

**Subject** - Full Stack

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### **Experiment 1:** Responsive Banking UI

**Aim** - To create a responsive banking interface with deposit/withdrawal functionality using HTML5, CSS3, and JavaScript.

#### **Objectives :**

Design a banking UI with balance display

Implement deposit/withdrawal buttons

Make the interface responsive using media queries

Add interactive elements with JavaScript

Validate form inputs

### **Code Implementation**

#### **HTML**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Responsive Banking UI</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <main class="banking-container">
    <header>
      <h1>My Bank</h1>
    </header>

    <section class="balance-section">
      <h2>Account Balance</h2>
      <p id="balance">₹0.00</p>
    </section>
```

```

<section class="transaction-section">
  <form id="transactionForm">
    <label for="amount">Enter Amount (₹):</label>
    <input type="number" id="amount" min="1" placeholder="Enter amount" required>

    <div class="btn-group">
      <button type="button" id="depositBtn" class="deposit">Deposit</button>
      <button type="button" id="withdrawBtn" class="withdraw">Withdraw</button>
    </div>
  </form>
  <p id="message"></p>
</section>
</main>

<script src="script.js"></script>
</body>
</html>

```

## **CSS**

```

:root {
  --primary-color: #4CAF50;
  --secondary-color: #f44336;
  --bg-color: #f0f2f5;
  --text-color: #333;
}

body {
  font-family: Arial, sans-serif;
  background-color: var(--bg-color);
  margin: 0;
  padding: 0;
}

.banking-container {
  max-width: 500px;
  margin: auto;
  padding: 20px;
  background: #fff;
  border-radius: 10px;
  box-shadow: 0 4px 10px rgba(0,0,0,0.1);
}

header h1 {
  text-align: center;
  color: var(--primary-color);
}

```

```
}
```

```
.balance-section {  
  text-align: center;  
  margin: 20px 0;  
}
```

```
#balance {  
  font-size: 2em;  
  color: var(--text-color);  
}
```

```
.transaction-section {  
  margin-top: 20px;  
}
```

```
label {  
  display: block;  
  margin-bottom: 5px;  
}
```

```
input {  
  width: 100%;  
  padding: 10px;  
  margin-bottom: 15px;  
  font-size: 1em;  
}
```

```
.btn-group {  
  display: flex;  
  gap: 10px;  
}
```

```
button {  
  flex: 1;  
  padding: 10px;  
  border: none;  
  font-size: 1em;  
  cursor: pointer;  
  color: white;  
  border-radius: 5px;  
}
```

```
.deposit {  
  background-color: var(--primary-color);  
}
```

```
.withdraw {
```

```

    background-color: var(--secondary-color);
}

#message {
    text-align: center;
    margin-top: 10px;
    font-weight: bold;
}

/* Responsive Design */
@media (max-width: 600px) {
    .banking-container {
        padding: 15px;
    }

    #balance {
        font-size: 1.5em;
    }

    button {
        font-size: 0.9em;
    }
}

```

## **JavaScript**

```

let balance = 0;

const balanceDisplay = document.getElementById("balance");
const amountInput = document.getElementById("amount");
const message = document.getElementById("message");

document.getElementById("depositBtn").addEventListener("click", () => {
    let amount = parseFloat(amountInput.value);
    if (isNaN(amount) || amount <= 0) {
        showMessage("Please enter a valid amount!", "red");
    } else {
        balance += amount;
        updateBalance();
        showMessage(`₹${amount} deposited successfully!`, "green");
    }
    amountInput.value = "";
});

document.getElementById("withdrawBtn").addEventListener("click", () => {
    let amount = parseFloat(amountInput.value);
    if (isNaN(amount) || amount <= 0) {

```

```
        showMessage("Please enter a valid amount!", "red");
    } else if (amount > balance) {
        showMessage("Insufficient balance!", "red");
    } else {
        balance -= amount;
        updateBalance();
        showMessage(`₹${amount} withdrawn successfully!`, "green");
    }
    amountInput.value = "";
});
```

```
function updateBalance() {
    balanceDisplay.textContent = `₹${balance.toFixed(2)}`;
}
```

```
function showMessage(msg, color) {
    message.textContent = msg;
    message.style.color = color;
}
```

### **Output**

# My Bank

## Account Balance

₹90.00

Enter Amount (₹):

10

Deposit

Withdraw

**₹10 withdrawn successfully!**