

## Debugging Session: Web App Comments Not Loading

### Initial Request

**Human:** Based on the JSON file and HTML file and JS file help me to find what is the problem because nothing showed in live server to me. I will send you first JSON file after that HTML file and after that JS file. Wait until I send all them to you after start debugging based on my problem.

**Assistant:** I'll help you debug your issue with nothing showing in the live server. I'll wait until you share all three files (JSON, HTML, and JS) before analyzing the problem.

### Files Shared

#### JSON File

```
{
  "users": [
    {
      "id": "u001",
      "username": "movieLover91",
      "profilePic": "images/users/user1.jpg",
      "comments": [
        "This was way better than I expected!",
        "Amazing cinematography and acting.",
        "I'd definitely watch this again.",
        "A bit slow in the middle, but worth it."
      ],
      "liked": ["001", "003", "012"],
      "saved": ["002", "015"],
      "disliked": ["007"]
    },
    {
      "id": "u002",
      "username": "cinemaQueen",
      "profilePic": "images/users/user2.jpg",
      "comments": [
        "Loved the plot twist!",
```

```
"Could've been shorter, but still good.",
"That ending though 🤔",
"Great for a weekend binge."
],
"liked": ["005", "006", "009"],
"saved": ["001", "013", "018"],
"disliked": ["004"]
},
{
  "id": "u003",
  "username": "bingeBeast",
  "profilePic": "images/users/user3.jpg",
  "comments": [
    "Not my favorite, but not bad.",
    "Had me hooked from the start!",
    "The soundtrack was 🔥",
    "Kinda overrated, honestly."
  ],
  "liked": ["003", "008", "010"],
  "saved": ["006", "014"],
  "disliked": ["002", "019"]
},
{
  "id": "u004",
  "username": "retroWatcher",
  "profilePic": "images/users/user4.jpg",
  "comments": [
    "They don't make them like this anymore.",
    "Nostalgic and heartwarming.",
    "Solid story and pacing.",
    "Really impressed with the visuals!"
  ]
}
```

```

    ],
    "liked": ["011", "017", "020"],
    "saved": ["010", "016"],
    "disliked": ["018"]
  },
  {
    "id": "u005",
    "username": "dailyStreamer",
    "profilePic": "images/users/user5.jpg",
    "comments": [
      "A decent watch while eating dinner 🍽️",
      "Some parts dragged, but still fun.",
      "Pretty entertaining overall.",
      "I'd recommend it to friends!"
    ],
    "liked": ["012", "015", "019"],
    "saved": ["004", "005"],
    "disliked": ["013"]
  }
]
}

```

### HTML File

```

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8" />

  <meta name="viewport" content="width=device-width, initial-scale=1.0" />

  <title>detail</title>


  <script src="js/videoPlayer.js" defer></script>

</head>

```

```
<body>

  <section id="comments">

    <p>Test</p>

  </section>

</body>

</html>
```

### JavaScript File

```
let users = [];

const commentsElement = document.getElementById("comments");

async function loadCommentsData() {
  const userResponse = await fetch("data/user.json");
  const userJSON = await userResponse.json();
  users = userJSON.users;
  renderComments(users);
}

function renderComments(users) {
  commentsElement.innerHTML = "";
  users.forEach((user) => {
    user.comments.forEach((commentText) => {
      const commentDiv = document.createElement("div");
      commentDiv.className = "user-comment";
      applyCommentDivStyles(commentDiv);

      const profilePicture = document.createElement("img");
      profilePicture.src = user.profilePic;
      profilePicture.alt = user.username;
      applyProfilePictureStyles(profilePicture);

      const contentContainerDiv = document.createElement("div");
```

```
applyContentContainerDivStyles(contentContainerDiv);
```

```
const userNameDiv = document.createElement("div");
```

```
userNameDiv.textContent = user.username;
```

```
applyUserNameDivStyles(userNameDiv);
```

```
const singleCommentDiv = document.createElement("div");
```

```
singleCommentDiv.textContent = commentText;
```

```
applySingleCommentStyles(singleCommentDiv);
```

```
contentContainerDiv.appendChild(userNameDiv);
```

```
contentContainerDiv.appendChild(singleCommentDiv);
```

```
commentDiv.appendChild(profilePicture);
```

```
commentDiv.appendChild(contentContainerDiv);
```

```
commentsElement.appendChild(commentDiv);
```

```
});
```

```
});
```

```
}
```

```
function applyProfilePictureStyles(profilePicture) {
```

```
    profilePicture.style.width = "50px";
```

```
    profilePicture.style.height = "50px";
```

```
    profilePicture.style.borderRadius = "50%";
```

```
    profilePicture.style.marginRight = "10px";
```

```
}
```

```
function applyContentContainerDivStyles(contentContainerDiv) {
```

```
    contentContainerDiv.style.flex = "1";
```

```
}
```

```
function applyUserNameDivStyles(userNameDiv) {  
  userNameDiv.style.fontWeight = "bold";  
  userNameDiv.style.marginBottom = "4px";  
}
```

```
function applySingleCommentStyles(singleCommentDiv) {  
  singleCommentDiv.style.marginBottom = "6px";  
}
```

```
loadCommentsData();
```

