

## ACTIVE LEARNING WORKSHEET

### Session 00 & Session 01: Introduction to Web Development with PHP

INS3064: Multimedia Design & Web Development

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Date:

Class: MIS2023B

## PART A: KNOWLEDGE SYNTHESIS

### A1. Key Concepts

Concept	Definition (Based on provided text)	Example
<b>PHP</b>	Stands for <b>PHP: Hypertext Preprocessor</b> . It is a server-side scripting language specifically designed for web development.	<code>&lt;?php ... ?&gt;</code>
<b>echo</b>	An output statement used to display data. It has no return value, is slightly faster than <code>print</code> , and can accept multiple parameters.	<code>echo "Hello";</code>
<b>Server-side</b>	This means the code executes on the web server before sending content to the user. The user never sees the PHP code, only the HTML output it generates.	PHP processing data

### A2. Multiple Choice Questions

#### 1. PHP stands for?

- A) Personal Home Page
- **B) PHP: Hypertext Preprocessor**
- C) Pre Hypertext Processor
- D) Page Hypertext Programming

Answer: B

#### 2. The correct PHP opening tag is?

- A) `<php>`
- **B) `<?php`**
- C) `<script php>`
- D) `<?PHP`

Answer: B

### 3. PHP statements end with?

- A) Period (.)
- B) Comma (,)
- C) Semicolon (;)
- D) No ending required

Answer: C

### A3. Essay Questions

#### 1. Explain the process from when a user enters a URL until the webpage is displayed.

Answer: The request-response cycle occurs in the following steps:

1. **Browser Request:** The user enters a URL.
2. **Server Receives:** The web server receives the HTTP request.
3. **PHP Processing:** The server identifies the .php file and passes it to the processor.
4. **Code Execution:** PHP processes the code (calculations, database queries, etc.).
5. **HTML Generation:** PHP generates HTML output.
6. **Response Sent:** The server sends the HTML back to the browser.
7. **Browser Display:** The browser renders the HTML for the user.

#### 2. Why should you use `echo` instead of `print`?

Answer: You should use `echo` because it is slightly faster than `print`. Additionally, `echo` allows for multiple parameters (separated by commas), whereas `print` only accepts one parameter. The document explicitly recommends using `echo` for optimal performance and flexibility.

## PART B: THEORETICAL EXERCISE

### EXERCISE 1: Debug Code

Find and fix the errors in the following code:

PHP

```
<?phpecho "Hello World"  
echo "Welcome to PHP!";print "This is", "PHP";?>
```

#### Errors Identified:

1. **Opening Tag:** `<?phpecho` is incorrect; there must be a space or newline after `<?php`.
2. **Missing Semicolon:** The first statement `"Hello World"` is missing a semicolon `;` at the end.
3. **Print Usage:** `print` is used with two parameters (`"This is", "PHP"`), but `print` only accepts one parameter.

