

Debugging Exercise

TASK 1: Form Not Submitting (HTML + JS)

```
<form id="userForm" onsubmit="validate(event)">

  <input type="text" id="username">

  <button type="submit">Submit</button>

</form>

<script>

function validate(event) {

  event.preventDefault();

  let name = document.getElementById("username").value;

  if (name === "") {

    alert("Name required");

  }

}

</script>
```

TASK 2: CSS Not Applying

```
<p class="msg">Hello User</p>

<style>

.msg {

  color: blue;

  font-size: 20px;

}

</style>
```

TASK 3: Button Click Not Working (JS + DOM)

```
<button id="btn">Click Me</button>

<script>

document.getElementById("btn").onclick = function () {

  alert("Clicked");

};

</script>
```

TASK 4: Validation Logic Error

```
let age = 16;

if (age >= 18) {

  console.log("Eligible");

} else {

  console.log("Not Eligible");

}
```

TASK 5: Input Value Always Empty

```
<input type="text" id="email">

<button onclick="check()">Check</button>

<script>

function check() {

  let email = document.getElementById("email").value;

  if (email === "") {

    alert("Email required");

  }

}

</script>
```

TASK 6: CSS Layout Breaking

```
.card {  
  width: 300px;  
  padding: 20px;  
}
```

TASK 7: Password Match Validation

```
let pwd = "admin123";  
let confirmPwd = "admin123".trim();  
if (pwd === confirmPwd) {  
  console.log("Match");  
} else {  
  console.log("Mismatch");  
}
```

TASK 8: Hidden Element Still Taking Space (CSS)

```
.alert {  
  display: none;  
}
```

TASK 9: JS Error Stops Script

```
console.log("Start");  
alert("Hello");  
console.log("End");
```

TASK 10: Checkbox Validation

```
<input type="checkbox" id="terms">
<button onclick="submitForm()">Submit</button>
<script>
function submitForm() {
  let terms = document.getElementById("terms");
  if (!terms.checked) {
    alert("Accept terms");
  }
}
</script>
```

TASK 11: Assignment instead of comparison

```
<input type="text" id="mobile" />
<button onclick="validate()">Submit</button>
<script>
function validate() {
  let mobile = document.getElementById("mobile").value;
  if (mobile.length === 10) {
    alert("Valid");
  } else {
    alert("Invalid");
  }
}
</script>
```

TASK 12: Policy Holder Name Validation

```
<input type="text" id="policyName">
<button onclick="validateName()">Submit</button>
<script>
function validateName() {
    let name = document.getElementById("policyName").value;
    if (name === "") {
        alert("Policy holder name required");
    }
}
</script>
```

TASK 13: Insurance Plan Dropdown Validation

```
<select id="plan">
<option>Select Plan</option>
<option>Health</option>
<option>Life</option>
</select>
<button onclick="checkPlan()">Apply</button>
<script>
function checkPlan() {
    let plan = document.getElementById("plan").value;
    if (plan === "Select Plan") {
        alert("Please choose a plan");
    }
}
</script>
```

TASK 14: Policy Number Display Bug

```
let policyNumber = 123456;  
  
document.getElementById("policy").innerHTML = policyNumber;
```

TASK 15: Claim Amount Validation

```
let claimAmount = 123;  
  
claimAmount = Number(claimAmount);  
  
if (claimAmount && !isNaN(claimAmount)){  
    alert("Valid claim");  
} else {  
    alert("Invalid claim");  
}
```

TASK 16: Policy Type Comparison Error

```
let policyType = "Health";  
  
if (policyType.toLowerCase() === "health") {  
    console.log("Health Policy");  
}
```

TASK 17: Policy List Rendering Bug

```
let policies = ["Life", "Health", "Vehicle"];  
  
policies.forEach(function (policy) {  
    document.getElementById("list").innerHTML += policy + "<br>";  
});
```

TASK 18: Premium Amount Validation

```
let premium = "5000";  
  
if (premium.trim() === "" || isNaN(premium)) {  
  console.log("Invalid premium");  
} else {  
  console.log("Valid premium");  
}
```