



WebApp_Lab2_Report

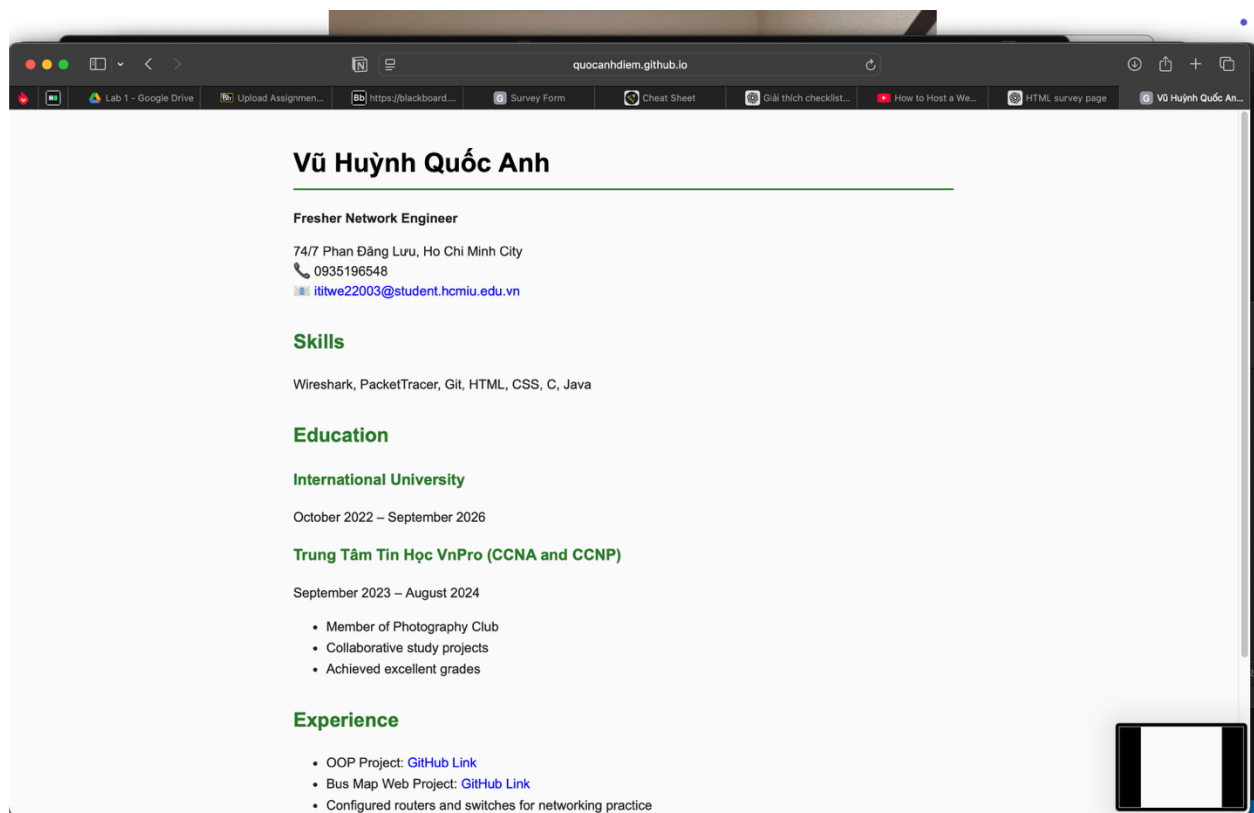
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GITHUB: https://github.com/QuocAnhDiEm/WebApp_Lab2.git

