JavaScript Project

1.Build a digital clock with start/stop function

```html
<!DOCTYPE html>

<head>
    <title>Digital Clock</title>
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css
">
    <style>
        body {
            background-image: url(1.jpg);
            -webkit-background-size: cover;
            background-size: cover;
            background-position: center center;
            min-height: 100vh;
        }

        .container {
            position: absolute;
            top: 50%;
            left: 50%;
            transform: translateX(-50%) translateY(-80%);
            text-align: center;
            padding: 15px 35px;
            border: 5px solid #fff;
            border-radius: 15px;
        }

        .clock {
            font-size: 48px;
            margin-bottom: 0%;
            color: rgb(255, 255, 255);
        }

        .time {
            font-size: 48px;
            margin-bottom: 0%;
            color: rgb(255, 255, 255);
        }

        .d {
            font-size: 48px;
            margin-bottom: 2%;
            color: rgb(255, 255, 255);
        }
```

```
        .btn-primary {
            width: 200px;
            margin-right: 15px;
        }

        .btn-danger {
            width: 200px;
        }
    </style>
</head>

<body>
    <div class="container">
        <div class="clock">Digital Clock</div>
        <div class="time"></div>
        <div class="d" id="date">date</div>
        <button id="startBtn" class="btn btn-primary">Start</button>
        <button id="stopBtn" class="btn btn-danger">Stop</button>
    </div>

    <script>
        const clock = document.querySelector('.time');
        let time = new Date().toLocaleTimeString();
        function updateClock() {
            time = new Date().toLocaleTimeString();
            clock.textContent = time;
        }
        updateClock();
        document.getElementById('startBtn').addEventListener('click', () => {
            interval = setInterval(updateClock, 1000);
        });
        document.getElementById('stopBtn').addEventListener('click', () => {
            interval = clearInterval(interval);
        });
        const date = new Date();
        const day = date.getDate();
        const month = date.getMonth() + 1;
        const year = date.getFullYear();
        const d = day + "/" + month + "/" + year;
        document.getElementById("date").innerHTML = d;
    </script>
</body>

</html>
```
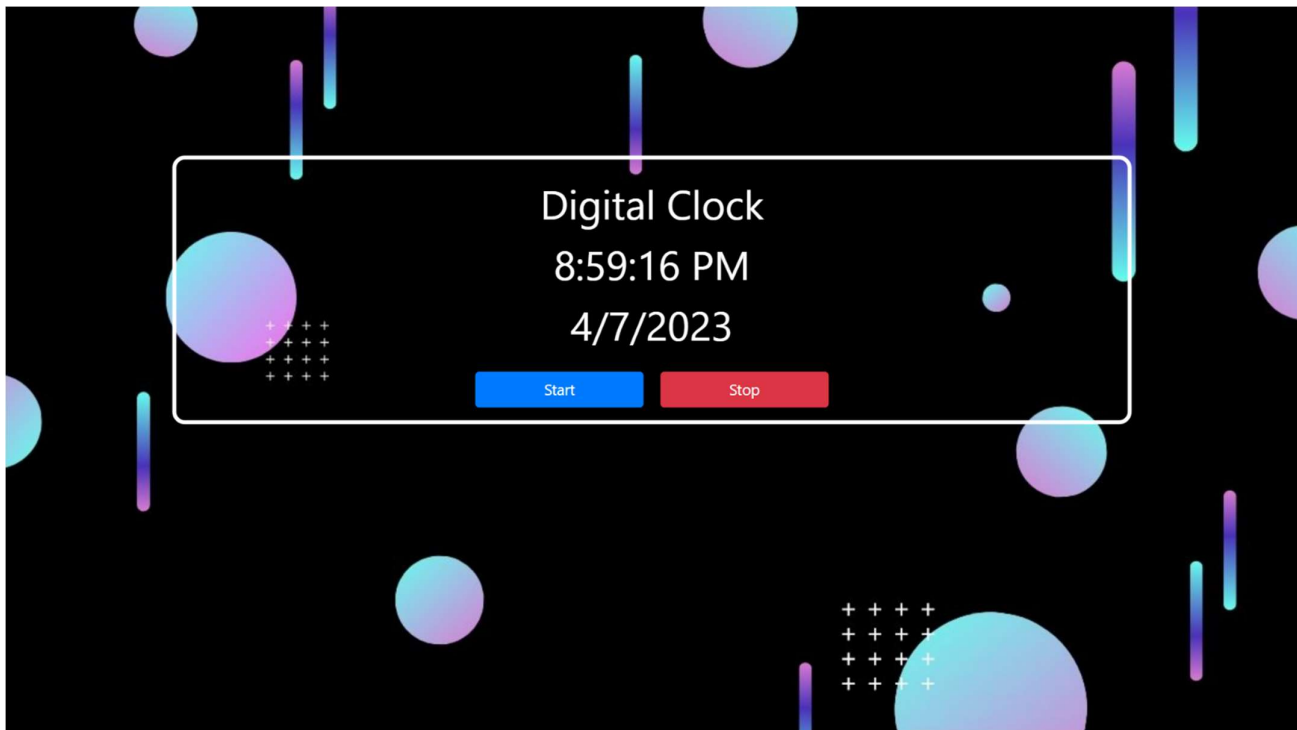
Screenshot of project

2. Build a student's virtual college id card generator using Javascript or Jquery

```html
<!DOCTYPE html>

<head>
    <title>
        ID Card generator
    </title>
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css
"
        integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z"
crossorigin="anonymous">
    <link
href="https://fonts.googleapis.com/css2?family=Montserrat:wght@400;600;700&dis
play=swap" rel="stylesheet">
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-
awesome/4.7.0/css/font-awesome.min.css" />
    <style>
        :root {
```

```css
    --bg-oficial: #4b1ae9;
    --font-body: 'Montserrat', sans-serif;
}

.bd-navbar {
    min-height: 4rem;
    background-color: var(--bg-oficial);
    box-shadow: 0 0.5rem 1rem rgba(0, 0, 0, .05), inset 0 -1px 0
rgba(0, 0, 0, .1);
    padding-top: .5em;
    padding-bottom: .5em;
    border-top-left-radius: 16px;
    border-top-right-radius: 16px;
}

.title-navbar {
    font-family: var(--font-body);
    font-weight: 600;
    font-size: 35px;
}

.subtitle-section {
    color: var(--bg-oficial);
    font-family: var(--font-body);
    font-weight: 600;
    font-size: 25px;
}

.subtitle-card {
    font-family: var(--font-body);
    font-weight: 600;
    font-size: 25px;
}

.text-center {
    text-align: center;
}

.container-general {
    display: flex;
    align-items: center;
    margin-top: 5%;
}