## Corrected Code:

### PHP

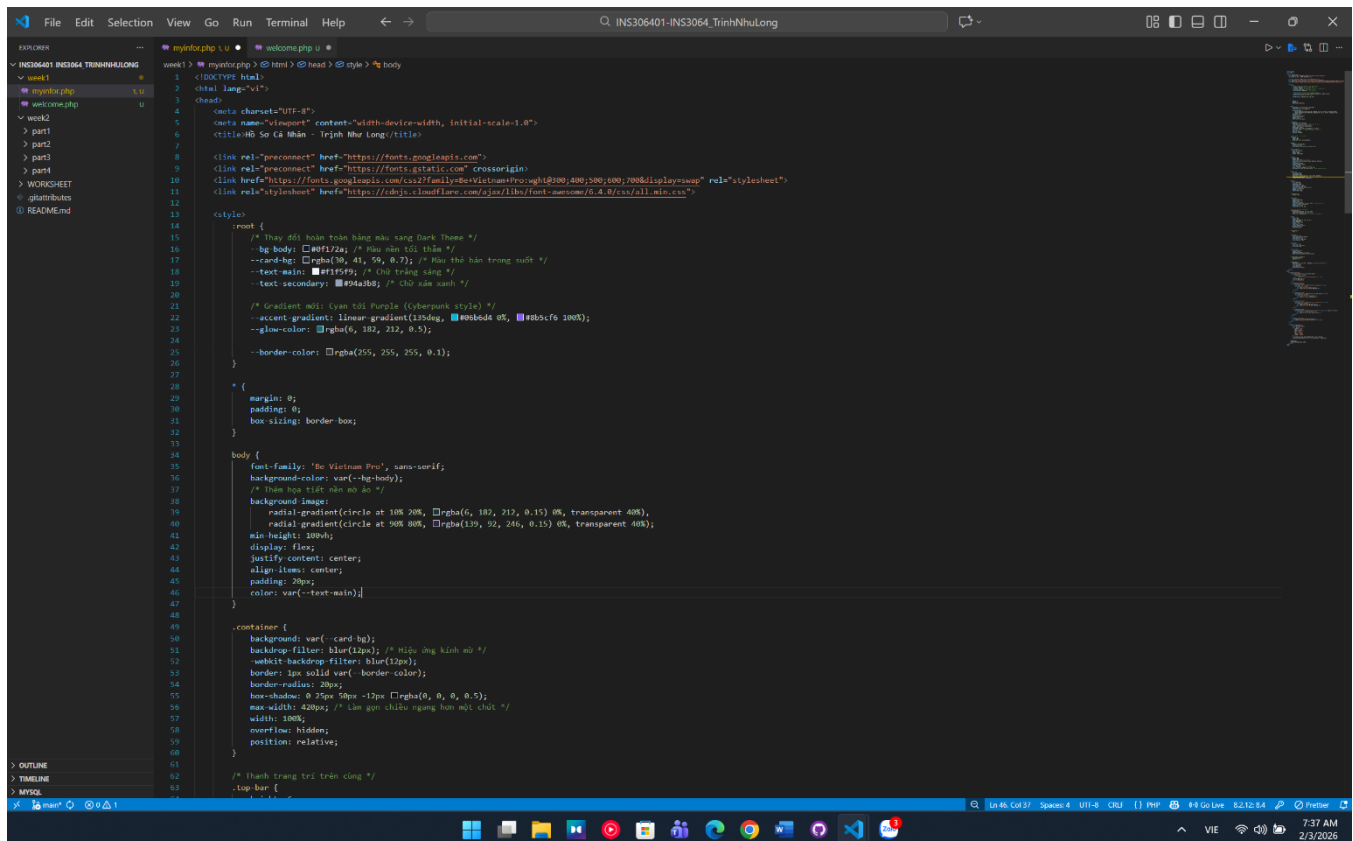
```
<?php
// Added space after opening tag and semicolon at the end of the line
echo "Hello World";

echo "Welcome to PHP!";

// Changed print to echo because echo accepts multiple parameters
echo "This is", "PHP";
?>
```

