

Copilot

When your template requires more complex logic beyond simple conditionals and loops, you can enhance it by incorporating additional JavaScript code within your **EJS (Embedded JavaScript)** templates. Here are some techniques to handle more intricate scenarios:

1. Custom Helper Functions:

- Define custom helper functions in your server code and make them available to your EJS templates.
- For example, if you need to format dates, create a helper function:

```
// In your server.js
app.locals.formatDate = (date) => {
  // Custom logic to format the date
  return date.toISOString().slice(0, 10);
}
```

- In your EJS template:

```
<p>Today's date: <%= formatDate(new Date()) %></p>
```

2. Complex Conditionals:

- You can nest conditionals or use logical operators for more complex checks:

```
<% if (isAdmin) { %>
  <p>Welcome, Admin!</p>
<% } else if (isModerator) { %>
  <p>You have moderator privileges.</p>
<% } else { %>
  <p>Regular user access.</p>
<% } %>
```

3. Iterating Over Nested Arrays or Objects:

- When dealing with nested data structures, use nested loops or helper functions:

```
<ul>
  <% users.forEach(user => { %>
    <li>
      <%= user.name %>
      <ul>
        <% user.skills.forEach(skill => { %>
          <li><%= skill %></li>
        <% }); %>
      </ul>
    </li>
  <% }); %>
</ul>
```

4. Include External Scripts or Stylesheets:

- You can include external JavaScript or CSS files in your EJS templates:

```
<script src="/js/my-script.js"></script>
<link rel="stylesheet" href="/css/styles.css">
```

5. Error Handling:

- Handle errors gracefully by using try and catch blocks:

```
<% try { %>
  <!-- Your code that might throw an error -->
<% } catch (error) { %>
  <p>Error: <%= error.message %></p>
<% } %>
```

Remember that EJS allows you to mix JavaScript and HTML seamlessly. Feel free to create reusable components, organize your code, and add any necessary complexity to meet your project requirements. Happy templating! 🚀🌟

For more advanced examples and techniques, explore resources like the [EJS documentation](#) and [MDN Web Docs](#). 😊