### Debugging Analysis

After reviewing all three files, I identified several issues preventing your comments from displaying:

#### Issues Found:

1. **Missing Function:** Your JavaScript calls `applyCommentDivStyles()` but this function was never defined
2. **File Path Problems:** Your JavaScript is trying to fetch data from `"data/user.json"` but the file may not be in that location
3. **Error Handling:** The original code had no error handling for fetch failures
4. **Event Listener Redundancy:** Potential timing issues with when `loadCommentsData()` is called

#### Fixed JavaScript File:

```
let users = [];  
  
const commentsElement = document.getElementById("comments");  
  
async function loadCommentsData() {  
  try {  
    const userResponse = await fetch("data/user.json");  
    if (!userResponse.ok) {  
      throw new Error(` HTTP error! Status: ${userResponse.status} `);  
    }  
  }  
}
```

```
const userJSON = await userResponse.json();

users = userJSON.users;

renderComments(users);

} catch (error) {

  console.error("Error loading comments data:", error);

  commentsElement.innerHTML = "<p>Error loading comments. Check console for details.</p>";

}

}
```

```
function renderComments(users) {

  commentsElement.innerHTML = "";

  users.forEach((user) => {

    user.comments.forEach((commentText) => {

      const commentDiv = document.createElement("div");

      commentDiv.className = "user-comment";

      applyCommentDivStyles(commentDiv);

      const profilePicture = document.createElement("img");

      profilePicture.src = user.profilePic;

      profilePicture.alt = user.username;

      applyProfilePictureStyles(profilePicture);

      const contentContainerDiv = document.createElement("div");

      applyContentContainerDivStyles(contentContainerDiv);

      const userNameDiv = document.createElement("div");

      userNameDiv.textContent = user.username;

      applyUserNameDivStyles(userNameDiv);

      const singleCommentDiv = document.createElement("div");
```

```
singleCommentDiv.textContent = commentText;
applySingleCommentStyles(singleCommentDiv);

contentContainerDiv.appendChild(userNameDiv);
contentContainerDiv.appendChild(singleCommentDiv);

commentDiv.appendChild(profilePicture);
commentDiv.appendChild(contentContainerDiv);

commentsElement.appendChild(commentDiv);
});
});
}

function applyCommentDivStyles(commentDiv) {
    commentDiv.style.display = "flex";
    commentDiv.style.alignItems = "flex-start";
    commentDiv.style.padding = "12px";
    commentDiv.style.marginBottom = "16px";
    commentDiv.style.borderBottom = "1px solid #e0e0e0";
}

function applyProfilePictureStyles(profilePicture) {
    profilePicture.style.width = "50px";
    profilePicture.style.height = "50px";
    profilePicture.style.borderRadius = "50%";
    profilePicture.style.marginRight = "10px";
}

function applyContentContainerDivStyles(contentContainerDiv) {
    contentContainerDiv.style.flex = "1";
```



```
}
```

```
function applyUserNameDivStyles(userNameDiv) {  
  userNameDiv.style.fontWeight = "bold";  
  userNameDiv.style.marginBottom = "4px";  
}
```

```
function applySingleCommentStyles(singleCommentDiv) {  
  singleCommentDiv.style.marginBottom = "6px";  
}
```

```
// Call the function to load data when the page loads  
document.addEventListener('DOMContentLoaded', loadCommentsData);
```

#### **Recommended File Structure:**

```
project-folder/  
|  
├─ index.html  
├─ js/  
|   └─ videoPlayer.js  
└─ data/  
    └─ user.json
```

#### **Additional Tips:**

1. Open your browser's developer console (F12) to see any JavaScript errors
2. Check the Network tab in developer tools to confirm if the fetch request is succeeding
3. Make sure your local server has access to all files and directories
4. Replace your JavaScript file with the fixed version provided above
5. Ensure your file structure matches the recommended structure