

# **Experiment 1**

Student Name: Gaurav Monga UID: 23BAI70156

Branch: BE-AIT-CSE Section/Group: 23AML KRG-1

Semester: 5<sup>th</sup> Date of Performance: 14 Aug 2025

Subject Name: Full Stack Subject Code: 23CSP-339

1. **Problem Title:** To build an admin dashboard with dynamic theming using CSS Grid and JavaScript.

#### 2. Problem Description:

- a. Create grid-based layout
- b. Implement dark/light mode toggle
- c. Design responsive sidebar
- d. Add data visualization placeholders
- e. Persist theme preference using localStorage

### 3. Hardware Requirements:

- a. Processor: Intel i3/ Ryzen 3 or higher.
- b. RAM: 4GB minimum.
- c. Display: 1366x768 resolution.

### **Software Requiremnts:**

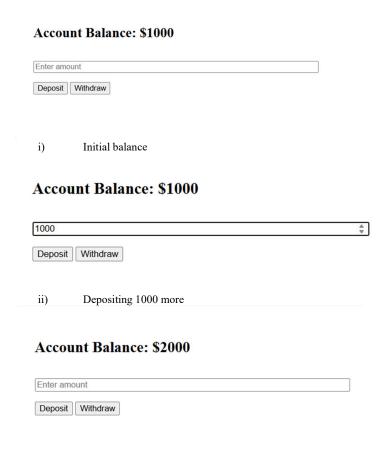
- a. VS Code(Equipped with Live Server Extension)
- b. Any Browser

### 4. Entire Program:

```
.bank-interface {
       display: grid;
       gap: 1rem;
       max-width: 500px;
       margin: 2rem auto;
       padding: 2rem;
       border-radius: 8px;
       box-shadow: 0 2px 10px rgba(0,0,0,0.1);
    @media (max-width: 600px) {
       .bank-interface {
         padding: 1rem;
         margin: 1rem;
  </style>
</head>
<body>
         <!--Main html code-->
  <div class="bank-interface">
    <h2>Account Balance: <span id="balance">$1000</span></h2>
    <input type="number" id="amount" placeholder="Enter amount" min="0">
    <div class="btn-group">
       <button onclick="deposit()">Deposit</button>
       <button onclick="withdraw()">Withdraw</button>
    </div>
     </div>
  <script> <!--used for utilizing internal js-->
    let balance = 1000;
    function updateUI() {
       document.getElementById('balance').textContent = `$${balance}`;
       document.getElementById('amount').value = ";
    function deposit() {
       const amount = Number(document.getElementById('amount').value);
       if (amount > 0) {
         balance += amount;
         updateUI();
    function withdraw() {
       const amount = Number(document.getElementById('amount').value);
       if (amount > 0 \&\& amount \le balance) {
         balance -= amount;
         updateUI();
         document.getElementById('message').textContent = 'Invalid withdrawal amount!';
  </script>
```



### 5. Outputs:



iii) New balance

## 6. Learning Outcome:

- a. I learnt how to link and connect the script.js and css file with the Html.
- b. I learnt how to work with html file.
- c. I learnt how to write js file and css.