EX 1

<https://quocanhdiem.github.io/CV-Demo/>



EX 2

```
index.html x
index.html > ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>Survey Form</title>
7
8    <link
9      href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
10     rel="stylesheet">
11  <style>
12    body {
13      background-color: #f9fdfc;
14      font-family: Arial, sans-serif;
15      margin: 40px;
16    }
17    .survey-container {
18      background-color: white;
19      border: 1px solid #ccc;
20      border-radius: 10px;
21      padding: 30px;
22      max-width: 600px;
23      margin: auto;
24      box-shadow: 0px 4px 10px rgba(0,0,0,0.1);
25    }
26
27    h2, h5 {
28      color: #0056b3;
29    }
30
31    label {
32      color: #000;
33    }
34
35    .form-check-label {
36      color: #000;
37    }
38
39    .btn-success {
40      background-color: #0056b3;
```

```

41     border-color: #0056b3;
42 }
43 .btn-success:hover {
44     background-color: #00408f;
45     border-color: #00408f;
46 }
47 </style>
48 </head>
49 <body>
50
51 <div class="container p-4 bg-white shadow rounded mt-5">
52
53 <div class="text-center mb-3">
54     
55 </div>
56
57 <h2>Survey</h2>
58 <p>If you have a moment, we'd appreciate it if you would fill out this survey.</p>
59
60 <form id="surveyForm">
61
62     <h5>Your information:</h5>
63     <div class="mb-3">
64         <label for="fname" class="form-label">First Name</label>
65         <input type="text" class="form-control" id="fname" required>
66     </div>
67
68     <div class="mb-3">
69         <label for="lname" class="form-label">Last Name</label>
70         <input type="text" class="form-control" id="lname" required>
71     </div>
72
73     <div class="mb-3">
74         <label for="email" class="form-label">Email</label>
75         <input type="email" class="form-control" id="email" required>

```

```

76     </div>
77
78     <div class="mb-3">
79         <label for="dob" class="form-label">Date of Birth</label>
80         <input type="date" class="form-control" id="dob" required>
81     </div>
82
83     <h5>How did you hear about us?</h5>
84     <div class="mb-3">
85         <div class="form-check">
86             <input class="form-check-input" type="radio" name="source" id="search" value="search" required>
87             <label class="form-check-label" for="search">Search engine</label>
88         </div>
89         <div class="form-check">
90             <input class="form-check-input" type="radio" name="source" id="word" value="word">
91             <label class="form-check-label" for="word">Word of mouth</label>
92         </div>
93         <div class="form-check">
94             <input class="form-check-input" type="radio" name="source" id="social" value="social">
95             <label class="form-check-label" for="social">Social Media</label>
96         </div>
97         <div class="form-check">
98             <input class="form-check-input" type="radio" name="source" id="other" value="other">
99             <label class="form-check-label" for="other">Other</label>
100         </div>
101     </div>
102
103     <h5>Would you like to receive announcements about new CDs and special offers?</h5>
104     <div class="form-check">
105         <input class="form-check-input" type="checkbox" id="receive">
106         <label class="form-check-label" for="receive">YES, I'd like that.</label>
107     </div>
108
109     <div class="form-check">

```

```

110     <input class="form-check-input" type="checkbox" id="emailAnnouncements">
111     <label class="form-check-label" for="emailAnnouncements">
112         YES, please send me email announcements.
113     </label>
114 </div>
115
116 <div class="mb-3 mt-3">
117     <label for="contact" class="form-label">Please contact me by:</label>
118     <select class="form-select" id="contact" required>
119         <option>Email or postal mail</option>
120         <option>Email only</option>
121         <option>Postal mail only</option>
122     </select>
123 </div>
124
125 <button type="submit" class="btn btn-success">Submit</button>
126 </form>
127 </div>
128
129 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>
130
131 <script>
132     document.getElementById("surveyForm").addEventListener("submit", function(event) {
133         event.preventDefault();
134
135         const data = {
136             fname: document.getElementById("fname").value,
137             lname: document.getElementById("lname").value,
138             email: document.getElementById("email").value,
139             dob: document.getElementById("dob").value,
140             source: document.querySelector('input[name="source"]:checked')?.value || "Not selected",
141             receive: document.getElementById("receive").checked ? "Yes" : "No",
142             emailAnnouncements: document.getElementById("emailAnnouncements").checked ? "Yes" : "No",
143             contact: document.getElementById("contact").value
144         };
145
146         localStorage.setItem("surveyResult", JSON.stringify(data));
147         window.location.href = "result.html";
148     });
149 </script>
150
151
152 </body>
153 </html>
154
155