## PART C: PRACTICAL EXERCISE 1: Personal Information Page

**File Name:** myinfo.php **Description:** This page uses inline CSS to create a card interface displaying personal details and the current access time.



```
1 <!DOCTYPE html>
2 <html lang="vi">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 <title>Hồ Sơ Cá Nhân - Trịnh Như Long</title>
7
8 <link rel="preconnect" href="https://fonts.googleapis.com">
9 <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
10 <link href="https://fonts.googleapis.com/css2?family=BeVietnamPro:wght@300;400;500;600;700&display=swap" rel="stylesheet">
11 <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.0/css/all.min.css">
12
13 <style>
14
15 /* Thay đổi hoàn toàn bảng màu sang Dark Theme */
16 :bg-body: #00172a; /* Màu nền tối thẫm */
17 --rand-hg: #99a8b0; /* Màu sắc tối thiểu */
18 --text-main: #e0e0e0; /* Chữ trắng sáng */
19 --text-secondary: #99a8b0; /* Chữ xám nhạt */
20
21 /* Gradient mới: Cyan tới Purple (chớp mắt style) */
22 --accent-gradient: linear-gradient(135deg, #00b0f0 0%, #8080ff 100%);
23 --glow-color: #99a8b0; /* Màu ánh sáng */
24
25 --border-color: #99a8b0; /* Màu viền */
26
27
28 * {
29     margin: 0;
30     padding: 0;
31     box-sizing: border-box;
32 }
33
34 body {
35     font-family: 'Be Vietnam Pro', sans-serif;
36     background-color: var(--bg-body);
37     /* Thêm họa tiết nền mờ ảo */
38     background-image:
39         radial-gradient(circle at 10% 20%, #99a8b0 0%, #99a8b0 0%, transparent 40%),
40         radial-gradient(circle at 90% 80%, #99a8b0 0%, #99a8b0 0%, transparent 40%);
41     min-height: 100vh;
42     display: flex;
43     justify-content: center;
44     align-items: center;
45     padding: 20px;
46     color: var(--text-main);
47 }
48
49 .container {
50     background: var(--card-bg);
51     backdrop-filter: blur(12px); /* Hiệu ứng kính mờ */
52     subkit-backdrop-filter: blur(12px);
53     border: 2px solid var(--border-color);
54     border-radius: 20px;
55     box-shadow: 0 25px 50px -12px #99a8b0; /* Hiệu ứng đổ bóng */
56     max-width: 420px; /* Hạn chế chiều ngang hơn một chút */
57     width: 100%;
58     overflow: hidden;
59     position: relative;
60 }
61
62 /* Thêm trạng thái trên cùng */
63 .top-bar {
```

