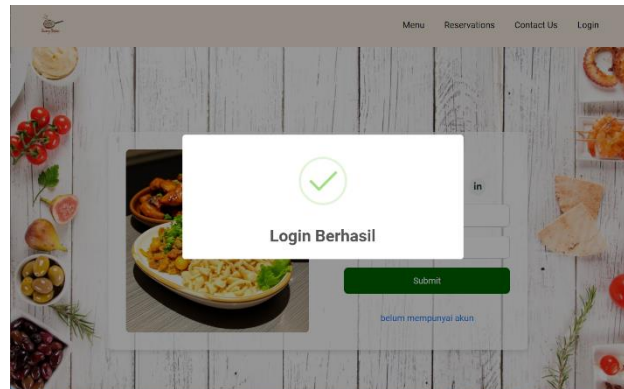
Hasil Tampilan :



Gambar 3.1 Tampilan DOM

Analisa :

Pada program di atas, JavaScript digunakan untuk menangani event saat tombol submit ditekan dalam formulir login. Dengan menambahkan event listener pada elemen form, fungsi ini mencegah pengiriman formulir default menggunakan event.preventDefault(), sehingga memungkinkan pengelolaan hasil login secara lebih interaktif. Selanjutnya, sebuah notifikasi sukses ditampilkan menggunakan SweetAlert2, memberikan umpan balik visual kepada pengguna bahwa login telah berhasil dalam waktu 1,5 detik sebelum notifikasi menghilang.

2. Login.html Snack Bar/Toast

Source code :

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
      <meta  name="viewport"  content="width=device-width,  initial-
scale=1.0">
    <title>Savorystation - Sign In</title>
    <script src="https://cdn.tailwindcss.com"></script>
          <link    href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.3/css/all.min.css" rel="stylesheet"/>
                                                          <link
href="https://fonts.googleapis.com/css2?family=Roboto:wght@400;700&dis
play=swap" rel="stylesheet"/>
    <style>
        body {
            font-family: 'Roboto', sans-serif;
        }

        header {
            background-color: #f5e9dc;
            padding: 1rem 0;
```

```css
        }

        header .container {
            display: flex;
            justify-content: space-between;
            align-items: center;
        }

        header img {
            height: 3rem;
            width: 3rem;
        }

        header nav a {
            color: black;
            margin-left: 2rem;
            text-decoration: none;
        }

        main {
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            background-size: cover;
        }

        main .bg-white {
            background-color: rgba(255, 255, 255, 0.9);
        }

        main .p-8 {
            padding: 2rem;
        }

        main .rounded-lg {
            border-radius: 0.5rem;
        }

        main .shadow-lg {
            box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
        }

        main .pl-8 {
            padding-left: 2rem;
        }

        main .text-3xl {
            font-size: 1.875rem;
        }

        main .font-bold {
            font-weight: 700;
        }

        main .text-green-800 {
            color: #006400;
```

```css
        }

        main .mb-4 {
            margin-bottom: 1rem;
        }

        main form .mb-4 {
            margin-bottom: 1rem;
        }

        main form .relative {
            position: relative;
        }

        main form input {
            width: 100%;
            padding: 0.5rem 0.75rem 0.5rem 2.5rem;
            border: 1px solid #ccc;
            border-radius: 0.5rem;
        }

        main form i {
            position: absolute;
            left: 0.75rem;
            top: 50%;
            transform: translateY(-50%);
            color: #999;
        }

        main form button[type="submit"] {
            width: 100%;
            background-color: #006400;
            color: white;
            padding: 0.75rem;
            border-radius: 0.5rem;
            cursor: pointer;
            border: none;
            font-size: 1rem;
        }

        main a {
            color: #007bff;
            text-decoration: none;
            margin-top: 1rem;
        }

        main a:hover {
            text-decoration: underline;
        }

        #snackbar {
            visibility: hidden;
            min-width: 250px;
            margin-left: -125px;
            background-color: #333;
            color: #fff;
            text-align: center;
```

```
                border-radius: 2px;
                padding: 16px;
                position: fixed;
                z-index: 1;
                left: 50%;
                bottom: 30px;
                font-size: 17px;
            }

            #snackbar.show {
                visibility: visible;
                -webkit-animation: fadein 0.5s, fadeout 0.5s 2.5s;
                animation: fadein 0.5s, fadeout 0.5s 2.5s;
            }

            @-webkit-keyframes fadein {
                from {bottom: 0; opacity: 0;}
                to {bottom: 30px; opacity: 1;}
            }

            @keyframes fadein {
                from {bottom: 0; opacity: 0;}
                to {bottom: 30px; opacity: 1;}
            }

            @-webkit-keyframes fadeout {
                from {bottom: 30px; opacity: 1;}
                to {bottom: 0; opacity: 0;}
            }

            @keyframes fadeout {
                from {bottom: 30px; opacity: 1;}
                to {bottom: 0; opacity: 0;}
            }
    </style>
</head>
<body class="bg-white">

    <header class="bg-[#f5e9dc] py-4">
        <div class="container mx-auto flex justify-between items-
center">
            <div class="flex items-center">
                <img src="logo.png" alt="Sunny Kitchen Logo" class="h-
12 w-12" width="50" height="50">
            </div>
            <nav class="space-x-8">
                <a href="menu.html" class="text-black">Menu</a>
                <a href="#" class="text-black">Reservations</a>
                <a href="#" class="text-black">Contact Us</a>
                <a href="index.html" class="text-black">Login</a>
            </nav>
        </div>
    </header>