```

result.html

```

<!DOCTYPE html>
<html lang="en">

```

```
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-
width, initial-scale=1.0">
  <title>Survey Result</title>
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/
dist/css/bootstrap.min.css"
rel="stylesheet">
  <style>
    body {
      background-color: #f9fdfc;
      font-family: Arial, sans-serif;
      margin: 40px;
    }
    .result-container {
      background-color: white;
      border: 1px solid #ccc;
      border-radius: 10px;
      padding: 30px;
      max-width: 600px;
      margin: auto;
      box-shadow: 0px 4px 10px rgba(0,0,0,0.1);
    }
    h2 {
      color: #0056b3;
    }
  }
```

```
.label {
  font-weight: bold;
  color: #000;
}
</style>
</head>
<body>

  <div class="result-container">
    <h2>Survey Result</h2>
    <div id="result"></div>
    <a href="survey.html" class="btn btn-primary
mt-3">Back to Survey</a>
  </div>

  <script>
    const data =
JSON.parse(localStorage.getItem('surveyResult'));

    if (data) {
      document.getElementById('result').innerHTML =
      ,
        <p><span class="label">First Name:</span>
${data.fname}</p>
        <p><span class="label">Last Name:</span>
${data.lname}</p>
        <p><span class="label">Email:</span>
${data.email}</p>
```

```
        <p><span class="label">Date of  
Birth:</span> ${data.dob}</p>  
        <p><span class="label">Heard about us  
via:</span> ${data.source}</p>  
        <p><span class="label">Wants offers:</span>  
${data.receive}</p>  
        <p><span class="label">Wants email  
announcements:</span>  
${data.emailAnnouncements}</p>  
        <p><span class="label">Contact  
method:</span> ${data.contact}</p>  
        `;  
    } else {  
        document.getElementById('result').innerHTML =  
            "<p>No survey data found. Please fill out  
the form first.</p>";  
    }  
</script>  
  
</body>  
</html>
```


The screenshot shows a web browser window with the address bar displaying '127.0.0.1'. The browser's tab bar includes several tabs, with 'Survey Form' being the active one. The survey form itself is titled 'Survey' and features a logo at the top center. Below the title, a message states: 'If you have a moment, we'd appreciate it if you would fill out this survey.' The form is divided into sections. The first section, 'Your information:', contains four input fields: 'First Name' (filled with 'VU'), 'Last Name' (filled with 'ANH'), 'Email' (filled with 'anh101hd8@gmail.com'), and 'Date of Birth' (filled with '10/19/2004'). The second section, 'How did you hear about us?', has four radio button options: 'Search engine', 'Word of mouth', 'Social Media' (which is selected), and 'Other'. The third section, 'Would you like to receive announcements about new CDs and special offers?', has two checkbox options: 'YES, I'd like that.' (which is unselected) and 'YES, please send me email announcements.' (which is selected). Below this, a 'Please contact me by:' section has a dropdown menu set to 'Postal mail only'. A blue 'Submit' button is located at the bottom of the form.

Survey

If you have a moment, we'd appreciate it if you would fill out this survey.

Your information:

First Name
VU

Last Name
ANH

Email
anh101hd8@gmail.com

Date of Birth
10/19/2004

How did you hear about us?

☐ Search engine
☐ Word of mouth
☒ Social Media
☐ Other

Would you like to receive announcements about new CDs and special offers?

☐ YES, I'd like that.
☒ YES, please send me email announcements.

Please contact me by:
Postal mail only

Submit

The screenshot shows the same web browser window after the survey has been submitted. The active tab is now 'Survey Result'. A white box in the center of the page displays the survey results. The results are listed as follows: 'First Name: VU', 'Last Name: ANH', 'Email: anh101hd8@gmail.com', 'Date of Birth: 2004-10-19', 'Heard about us via: social', 'Wants offers: No', 'Wants email announcements: Yes', and 'Contact method: Postal mail only'. At the bottom of this box is a blue button labeled 'Back to Survey'.

Survey Result

First Name: VU
Last Name: ANH
Email: anh101hd8@gmail.com
Date of Birth: 2004-10-19
Heard about us via: social
Wants offers: No
Wants email announcements: Yes
Contact method: Postal mail only

Back to Survey

When you fill in the information and select it and click **submit**, it will go to the page displaying the results.