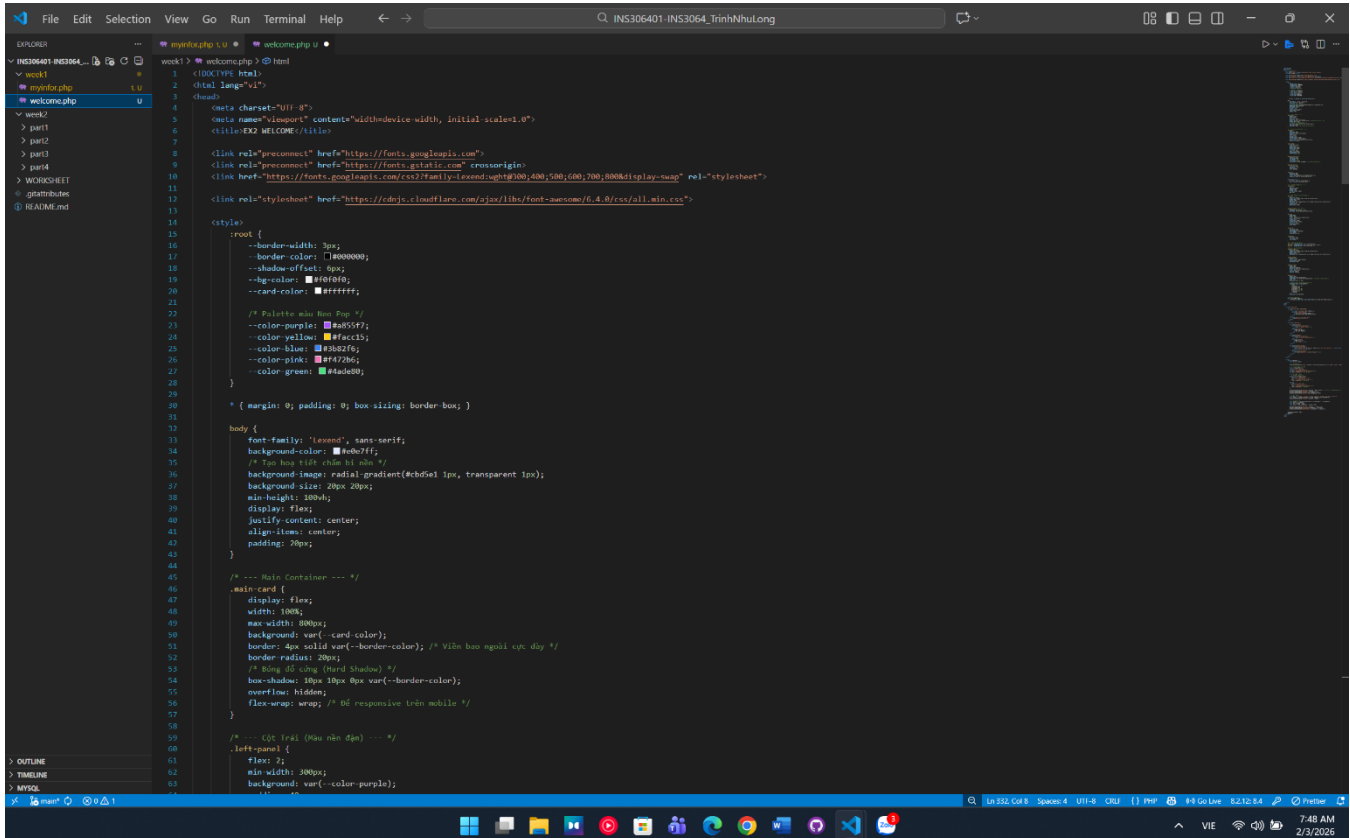


```
File Edit Selection View Go Run Terminal Help
INS306401-INS3064-TrinhNhuLong
myenfor.php u welcome.php u
week1 > myenfor.php > html > head > style > % body
2 <html lang="vi">
3 <head>
4
5 <style>
6
7 .time-display {
8     font-family: 'Courier New', monospace; /* Font kiểu kỹ thuật số */
9     font-size: 18px;
10    color: #002060;
11    font-weight: bold;
12    letter-spacing: -0.5px;
13 }
14
15 </style>
16 </head>
17 <body>
18
19 <div class="container">
20     <div class="top-bar"></div> <div class="header">
21         <div class="avatar-wrapper">
22             <div class="avatar">
23                 <i class="fa-solid fa-user-astronaut"></i> </div>
24             </div>
25             <div>Trinh Nhu Long</div>
26             <div>Số sinh viên</div>
27         </div>
28
29 <div class="info-section">
30     <div class="info-item">
31         <div class="icon"><i class="fa-solid fa-signature"></i></div>
32         <div class="info-content">
33             <div class="info-label">Họ và Tên</div>
34             <div class="info-value">Trinh Nhu Long</div>
35         </div>
36
37 <div class="info-item">
38     <div class="icon"><i class="fa-solid fa-cake-candles"></i></div>
39     <div class="info-content">
40         <div class="info-label">Ngày sinh</div>
41         <div class="info-value">04/03/2005</div>
42     </div>
43
44 <div class="info-item">
45     <div class="icon"><i class="fa-solid fa-location-dot"></i></div>
46     <div class="info-content">
47         <div class="info-label">Quê Quê</div>
48         <div class="info-value">Hà Nội, Việt Nam</div>
49     </div>
50
51 <div class="info-item">
52     <div class="icon"><i class="fa-solid fa-bolt"></i></div> <div class="info-content">
53         <div class="info-label">Số Thich</div>
54         <div class="info-value">Đôi, Ơm, Du lịch</div>
55     </div>
56 </div>
57
58 <div class="current-time">
59     <div class="info-label">Real-time System</div>
60     <div class="time-display" id="currentTime">:::--::: </div>
61 </div>
62
63 </body>
64 </html>
```