.section-container {
    display: flex;
    justify-content: center;
    align-items: center;
```

```css
    flex-direction: column;
    border: 1px solid #c8c8c8;
}

.section-left {
    border-bottom-left-radius: 16px;
}

.section-right {
    border-bottom-right-radius: 16px;
}

.container-box {
    padding-left: 0;
    padding-right: 0;
}

.form-element {
    margin: 5px;
    min-width: 200px;
}

.form-box {
    width: 100%;
    max-width: 285px;
}

.form-label {
    min-width: 150px;
    display: block;
    font-family: var(--font-body);
    font-weight: 600;
}

.form-input {
    display: block;
    border: 1px solid #C4B4B4;
    border-radius: 10px;
    height: 40px;
    padding: 5px 10px 5px 40px;
}

.font-icon {
    position: relative;
}

.font-icon i {
    position: absolute;
```

```css
        left: 15px;
        top: 45px;
        color: #000;
    }

    .btn-generate {
        border: none;
        border-radius: 10px;
        background-color: var(--bg-oficial);
        color: #fff;
        font-family: var(--font-body);
        font-weight: bold;
        padding: .5em;
        margin-top: 1em;
    }

    .id-card-container {
        display: none;
    }

    .card-container {
        width: 90vw;
        height: 300px;
        border-radius: 10px;
        font-family: var(--font-body);
        display: flex;
        align-items: center;
        justify-content: center;
        max-width: 500px;
    }

    .card-title {
        font-size: 16px;
        color: #727476;
        font-weight: bold;
    }

    .card-input {
        font-size: 16px;
        color: #463b3b;
        font-weight: bold;
    }

    .card-wrapper {
        width: 80vw;
        height: 250px;
        background-color: #fff;
        background: linear-gradient(#141313, #fff);
```

```css
            box-shadow:32px 8px 16px 8px rgba(0, 0, 0, 0.4);
            border-radius: 10px;
            overflow: hidden;
            position: relative;
            margin: 1.5rem;
            display: flex;
        }

        .user-card {
            width: 30vw;
            height: 100%;
            position: relative;
            background: linear-gradient(to top, var(--bg-oficial), #0dd5dc);
            display: flex;
            justify-content: center;
            align-items: center;
        }

        .general-information {
            width: 60vw;
            height: 100%;
            display: flex;
            flex-direction: column;
            justify-content: center;
            background-color: #F8F8F8;
        }

        .user-photo {
            float: center;
            width: 100%;
            height: 100%;
            color: rgb(255, 255, 255);
        }

        .card-element {
            margin-left: 10px;
            margin-bottom: 15px;
        }

        .card-name {
            font-size: 1.5rem;
        }

        .college-name {
            font-size: 1.2rem;
        }
    </style>
</head>
```

```html
<body class="container-general">

    <section class="w-100">
        <header class="container d-flex bd-navbar">
            <div class="text-light w-100  text-center title-navbar">ID Card
Generator</div>
        </header>
        <div class="container d-flex container-box ">
            <div class="section-container section-left col-6 pt-3 pb-3">
                <div class="text-left subtitle-section">
                    <p>
                        Enter Student Details
                    </p>

                </div>
                <form onsubmit="return false" class="form-box">
                    <div class="form-element font-icon">
                        <label class="form-label">
                            Enter Name:
                        </label>

                        <input class="form-input" type="text" id="name" />
                        <i class="fa fa-user fa-lg"></i>
                    </div>