EX3

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-
width, initial-scale=1.0">
  <title>Flexbox 3-Column Layout</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <!-- Header section spans full width -->
  <header class="header">Header</header>

  <!-- Container Flexbox -->
  <div class="container">
    <aside class="sidebar sidebar-a">Sidebar
A</aside>

    <!-- Layout Structure -->
    <main class="main">Main content</main>
    <aside class="sidebar sidebar-b">Sidebar
B</aside>
  </div>

  <footer class="footer">Footer</footer> <!--
Footer -->
</body>
```

```
</html>
```

CSS

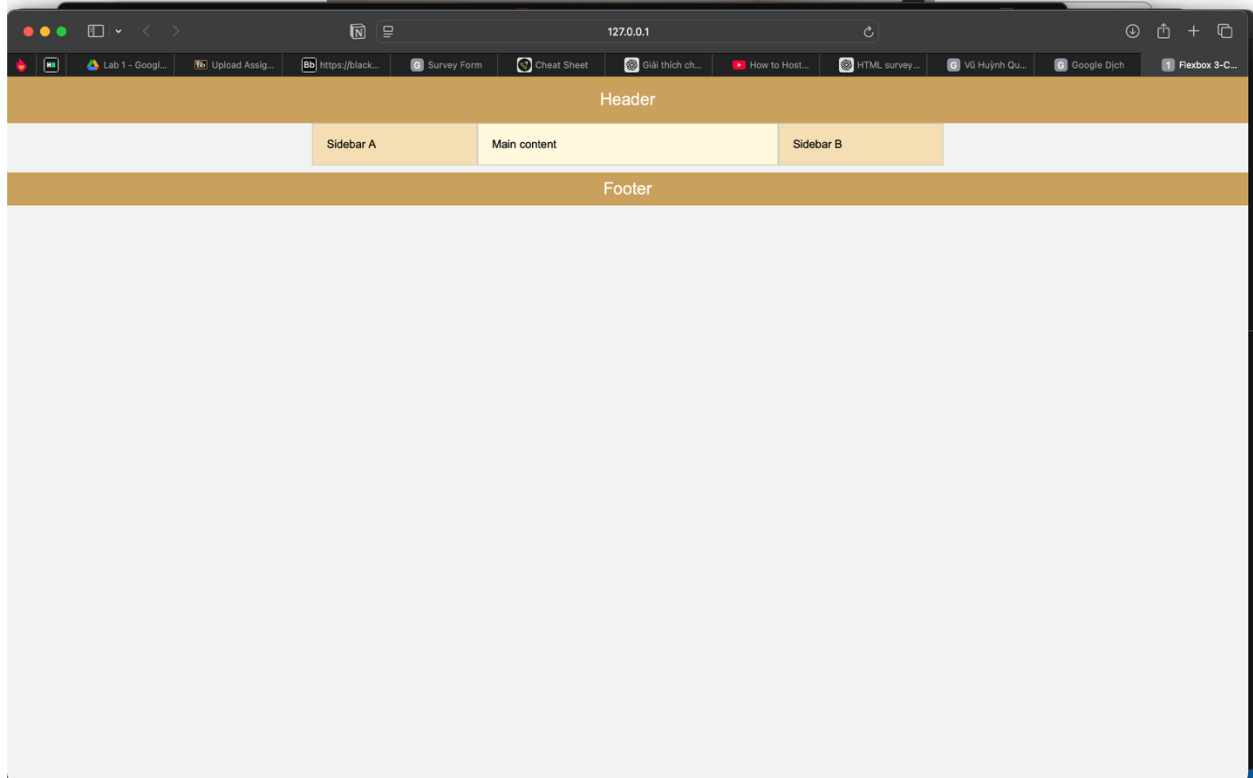
```
body {  
    font-family: Arial, sans-serif;  
    margin: 0;  
    padding: 0;  
    background-color: #f2f2f2;  
}  
  
/* Header full width*/  
.header, .footer {  
    background-color: #c9a25d;  
    color: white;  
    text-align: center;  
    padding: 20px 0;  
    font-size: 1.5em;  
}  
  
.container {  
    display: flex; /*Flexbox container*/  
    width: 900px; /* Fixed width layout */  
    margin: 0 auto;  
    background-color: #fff;  
}
```

```
/* 3 Columns Flex */
.sidebar, .main {
  padding: 20px;
  border: 1px solid #ccc;
}

/* Columns maintain proper proportions */
.sidebar-a {
  flex: 1;
  background-color: #f5deb3;
}
.main {
  flex: 2;
  background-color: #fff8dc;
}
.sidebar-b {
  flex: 1;
  background-color: #f5deb3;
}

/* Footer spans full width */
.footer {
  background-color: #c9a25d;
  color: white;
  text-align: center;
  padding: 10px;
  margin-top: 10px;
}
```