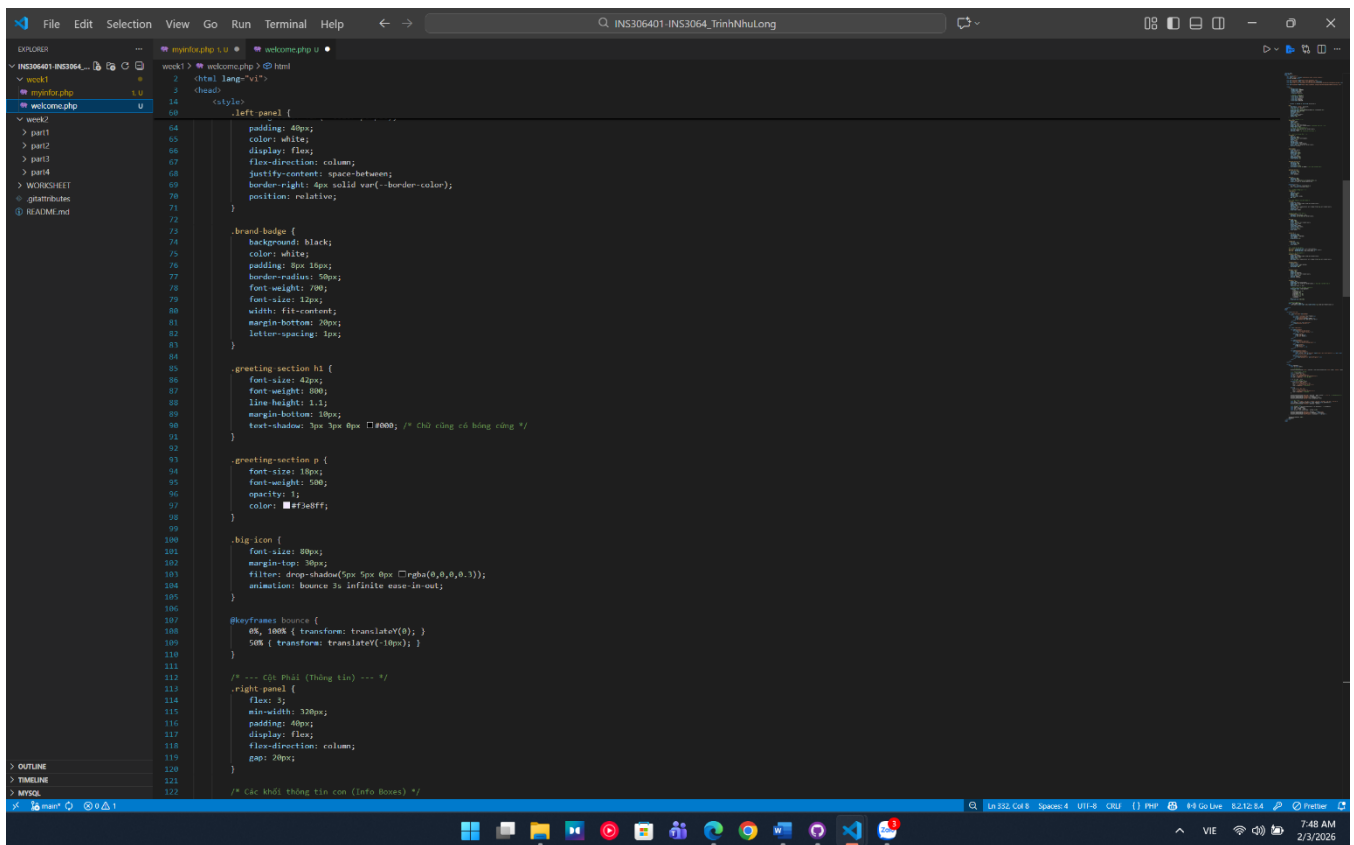
```
File Edit Selection View Go Run Terminal Help
INS306401-INS3064-TrinhNhuLong
myenfor.php u welcome.php u
week1 > myenfor.php > html > head > style > % body
2 <html lang="vi">
3 <body>
4
5 <div class="container">
6     <div class="info-section">
7         <div class="info-item">
8             <div class="info-content">
9                 <div class="info-label">Họ và Tên</div>
10                <div class="info-value">Trinh Nhu Long</div>
11            </div>
12
13 <div class="info-item">
14     <div class="icon"><i class="fa-solid fa-cake-candles"></i></div>
15     <div class="info-content">
16         <div class="info-label">Ngày sinh</div>
17         <div class="info-value">04/03/2005</div>
18     </div>
19
20 <div class="info-item">
21     <div class="icon"><i class="fa-solid fa-location-dot"></i></div>
22     <div class="info-content">
23         <div class="info-label">Quê Quê</div>
24         <div class="info-value">Hà Nội, Việt Nam</div>
25     </div>
26
27 <div class="info-item">
28     <div class="icon"><i class="fa-solid fa-bolt"></i></div> <div class="info-content">
29         <div class="info-label">Số Thich</div>
30         <div class="info-value">Đôi, Ơm, Du lịch</div>
31     </div>
32 </div>
33
34 <div class="current-time">
35     <div class="info-label">Real-time System</div>
36     <div class="time display" id="currentTime">:::--::: </div>
37 </div>
38
39 </body>
40 </html>
41
42 <script>
43     function updateTime() {
44         const now = new Date();
45         const options = {
46             weekday: 'long',
47             year: 'numeric',
48             month: 'numeric',
49             day: 'numeric',
50             hour: '2-digit',
51             minute: '2-digit',
52             second: '2-digit'
53         };
54         let timeString = now.toLocaleDateString('vi-VN', options);
55         document.getElementById('currentTime').textContent = timeString;
56     }
57
58     updateTime();
59     setInterval(updateTime, 1000);
60 </script>
61 </body>
62 </html>
```