                    <div class="form-element font-icon">
                        <label class="form-label">
                            Enter College Name:
                        </label>
                        <input class="form-input" type="text" id="collegeName"
/>

                        <i class="fa fa-university"></i>
                    </div>
                    <div class="form-element font-icon">
                        <label class="form-label">
                            Enter Location:
                        </label>
                        <input class="form-input" type="text" id="location" />
                        <i class="fa fa-address-book"></i>
                    </div>
                    <div class="form-element font-icon">
                        <label class="form-label">
                            Upload Student's photo:
                        </label>
                        <input class="from-input" type="file" id="photo"
onchange="loadimage(event)">
                    </div>
                    <div class="d-flex ">
```

```html
                            <button class="btn-generate"
onclick="generateCard()">Generate Card</button>
                        </div>

                    </form>
                </div>
                <div class="section-container section-right col-6">
                    <div class="id-card-container" id="collegeCard">
                        <div class="text-center subtitle-card">
                            Generated ID Card
                        </div>
                        <div class="card-container">
                            <div class="card-wrapper">
                                <div class="user-card" >
                                    <img src="" alt="no photo uploded"
class="user-photo" id="userphoto">
                                </div>
                                <div class="general-information">
                                    <div class="card-element card-name">
                                        <span class="card-title">Name:</span>
                                        <span class="card-input"
id="cardName"></span>
                                    </div>
                                    <div class="card-element college-name">
                                        <span class="card-title">College
Name:</span>
                                        <span class="card-input"
id="cardCollegeName"></span>
                                    </div>
                                    <div class="card-element college-name">
                                        <span class="card-title">Location:</span>
                                        <span class="card-input"
id="cardLocation"></span>
                                    </div>
                                </div>
                            </div>
                        </div>
                    </div>
                </div>
        </div>
    </section>

    <script>

        function loadimage(event){
            const image = document.getElementById("userphoto");
            image.src = URL.createObjectURL(event.target.files[0]);
        }
```

```
        function generateCard() {

            const nameElement = document.getElementById("name");
            const nameValue = nameElement.value;
            const cardNameElement = document.getElementById("cardName");
            cardNameElement.innerHTML = nameValue;
            const collegeNameValue =
document.getElementById("collegeName").value;
            document.getElementById("cardCollegeName").innerHTML =
collegeNameValue;
            const locationValue = document.getElementById("location").value;
            document.getElementById("cardLocation").innerHTML = locationValue;

            document.getElementById("collegeCard").style.display = "block";
        }
    </script>
</body>

</html>
```

screenshot of project