```
/* Proper CSS flexbox properties used */
@media (max-width: 768px) {
  .container {
    flex-direction: column;
    width: 100%;
  }
  .sidebar, .main {
    width: 100%;
  }
}
```



EX4

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-
width, initial-scale=1.0">
  <title>San Joaquin Valley Town Hall</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>

  <!-- Header section with logo + title -->
  <header class="header">
    <div class="logo-box">
      
    </div>

    <div class="header-text">
      <h1>San Joaquin Valley Town Hall</h1> <!--
Logo/title displayed -->
      <p>Bringing cutting-edge speakers to the
valley</p>

    </div>
  </header>

  <!-- Main container using Flexbox for layout -->
```

```
<div class="container">
  <div class="main-content">
    <h2>This season's guest speakers</h2> <!--
Formatted properly -->
    <ul>
      <li>October: <strong>Lorem
Ipsum</strong></li>
      <li>November: <strong>Dolor
Sit</strong></li>
      <li>January: <strong>Amet
Consectetur</strong></li>
      <li>February: <strong>Adipiscing
Elit</strong></li>
      <li>March: <strong>Integer
Vitae</strong></li>
      <li>April: <strong>Ronan
Tynan</strong></li>
    </ul>

    <!-- "Looking for a unique gift?" section
present -->
    <h3>Looking for a unique gift?</h3>
    <p>Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Sed non risus.
      Curabitur varius, quam in tristique
porttitor, ligula justo euismod magna,
```

ac tincidunt metus felis non nulla. Nulla facilisi. Duis ac augue vel lectus pharetra varius.</p>

<!-- Contact info included -->
<p>Contact us by phone at (559) 555-1212 for ticket information.</p>
</div>

<aside class="sidebar">
<h3>Lecture notes</h3> <!-- Section present with details -->
<h4>Event change for November</h4>
<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus
id feugiat tortor. Nulla facilisi.</p>
<h4>Lecture day, time, and location</h4>
<p>All one-hour lectures are on the second Wednesday of the month beginning
at 10:30 a.m. at William Saroyan Theatre,
700 M Street, Fresno, CA.</p>
</aside>
</div>

<footer class="footer">
<p>© 2022 San Joaquin Valley Town Hall.</p>
</footer>


```
</body>
</html>
```

```
body {
  font-family: Arial, sans-serif;
  margin: 0;
  background-color: #fff8e7;
  color: #333;
}

/* Header implemented with background color,
typography */
.header {
  background-color: #f5b041;
  color: #4b2800;
  display: flex;
  align-items: center;
  padding: 10px 20px;
  border-bottom: 3px solid #c97e18;
}

.logo-box {
  display: flex;
  align-items: center;
  justify-content: center;
```

```
background-color: #f4b041;  
width: 80px;  
height: 80px;  
border-radius: 10px;  
}
```

```
.logo-img {  
width: 60px;  
height: auto;  
border-radius: 5px;  
}
```

```
.logo-placeholder {  
width: 70px;  
height: 70px;  
background-color: #f9d98a;  
border: 2px solid #c97e18;  
text-align: center;  
line-height: 70px;  
font-weight: bold;  
}
```

```
.header-text h1 {  
margin: 0;  
font-size: 1.6em;  
}
```

```
.header-text p {
```

```
margin: 5px 0 0;
font-style: italic;
font-size: 1em;
}

/* Flexbox for layout
   Two-column structure
*/
.container {
  display: flex;
  justify-content: space-between;
  width: 900px;
  margin: 20px auto;
  gap: 20px;
}

.main-content {
  flex: 2;
  background-color: #fff;
  padding: 15px;
  border: 1px solid #ccc;
}

.sidebar {
  flex: 1;
  background-color: #fff6dc;
  border: 1px solid #ccc;
  padding: 15px;
}
```

```
/* Borders, spacing match design
   Color scheme
*/
h2, h3, h4 {
    color: #4b2800;
}
ul {
    list-style: none;
    padding-left: 0;
}
li {
    margin: 5px 0;
}
strong {
    color: #a94400;
}

.footer {
    text-align: center;
    background-color: #f5b041;
    color: #4b2800;
    padding: 10px 0;
    margin-top: 10px;
    border-top: 2px solid #c97e18;
}

@media (max-width: 768px) {
```

```
.container {  
  flex-direction: column;  
  width: 95%;  
}  
}
```