    <main class="flex justify-center items-center h-screen bg-cover"
style="background-image: url('bg.png');">
```

```html
        <div class="bg-white bg-opacity-90 p-8 rounded-lg shadow-lg
flex">
            <div class="w-1/2">
                                                                <img
src="https://storage.googleapis.com/a1aa/image/tewoxADHXelvfoCXx9chIXe
AKaI76tuA9xCxDxJRh5IcaRWOB.jpg"      alt="Delicious      food      dishes"
class="rounded-lg" width="400" height="400">
            </div>
            <div class="w-1/2 pl-8 flex flex-col items-center">
                <h2 class="text-3xl font-bold text-green-800 mb-4">Sign
Up</h2>
                <form class="w-full" onsubmit="event.preventDefault();
showSnackbar();">
                    <div class="mb-4">
                        <label for="first_name" class="sr-only">First
Name</label>
                        <div class="relative">
                                <input type="text" id="first_name"
placeholder="First  Name"  class="w-full  p-2  border  border-gray-300
rounded-lg pl-10">
                            <i class="fas fa-user-circle absolute left-
3 top-5 text-gray-400"></i>
                        </div>
                    </div>
                    <div class="mb-4">
                        <label for="last_name" class="sr-only">Last
Name</label>
                        <div class="relative">
                                <input type="text" id="last_name"
placeholder="Last  Name"  class="w-full  p-2  border  border-gray-300
rounded-lg pl-10">
                            <i class="fas fa-user-circle absolute left-
3 top-5 text-gray-400"></i>
                        </div>
                    </div>
                    <div class="mb-4">
                      <label for="email" class="sr-only">Email</label>
                        <div class="relative">
                                <input type="email" id="email"
placeholder="Email" class="w-full p-2 border border-gray-300 rounded-
lg pl-10">
                            <i class="fas fa-user absolute left-3 top-
5 text-gray-400"></i>
                        </div>
                    </div>
                    <div class="mb-4">
                                <label for="password" class="sr-
only">Password</label>
                        <div class="relative">
                                <input type="password" id="password"
placeholder="Password"  class="w-full  p-2  border  border-gray-300
rounded-lg pl-10">
                            <i class="fas fa-lock absolute left-3 top-
5 text-gray-400"></i>
                        </div>
                    </div>
```

```
                        <button type="submit" class="w-full bg-green-800
text-white p-2 rounded-lg">Submit</button>
                    </form>
                        <a href="register.html" class="text-blue-600 mt-4
inline-block">belum mempunyai akun</a>
                </div>
            </div>
        </main>

        <div id="snackbar">Form submitted successfully!</div>

        <script>
            function showSnackbar() {
                var x = document.getElementById("snackbar");
                x.className = "show";
                                setTimeout(function(){    x.className    =
x.className.replace("show", ""); }, 3000);
            }
        </script>

</body>
</html>
```
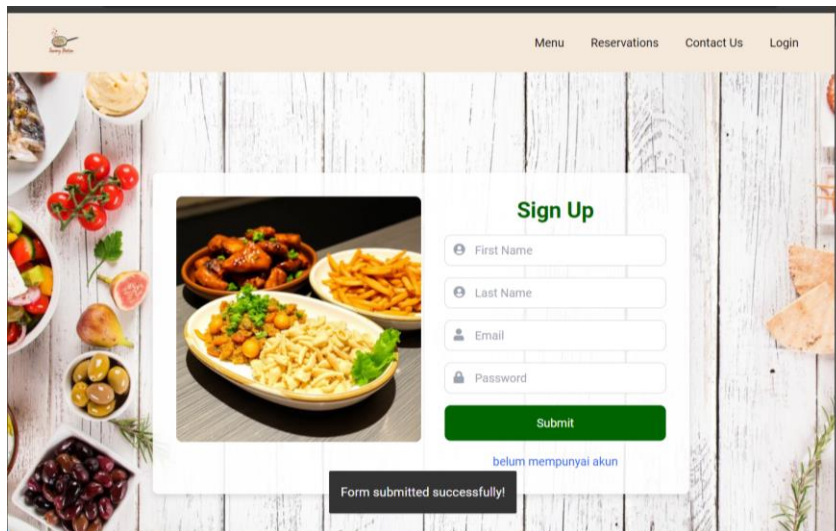
Hasil Tampilan :



Gambar 3.2 Tampilan Snack Bar/Toast

Analisa :

Pada program diatas menambahkan *snackbar* dengan menggunakan JavaScript untuk menampilkan pesan *Snackbar* setelah formulir dikirimkan dengan mencegah perilaku *submit default* menggunakan *event.preventDefault*(). Fungsi *showSnackbar()* menambahkan kelas *show* pada elemen dengan ID *snackbar* untuk menampilkannya, dan

menggunakan *setTimeout( )* untuk menghapus kelas tersebut setelah 3 detik, sehingga *Snackbar* menghilang dengan animasi halus. Animasi tersebut diatur dengan *keyframes* *fadein* dan *fadeout*, memberikan efek muncul dan menghilang yang lembut pada *Snackbar*.