Assignment 5: Events

General Instructions:

- Add only the missing JavaScript code to the solution.js file inside the js folder.
- Do not modify any other files, including HTML and CSS.
- After updating solution.js, zip the entire folder again and submit it on Omnivox LEA.
- You MUST show your solution to the instructor to receive your grade.

Objective:

In this assignment, you will implement JavaScript functionalities to dynamically update the webpage when the submit button is pressed. You will achieve this by:

- Using **event listeners** to capture user interactions and trigger functions accordingly.
  - **Tip:** Use the **addEventListener** function on elements to perform operations.
- Applying **DOM manipulation** using **createElement** and **createTextNode** to dynamically display submitted information.
- Changing the background color of the **Name** text box:
  - **Yellow** when it is **focused** (clicked inside).
  - **Green** when focus is **lost** (clicked outside).
  - These changes should happen **immediately**.
- Avoid adding **additional buttons** to the HTML file—ensure all interactions happen **through JavaScript**.
- Modify **CSS properties dynamically using JavaScript** by setting **element.style.property = "value" through the DOM**.
  - **(Do NOT modify the CSS file)**
- Structure the code efficiently by creating and **reusing functions** where necessary.

Expected Output & Behavior

Figure 1: Initial Page Load

- The page loads with an empty form.
- The **background is yellowish-brown**.
- The form fields are **empty**.
- The **Submit button** is visible.

Figure 2: Focus on the Name Input Field

- When the user **clicks inside** the "Name" text box, its **background color changes to yellow**.
- Other fields remain unchanged.

Figure 3: Blur (Clicking Outside the Text Box)

- When the user **clicks outside** the "Name" text box, its **background color changes to green**.

Figure 4: After Clicking the Submit Button

- When the user **clicks the Submit button**:
  - The entered name, email, and phone number are **appended dynamically** below the form.
  - The displayed values should **match what the user entered**.
  - The form remains unchanged and can be used again for new entries.

Figure 5: Multiple Entries After Clicking the Submit Button

When the user enters different values and clicks the Submit button multiple times:

- Each unique entry (Name, Email, and Phone) is appended dynamically below the form.
- Previously submitted entries remain visible, creating a list of multiple submissions.
- The form remains unchanged and can be used again for new entries.

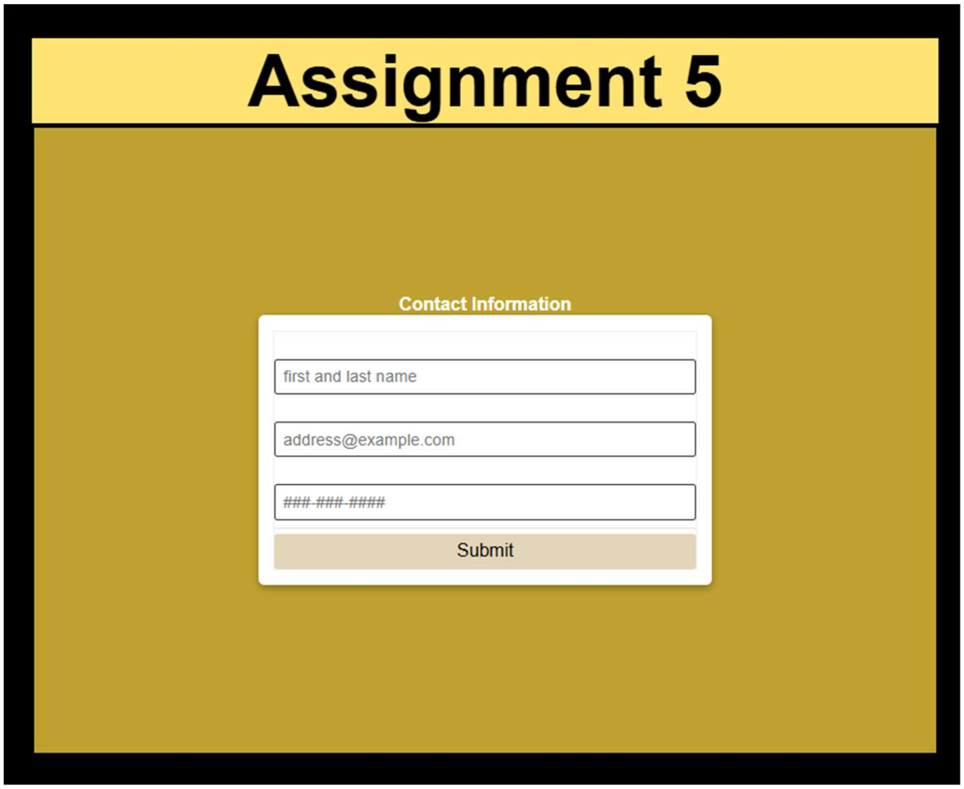


Figure 1: Initial Page Load

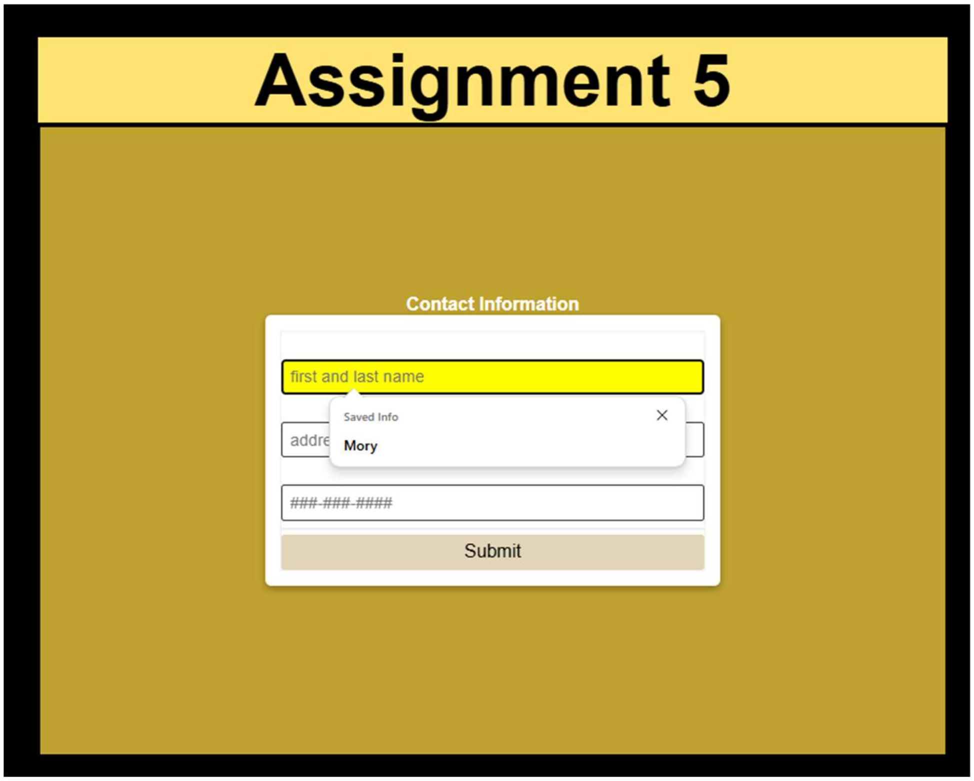


Figure 2: Focus on the Name Input Field

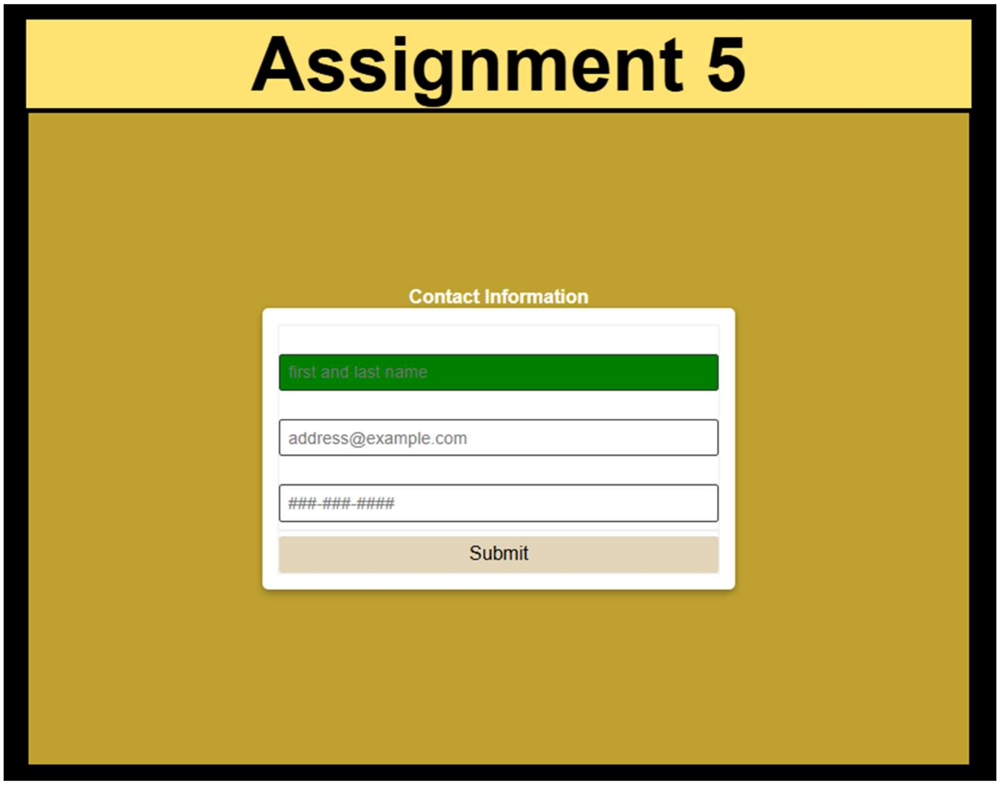
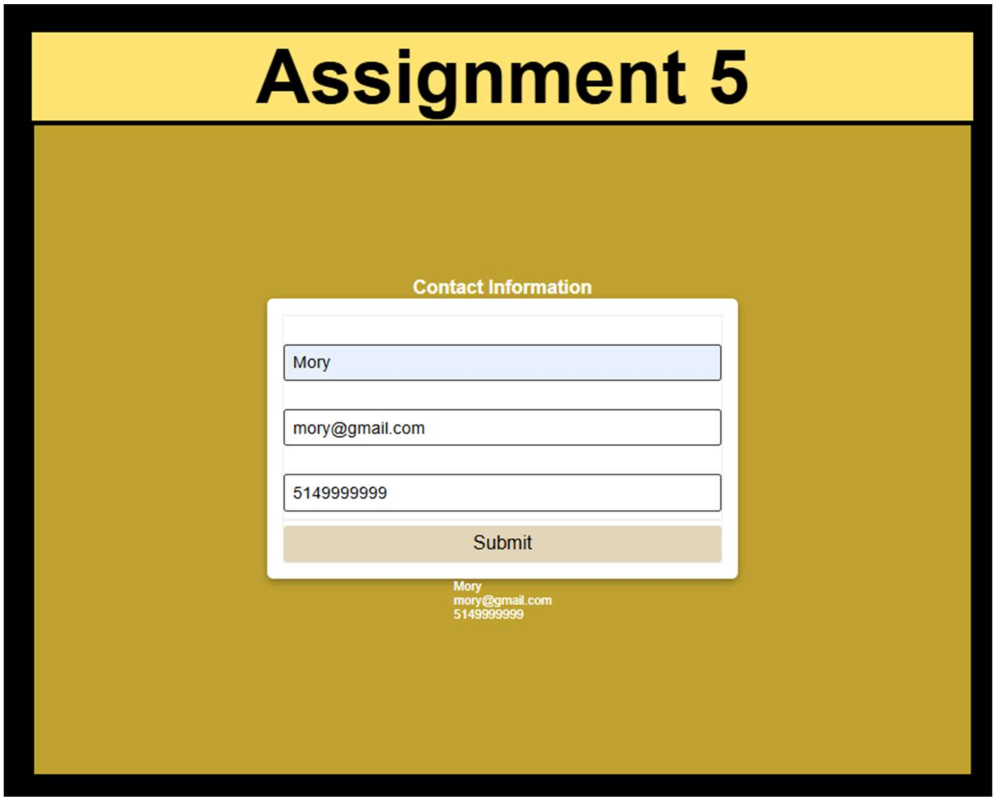


Figure 3: Blur (Clicking Outside the Text Box)



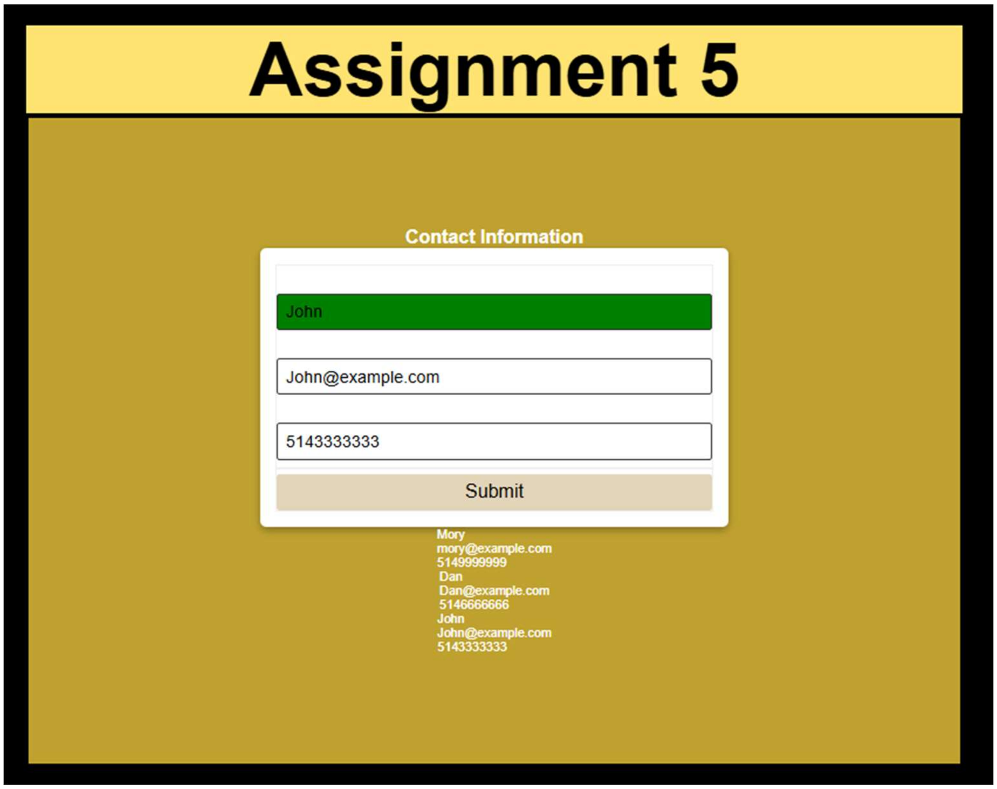
Mory

mory@gmail.com

5149999999

Mory
mory@gmail.com
5149999999

Figure 4: After Clicking the Submit Button



John

John@example.com

5143333333

```
Mory
mory@example.com
5149999999
 Dan
 Dan@example.com
 5146666666
John
John@example.com
5143333333
```

Figure 5: Multiple Entries After Clicking the Submit Button