

Internet Programming Lab Assignment – III

Assignment 3.1 Gaming using Java script (20)

Code:

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Memory Game</title>

    <style>

        body {

            display: flex;

            flex-direction: column;

            align-items: center;

            background-color: blueviolet;

            font-family: Arial, sans-serif;

        }

        h1 {

            color: white;

        }

    </style>


```



```
        .card img {

            width: 100%;

            height: 100%;

            border-radius: 10px;

            display: none;

        }

    </style>

</head>

<body>

    <h1>Memory Game</h1>

    <div class="game-container" id="gameBoard"></div>

    <script>

        const images = [

            'tree1.jpeg', 'tree2.jpeg', 'tree3.jpeg', 'tree4.jpeg',
            'tree5.jpeg', 'tree6.jpeg', 'tree7.jpeg', 'tree8.jpg',

            'tree1.jpeg', 'tree2.jpeg', 'tree3.jpeg', 'tree4.jpeg',
            'tree5.jpeg', 'tree6.jpeg', 'tree7.jpeg', 'tree8.jpg'

        ];

        let shuffledImages = images.sort(() => Math.random() - 0.5);

        let selectedCards = [];

        let matchedCards = [];
```

```
const gameBoard = document.getElementById("gameBoard");

shuffledImages.forEach((image, index) => {

    const card = document.createElement("div");

    card.classList.add("card");

    card.dataset.index = index;

    card.dataset.image = image;

    const imgElement = document.createElement("img");

    imgElement.src = image;

    card.appendChild(imgElement);

    gameBoard.appendChild(card);

    card.addEventListener("click", () => handleCardClick(card));

});

function handleCardClick(card) {

    if (selectedCards.length < 2 && !selectedCards.includes(card)
    && !matchedCards.includes(card)) {

        card.querySelector("img").style.display = "block";

        selectedCards.push(card);

    }

    if (selectedCards.length === 2) {
```

```
        setTimeout(checkMatch, 500);

    }

}

function checkMatch() {

    const [card1, card2] = selectedCards;

    if (card1.dataset.image === card2.dataset.image) {

        matchedCards.push(card1, card2);

    } else {

        card1.querySelector("img").style.display = "none";

        card2.querySelector("img").style.display = "none";

    }

    selectedCards = [];

}

</script>

</body>

</html>
```

Output:



Assignment 3.2 Student Registration form for any event (Conference, Symposium or any concert) (20)

Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Registration</title>
    <style>
      body {
        font-family: 'Times New Roman', Times, serif;
```

```
        display: flex;
        justify-content: center;
        align-items: center;
        height: 100vh;
        background-image: url("ssn-infra.jpg");
        background-repeat: no-repeat;
        background-size: cover;
    }
    .registration {
        background: rgba(255, 255, 255, 0.2);
        backdrop-filter: blur(10px);
        border-radius: 15px;
        padding: 20px 30px;
        box-shadow: 0 8px 32px rgba(0, 0, 0, 0.25);
        color: #fff;
        text-align: center;
        width: 300px;
    }
    .registration h2 {
        margin-bottom: 20px;
        color: #fff;
        font-family: 'Georgia', serif;
    }
    .inbox{
        opacity: 30%;
        color: black;
    }
    .inbox:focus{
        box-shadow:0px 10px 50px rgb(8, 8, 8);
    }
    #button {
        opacity: 50%;
        color: rgb(249, 247, 249);
        background-color: rgb(165, 24, 193);

        border: none;
        border-radius: 5px;
        cursor: pointer;
```

```
        padding: 10px;
        width: 100%;
    }
    label {
        display: block;
        text-align: left;
        margin-bottom: 5px;
        color: #fff;
    }
    input, select {
        width: 100%;
        height: 30px;
        border-radius: 5px;
        margin-bottom: 10px;
        border: none;
        outline: none;
        padding: 5px;
    }
    button:hover {
        background: #732d91;
        box-shadow: 0px 0px 10px black;
    }
}

</style>
</head>
<body>
    <div class="registration">
        <h1 class="header">Registration</h1>
        <form action="">
            <label for="fullname">Full Name:</label>
            <input type="text" id="fullname" class="inbox" required>

            <label for="username">Username:</label>
            <input type="text" id="username" class="inbox" required>

            <label for="email">Email ID:</label>
            <input type="email" id="email" class="inbox" required>

            <label for="phone">Phone Number:</label>
            <input type="tel" id="phone" class="inbox" required>
```



```
<label for="dob">Date of Birth:</label>
<input type="date" id="dob" class="inbox " required>

<label for="gender">Gender:</label>
<select id="gender" class="inbox" required>
  <option value="" >Select </option>
  <option value="male" >Male</option>
  <option value="female">Female</option>
  <option value="other">Other</option>
</select>

<label for="pass">Password:</label>
<input type="password" id="pass" class="inbox" required>

<label for="cpass">Confirm Password:</label>
<input type="password" id="cpass" class="inbox" required>

  <button id="button" type="submit">Submit</button>
</form>
</div>
</body>
</html>
```

Output:

The image displays two side-by-side screenshots of a web registration form titled "Registration".

Left Screenshot (Initial State):

- Full Name:** Empty text input field.
- Username:** Empty text input field.
- Email ID:** Empty text input field.
- Phone Number:** Empty text input field.
- Date of Birth:** Text input field with placeholder "dd-mm-yyyy" and a calendar icon.
- Gender:** Dropdown menu with "Select" and a downward arrow.
- Password:** Empty text input field.
- Confirm Password:** Empty text input field.
- Submit:** A blue button at the bottom.

Right Screenshot (Filled State with Error):

- Full Name:** "assdc"
- Username:** "asda"
- Email ID:** "asdad" (Note: This is an invalid email format).
- Date of Birth:** "21-02-2025"
- Gender:** "Male"
- Password:** "*****"
- Confirm Password:** "*****"
- Submit:** A blue button at the bottom.

A validation error message is displayed above the Email ID field: **!** Please include an '@' in the email address. 'asdac' is missing an '@'.

Learning outcome:

From this assignment ,Ihave learnt how to use javascript and i also learnt how javascript used to interact with html document.