## PRACTICAL EXERCISE 2: Welcome Page (Strictly following the Worksheet)

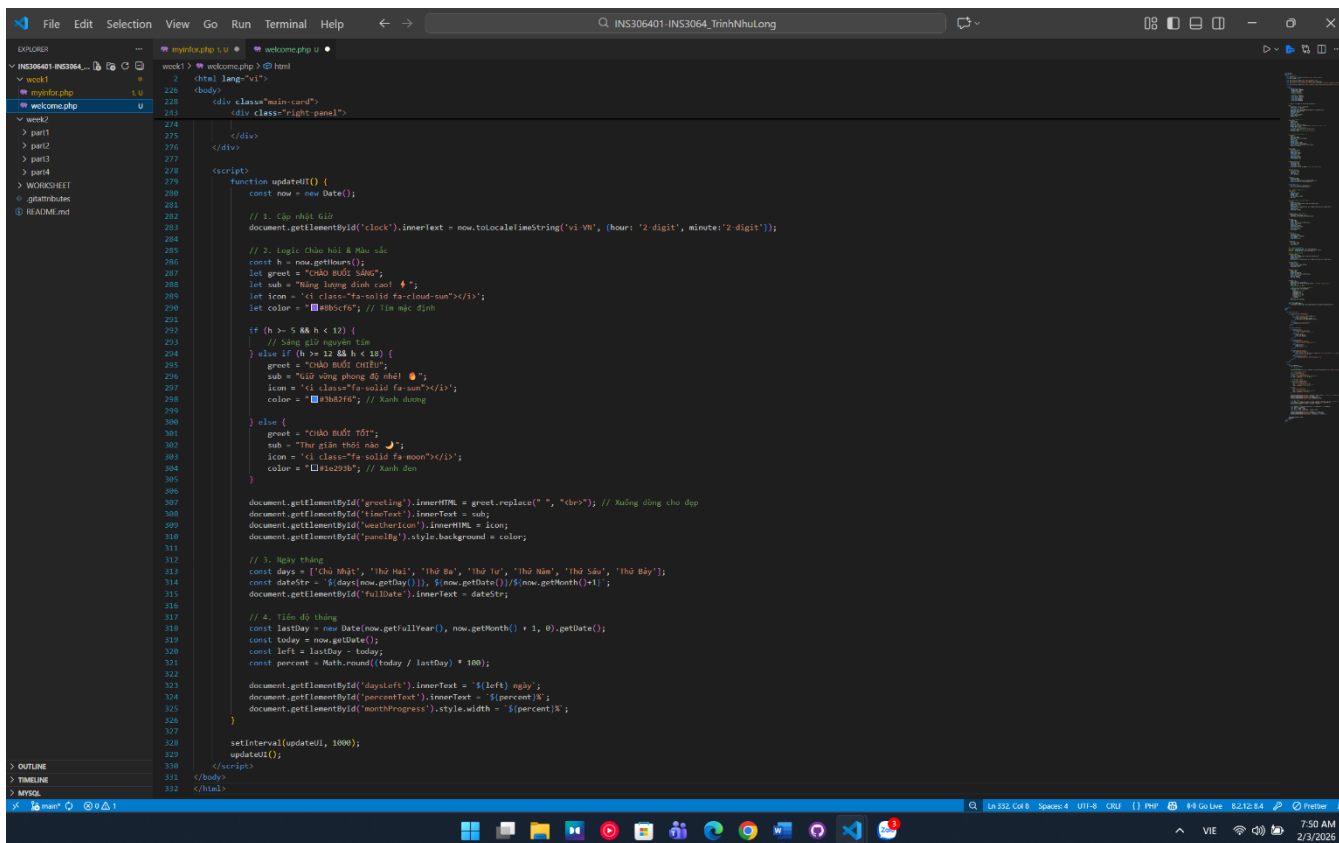
**File Name:** welcome.php



```
1 <!DOCTYPE html>
2 <html lang="vi">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>EX2 WELCOME</title>
7
8   <link rel="preconnect" href="https://fonts.googleapis.com">
9   <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
10  <link href="https://fonts.googleapis.com/css2?family=Lexend:wght@100;400;500;600;700;800&display=swap" rel="stylesheet">
11
12  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.0/css/all.min.css">
13
14
15  <style>
16  :root {
17    --border-width: 3px;
18    --border-color: #800000;
19    --shadow-offset: 4px;
20    --bg-color: #f0f0f0;
21    --card-color: #ffffff;
22
23    /* Palette của New Pop */
24    --color-purple: #8a56a7;
25    --color-yellow: #ffcc00;
26    --color-blue: #4682b4;
27    --color-pink: #ff72b6;
28    --color-green: #8ade90;
29  }
30
31  * { margin: 0; padding: 0; box-sizing: border-box; }
32
33  body {
34    font-family: 'Lexend', sans-serif;
35    background-color: #f0f0f0;
36    /* Tạo hiệu ứng gradient */
37    background-image: radial-gradient(circle, transparent 1px, transparent 1px);
38    background-size: 20px 20px;
39    min-height: 100vh;
40    display: flex;
41    justify-content: center;
42    align-items: center;
43    padding: 20px;
44  }
45
46  /* --- Main Container --- */
47  .main-card {
48    display: flex;
49    width: 100%;
50    max-width: 800px;
51    background: var(--card-color);
52    border: 4px solid var(--border-color); /* viền bao ngoài cứng */
53    border-radius: 20px;
54    box-shadow: 10px 10px 0px var(--border-color); /* bóng đổ cứng (Hard Shadow) */
55    overflow: hidden;
56    flex-wrap: wrap; /* để responsive trên mobile */
57  }
58
59  /* --- Cột trái (Menu nền tím) --- */
60  .left-panel {
61    flex: 1;
62    min-width: 300px;
63    background: var(--color-purple);
```

