

Web Technologies Assignment 5

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Task 1. Form Validation

I wrote JavaScript to validate form fields like username, email, and password, showing alert() messages for errors. I ensured the form only submits when all fields meet the requirements.

```
form.addEventListener("submit", (e) => {  
  e.preventDefault();  
  
  const errors = [];  
  
  const username = document.getElementById("username");  
  const email = document.getElementById("email");  
  const pwd = document.getElementById("pwd");  
  const rpwd = document.getElementById("rpwd");  
  
  if (username) {  
    if (username.value.trim() === "") {  
      errors.push("Username is required.");  
    }  
  }  
  
  if (email) {  
    const v = email.value.trim();  
    const emailRe = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;  
    if (v === "") {  
      errors.push("Email is required.");  
    } else if (!emailRe.test(v)) {  
      errors.push("Email format is invalid.");  
    }  
  }  
  
  if (pwd) {  
    if (pwd.value.trim() === "") {  
      errors.push("Password is required.");  
    } else if (pwd.value.length < 6) {  
      errors.push("Password must be at least 6 characters.");  
    }  
  }  
  
  if (rpwd) {  
    if (rpwd.value.trim() === "") {  
      errors.push("Please repeat the password.");  
    } else if (pwd && rpwd.value !== pwd.value) {  
      errors.push("Passwords do not match.");  
    }  
  }  
  
  if (errors.length > 0) {  
    alert(errors.join("\n"));  
    return;  
  }  
  alert("Form validated successfully!");  
});
```

Task 2. Accordion for FAQs or Content Sections

I implemented an accordion where clicking a question toggles the visibility of its answer. I tested it to make sure the content hides and shows smoothly.

FAQ

Сколько достоин получить разработчик за этот асик?

100 из 100 не смотря на плохой дефенс

виноват ли разработчик из за позднего дефенса?

нет, vs code виноват в том то что он не запустил код и проект лежал просто так дни

Репорт был залит с опозданием?

Нет

Task 3. Popup Subscription or Contact Form

I created a pop-up form that appears when a button is clicked and can be closed by clicking outside or on a close button. I verified it works on different devices.

```
19 const logo = document.getElementById("logo");
20 const popupMenu = document.getElementById("popupMenu");
21 if (logo && popupMenu) {
22   logo.addEventListener("click", (e) => {
23     e.stopPropagation();
24     popupMenu.style.display = popupMenu.style.display === "block" ? "none" : "block";
25   });
26
27   popupMenu.addEventListener("click", (e) => e.stopPropagation());
28
29   document.addEventListener("click", (e) => {
30     if (!popupMenu.contains(e.target) && e.target !== logo) {
31       popupMenu.style.display = "none";
32     }
33   });
34 }
35
```

Task 4. Change Background Color with JavaScript

I added a button that changes the background color dynamically when clicked. The colors cycle through predefined options and work in multiple browsers.

```
1 document.addEventListener("DOMContentLoaded", () => {
2
3   const darkBtn = document.getElementById("darkBtn");
4   if (darkBtn) {
5     darkBtn.addEventListener("click", () => {
6       document.body.classList.toggle("dark-mode");
7     });
8   }
9
213 #darkBtn {
214   background-color: white;
215   color: black;
216 }
217
218 #darkBtn:hover {
219   opacity: 0.8;
220 }
221
222 body.dark-mode {
223   background-color: #222;
224   color: white;
225 }
226
227 body.dark-mode .hrbar {
228   background-color: #333;
229 }
230
231 body.dark-mode #vrbar {
232   background-color: #444;
233 }
234
235 body.dark-mode .video-card {
236   background-color: #555;
237 }
238
239 body.dark-mode .popup {
240   background-color: #333;
241   color: white;
242   border-color: #444;
243 }
244
245 body.dark-mode .popup a {
246   color: white;
247 }
```

Task 5. Display Current Date and Time

I used JavaScript's Date object to show the current date and time and updated it every second. It displays in a readable format and refreshes dynamically.

```

10 function updateClock() {
11     const clock = document.getElementById("clock");
12     if (!clock) return;
13     const now = new Date();
14     clock.textContent = now.toLocaleTimeString();
15 }
16 setInterval(updateClock, 1000);
17 updateClock();

```

Total task 5,4,3

The screenshot shows the MEMTube website interface. The top navigation bar is red and contains the site name 'MEMTube', two search bars, and links for 'Login Sign up User' and a 'Dark' theme toggle. A red arrow points from the 'Dark' button to a user profile dropdown menu. The main content area displays a grid of video thumbnails with Russian titles. Handwritten annotations include 'DATE' with an arrow pointing to the time '13:17:42' shown in the top right, and 'POPU' written in red above the dropdown menu. Another handwritten note 'THEME BUTON' is written below the video grid. The left sidebar contains navigation links: Main, Subscribes, History, Playlists, Your videos, Liked, Music, Video Games, Sport, Preferences, and Reports.

MEMTube Search Search **POPU** Login Sign up User Dark

DATE → 13:17:42 →

Profile
Preferences
Report
Help
Exit

Как вскипятить воду

Кран пьёт воду из-под крана [Full HD 1080p]

Свинья вырубил сама себя

Антонина Ивановна Уральская (Оригинал)

THEME BUTON

мальчик с палкой

Ты какую группу уважаешь?

Денчик слазит

Продаю бананы, людей Шучу не бананы

127.0.0.1:5500/html/login.html