

The following are the that can be improved by using JS:

1) About.html page

a) Code snippet

The code below has <form> tag in which I am using the fullname name inside <p> and <input> tag, I plan to add email address box and ask user to add valid email address and check using Form Validation in JavaScript.

```
<form action="https://example.com" target="_blank" method="POST">
  <p>Please let us know a little about you. Thank you.</p><br>
  <p>
    FullName:
    <input type="text" id="userInput"> <br>
  </p>
  <h5 id="message"></h5>
  <br>
  <p>
    <label for="myEmail">Email Add:</label>
    <input type="email" name="myEmail" id="myEmail" pattern="[a-z0-9._%+-]"
      required>
  </p>
  <br>
  <p>If you have any comments please feel free to share!</p>
  <textarea name="comments" rows="4" cols="35" placeholder="Comments..."></t
  <br>
  <input type="submit" onclick="eventHandlerFunc()">
  <h6>Please click submit to see user name appear on screen [event handler]
</form>
```

b) Current outcome

The form below is current outcome.



FullName:

Email Add:

If you have any comments please feel free to share!

Comments...

Please click submit to see user name appear on screen (event handler)

c) Desired outcome

I would prefer to change the form and add the email address box for the user and make it the required field name as well as check the field name/ email address is correctly entered or not.

d) Code snippet that can fix the problem

I believe the JS code below can fix this problem...

```
const errorMessage = document.getElementById('error');
function emailAddress(event) {
  const myEmail = document.getElementById('myEmail').pattern;
  let messages = []
  if (!myEmail.match(pattern)) {
    messages.push('First name and last name are required');
  }
  // Cancel form submission if tos not checked
  if (messages.length > 0) {
    event.preventDefault();
  }
}
```

e) New Outcome



FullName:

Welcome to my webpage

Email Add:

! Please enter a part following '@'. 'g@' is incomplete.

If you have any comments please feel free to share!

Comments...

Submit

2) All web pages links

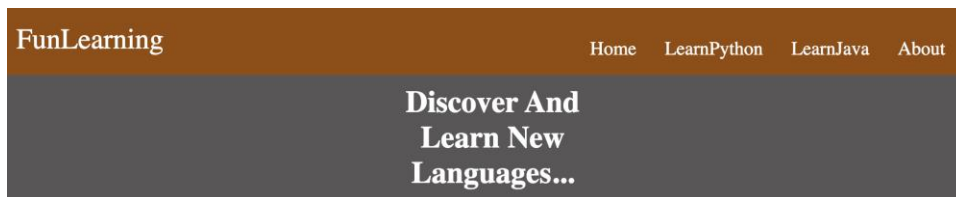
a) Code snippet

The code below has <nav> tag, which contains all the anchor tags for the links on the website. The <div> tag contains the LOGO which is FunLearning link with the class name “logo”.

```
<header>
  <div class="logo">
    <a href="index.html">
      <p>FunLearning</p>
    </a>
  </div>
  <nav>
    <ul>
      <a href="About.html">About</a>
      <a href="LearnJava.html">LearnJava</a>
      <a href="LearnPython.html">LearnPython</a>
      <a href="index.html">Home</a>
    </ul>
  </nav>
</header>
```

b) Current Outcome

The current outcome is as follows:



c) Desired Outcome

I want to make the links appear active while the user is on the current/ active page, for that I plan to use JS and make a function to keep the links active while users are active on the page.

d) Code snippet that can fix the problem

I believe the code below can fix this problem

```
let links = document.querySelectorAll('.links a');
let bodyId = document.querySelector('body').id;

for (let link of links) {
  if (link.dataset.active == bodyId) {
    link.classList.add("active");
  }
}
```

e) New Outcome

The new outcome shows that the HOME page is currently active...