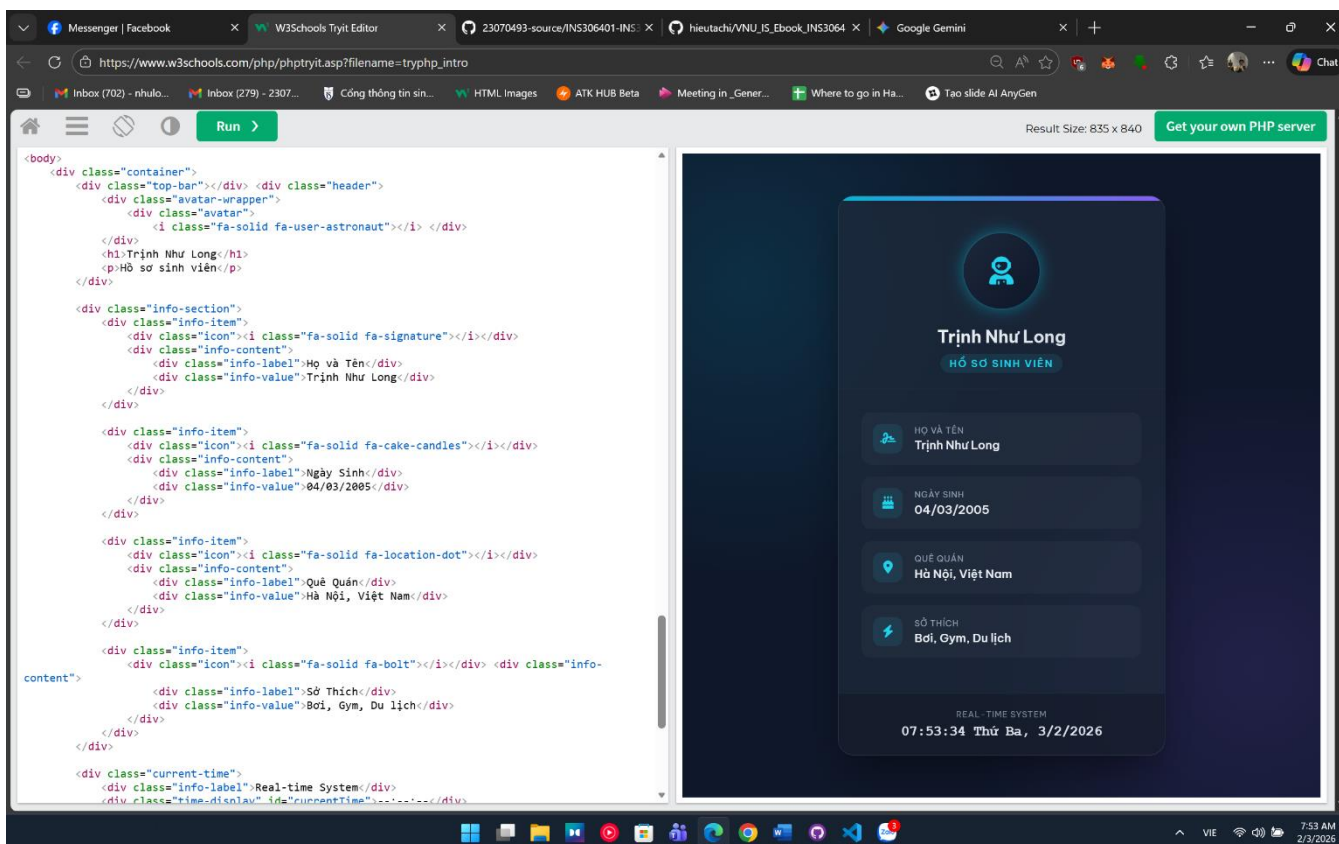






## PART D: PROOF OF WORK

### Evidence Item 1:



## Evidence Item 2:

