

# **CISW101 Web Scripting Languages**

Final Project


***Shane Kestler***

***Developing Web Applications  
Using  
HTML5, JavaScript and PHP  
As Programming Languages***

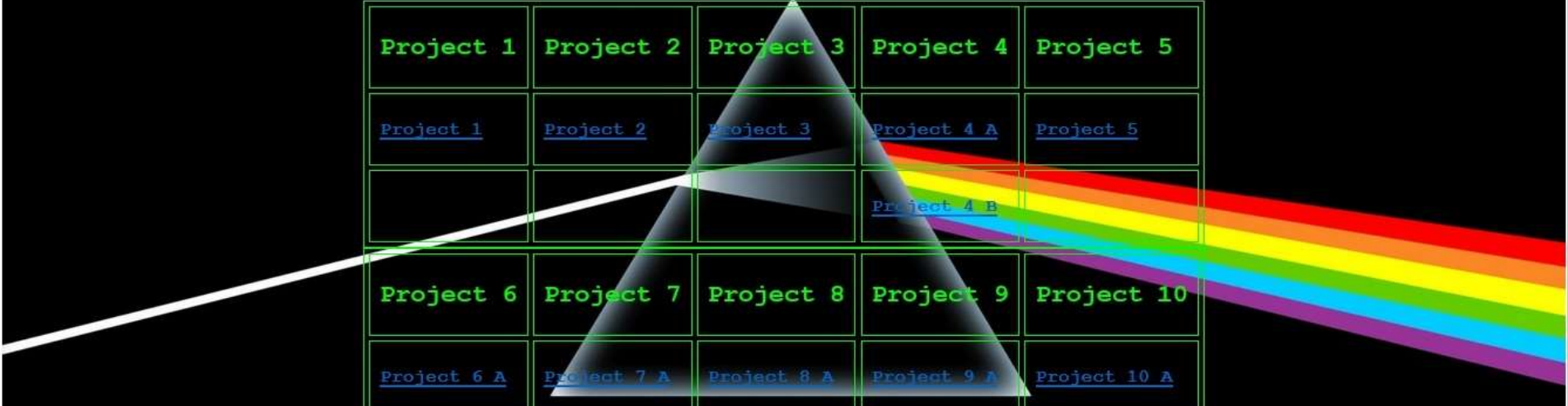
***Fall 2012***

# Menu App (Index.html)

Shane Kastler's Web Server



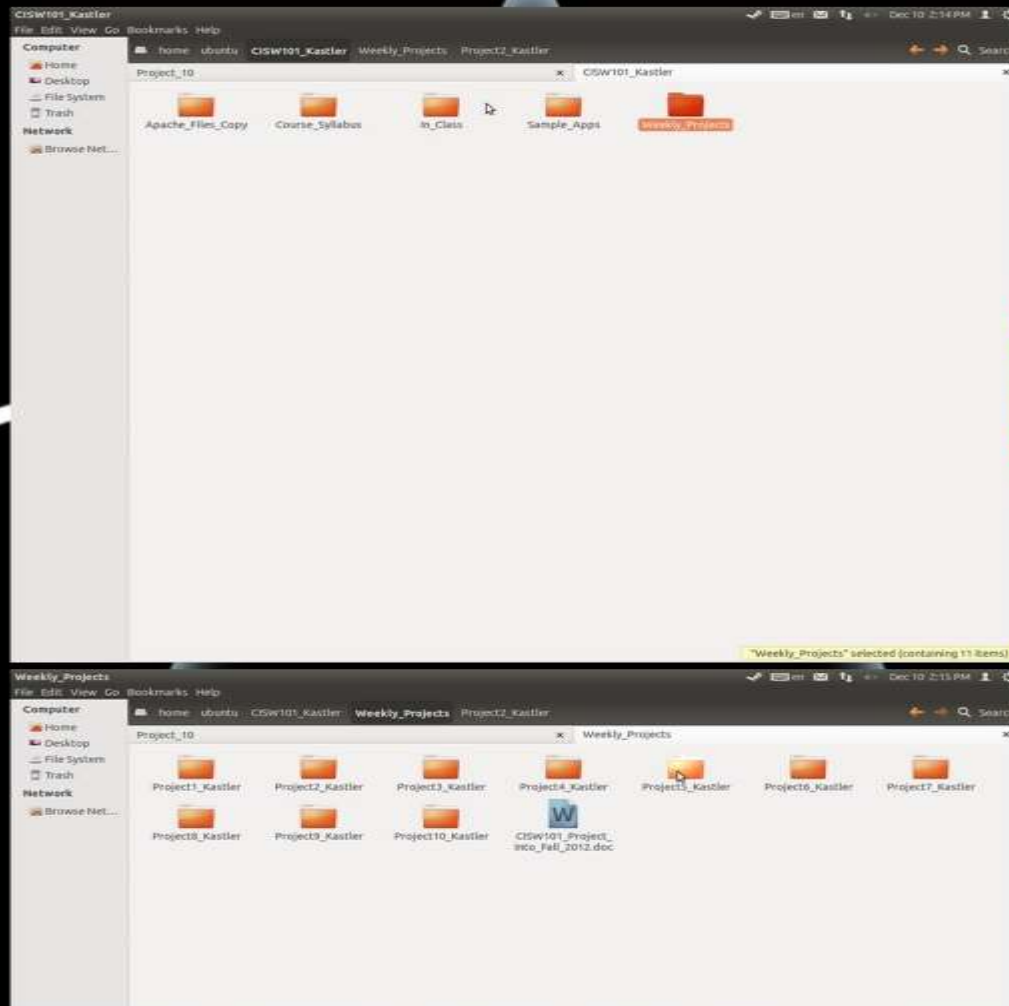
|                               |                             |                             |                             |                              |
|-------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|
| Project 1                     | Project 2                   | Project 3                   | Project 4                   | Project 5                    |
| <a href="#">Project 1</a>     | <a href="#">Project 2</a>   | <a href="#">Project 3</a>   | <a href="#">Project 4 A</a> | <a href="#">Project 5</a>    |
|                               |                             |                             | <a href="#">Project 4 B</a> |                              |
| Project 6                     | Project 7                   | Project 8                   | Project 9                   | Project 10                   |
| <a href="#">Project 6 A</a>   | <a href="#">Project 7 A</a> | <a href="#">Project 8 A</a> | <a href="#">Project 9 A</a> | <a href="#">Project 10 A</a> |
| <a href="#">Project 6 B</a>   | <a href="#">Project 7 B</a> | <a href="#">Project 8 B</a> | <a href="#">Project 9 B</a> | <a href="#">Project 10 B</a> |
| <a href="#">Project 6 C</a>   |                             | <a href="#">Project 8 C</a> |                             |                              |
| <a href="#">Final Project</a> |                             |                             |                             |                              |



# Menu App (Index.html)

# Project 1

Project 1 was to create a folder structure to store projects and data files and to download the necessary data files from the CCBC Blackboard website. The following photos are the folders.




# Project 1

## Project 2

**CISW-101 Web Scripting Languages**

**Shane Kastler**

**Project 2: My Information**



**My Information**

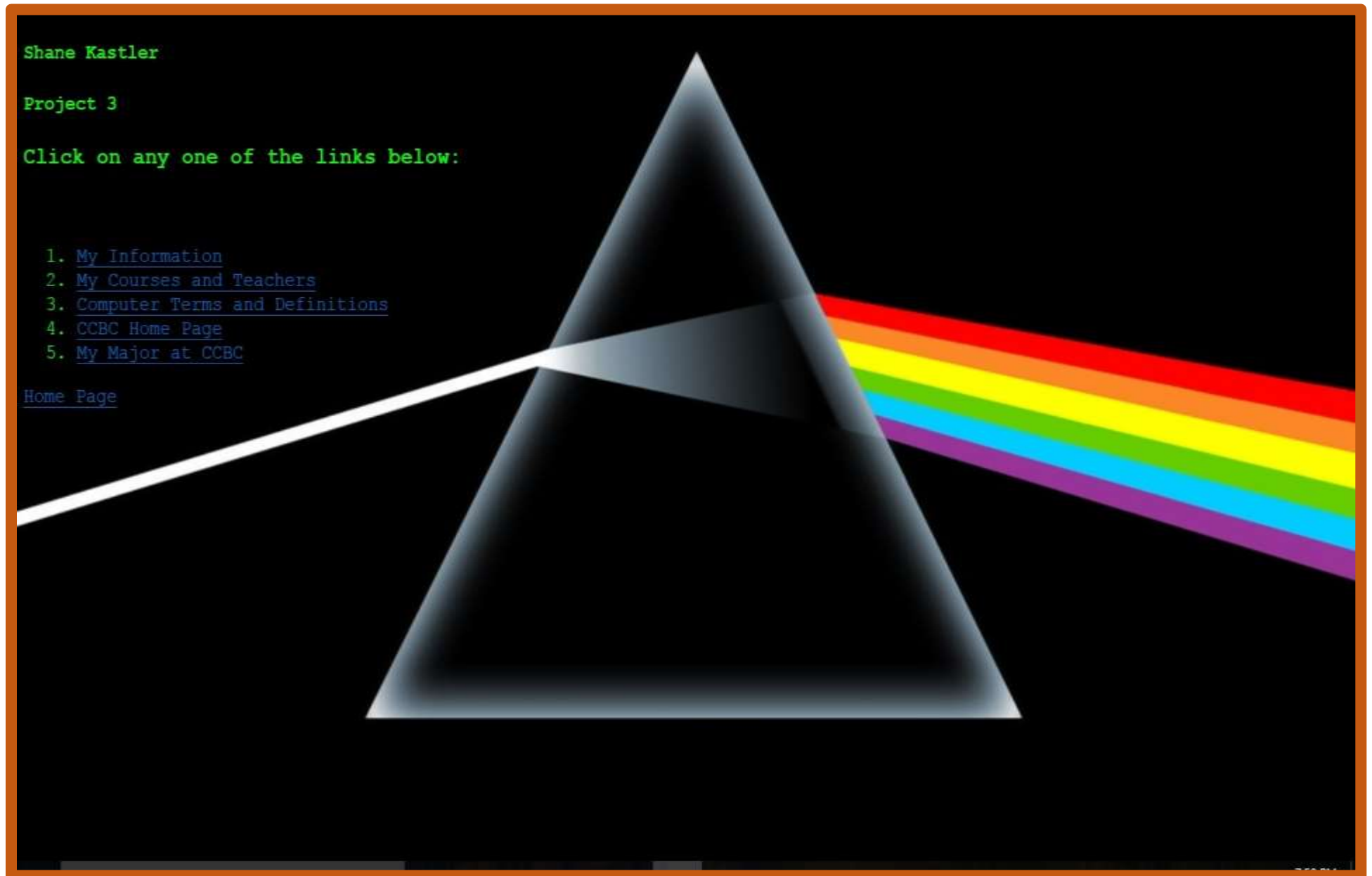
**Name First:** Shane  
**Last:** Kastler  
**Major:** Web Programming

**My Courses This Semester**

**CISW10101** Web Scripting Languages - Heidie Hutchinson  
**WRIT10002** English Composition - Frank Albert

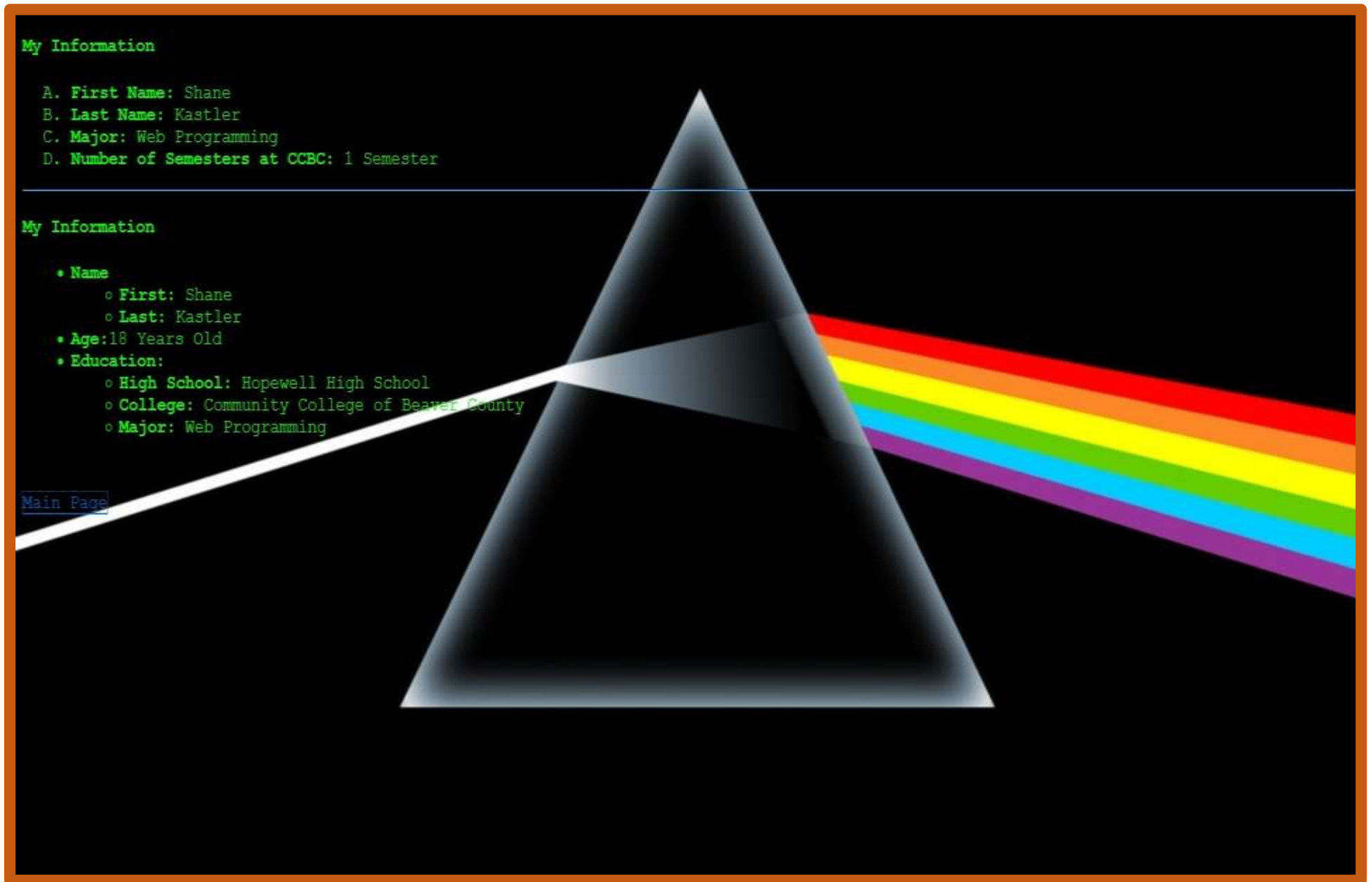
## Project 2

## Project 3 Menu



Project 3Main

# Project 3A



# Project 3A

## Project 3B

### My Fall 2013 Courses at CCBC

| Course    |                                  | Professor         |     |
|-----------|----------------------------------|-------------------|-----|
| CISW10101 | Web Scripting Languages          | Heidie Hutchinson | STC |
| XVIS11501 | Digital Imaging                  | Patricia Foley    | VFC |
| WRIT10114 | English Composition              | Frank Albert      | LRC |
| COLL10002 | First-Year Seminar               | Debra Frazier     | VFC |
| CIST10001 | Introduction to Information Tech | Douglas Leffler   | STC |
| CIST16001 | Visual Basic                     | Lorraine Rorick   | STC |

[Main Page](#)

## Project 3B



# Project 3C

## RAM

- (pronounced *ramm*) is an acronym for **Random Access Memory**, a type of computer memory that can be accessed randomly; that is, any byte of memory can be accessed without touching the preceding bytes. RAM is the most common type of memory found in computers and other devices, such as printers.  
- [Click here to see the source.](#)

## ROM

- (Pronounced *rahm*) acronym for **Read-Only Memory**, computer memory on which data has been prerecorded. Once data has been written onto a ROM chip, it cannot be removed and can only be read. Unlike main memory (RAM), ROM retains its contents even when the computer is turned off. ROM is referred to as being nonvolatile, whereas RAM is volatile.  
- [Click here to see the source.](#)

## TCP/IP

- (pronounced as separate letters) Short for **Transmission Control Protocol/Internet Protocol**, the suite of communications protocols used to connect hosts on the Internet. TCP/IP uses several protocols, the two main ones being TCP and IP. TCP/IP is built into the UNIX operating system and is used by the Internet, making it the de facto standard for transmitting data over networks. Even network operating systems that have their own protocols, such as Netware, also support TCP/IP.  
- [Click here to see the source.](#)

## MAC Address

- Short for **Media Access Control address**, a hardware address that uniquely identifies each node of a network. In IEEE 802 networks, the Data Link Control (DLC) layer of the OSI Reference Model is divided into two sub-layers: the Logical Link Control (LLC) layer and the Media Access Control (MAC) layer. The MAC layer interfaces directly with the network medium. Consequently, each different type of network medium requires a different MAC layer. On networks that do not conform to the IEEE 802 standards but do conform to the OSI Reference Model, the node address is called the Data Link Control (DLC) address.  
- [Click here to see the source.](#)

## WPA

- Short for **Wi-Fi Protected Access**, a Wi-Fi standard that was designed to improve upon the security features of WEP. The technology is designed to work with existing Wi-Fi products that have been enabled with WEP (i.e., as a software upgrade to existing hardware), but the technology includes two improvements over WEP: Improved data encryption through the temporal key integrity protocol (TKIP). TKIP scrambles the keys using a hashing algorithm and, by adding an integrity-checking feature, ensures that the keys haven't been tampered with. User authentication, which is generally missing in WEP, through the extensible authentication protocol (EAP). WEP regulates access to a wireless network based on a computer's hardware-specific MAC address, which is relatively simple to be sniffed out and stolen. EAP is built on a more secure public-key encryption system to ensure that only authorized network users can access the network. It should be noted that WPA is an interim standard that will be replaced with the IEEE's 802.11i standard upon its completion.

# Project 3C



# Project 3D

The image shows a screenshot of the CCBC (Community College of Beaver County) website. At the top, there is a navigation menu with links for 'About CCBC', 'Admissions & Financial Aid', 'Academics', 'College Resources', 'Community & Workforce', 'Athletics', and 'Alumni'. Below the menu is the CCBC logo and the text 'Community College of Beaver County'. To the right of the logo are buttons for 'Inquire' and 'Apply To CCBC', a search bar, and a language selection dropdown.

The main content area features a large banner with the text 'ROCK AND ENROLL' in a stylized font. To the right of the banner are links for 'Prospective Students' and 'Current Students'. Below these links is a 'Summer Camps' section with a description: 'Make the most of your day while your kids have the time of their lives. Camps are taught by adults active in our community including certified teachers, and field professionals. Camp curricula provide the best in education while ensuring your kids have fun!' and a 'Read More' link. A pagination bar shows numbers 1 through 6, with 4 highlighted.

At the bottom of the page, there are two news sections. The first is 'CCBC NEWS' with a headline: 'PA community colleges, State System universities sign statewide 'reverse transfer' agreement'. The second is 'EVENTS' with a headline: 'Women's Softball vs. Butler County CC'. There is also a small icon of a hand holding a pencil in the bottom right corner.

# Project 3D

# Project 3E

**CCBC** Community College of Beaver County

[Inquire](#)  [Select Language](#)

[Apply To CCBC](#)

Home > Academics > Programs Offered > Technologies > Web Programming (degree) [Print](#)

## Web Programming (degree)

**Degree Offered:** Associate in Applied Science  
**Credits Required:** 60/61 (2015-2016 Academic Year)

The Web Programming curriculum provides students with theoretical and hands-on experience in software application tools, computer programming languages, systems analysis, web site design, and web software design. The program includes courses in Microsoft Office, Internet, VB.NET, ASP.NET, HTML, Java Script, JAVA, web and digital design, e-Commerce applications, and web database programming.

Graduates of this curriculum will be qualified to obtain employment locally and nationally as Visual Basic programmers, Java programmers, Web programmers, and database programmers.

### Crosswalk

Click below to view the crosswalk (transition of program courses from an old program to a current program):

- [2010 - 2011 Web Programming AAS](#)
- [2013 - 2014 Web Programming AAS](#)

### Curriculum - 1st Year

**First Semester - 15 Credits**

| Code     | Title  | Credits |
|----------|--|---------|
| CIST 100 | <a href="#">Introduction to Information Tech</a> | 3.00    |

[Women's Softball vs. Butler County CC](#)

[https://my.ccbc.edu/ICS/Apply\\_Online.jnz?portlet=Apply\\_Online\\_2.0](https://my.ccbc.edu/ICS/Apply_Online.jnz?portlet=Apply_Online_2.0)

# Project 3E

# Project 4A

Shane Kastler

Project 4A

Basic Information

First Name:  Middle Initial:  Last Name:

E-mail:

Male  
 Female

Likes and Interests

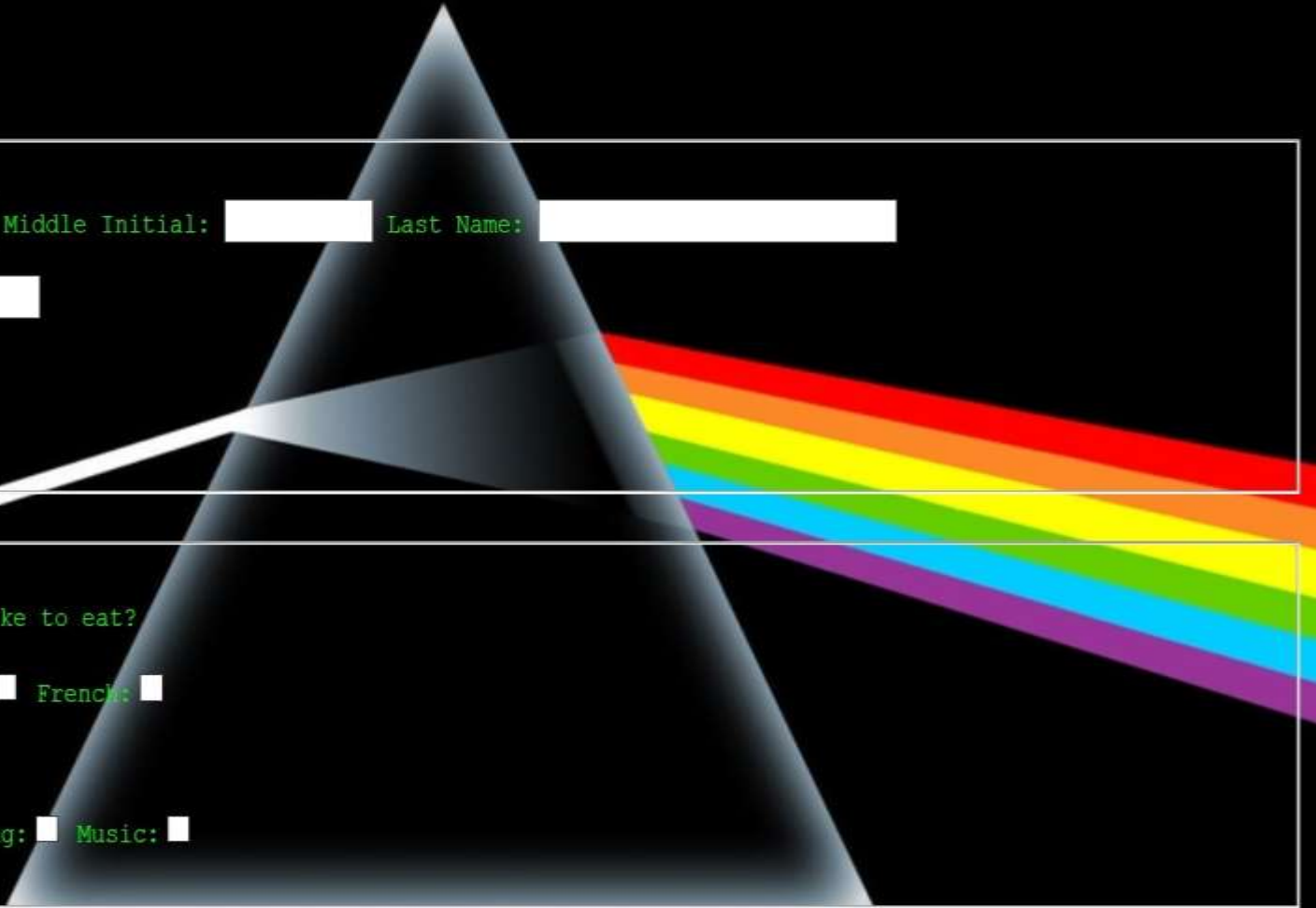
Which type(s) of food do you like to eat?

Italian:  Mexican:  German:  French:

What are you interested in?

Sports:  Travelling:  Reading:  Music:

[Home Page](#)



# Project 4A

## Project 4B

Shane Kastler

Project 4B

Academic Information

College Name: Penn State Web Programming

Academic Level:  First Semester  Second Semester  Third Semester  Fourth Semester

Submit Clear

[Home Page](#)

## Project 4B

# Project 5

**Purchasing Application Calculator**

Input Data

Enter Code:   
Enter Name:   
Enter Color:   
Enter Size:   
Enter Quantity:   
Enter Unit Price:

Output Data

Item Code:   
Total Price:   
Tax Amount:   
Item Color:   
Amount Due:

[Home Page](#)

# Project 5



# Project 6A

Sample Java Script - Interactive Apps - A Simple Calculator

Enter the First Number:

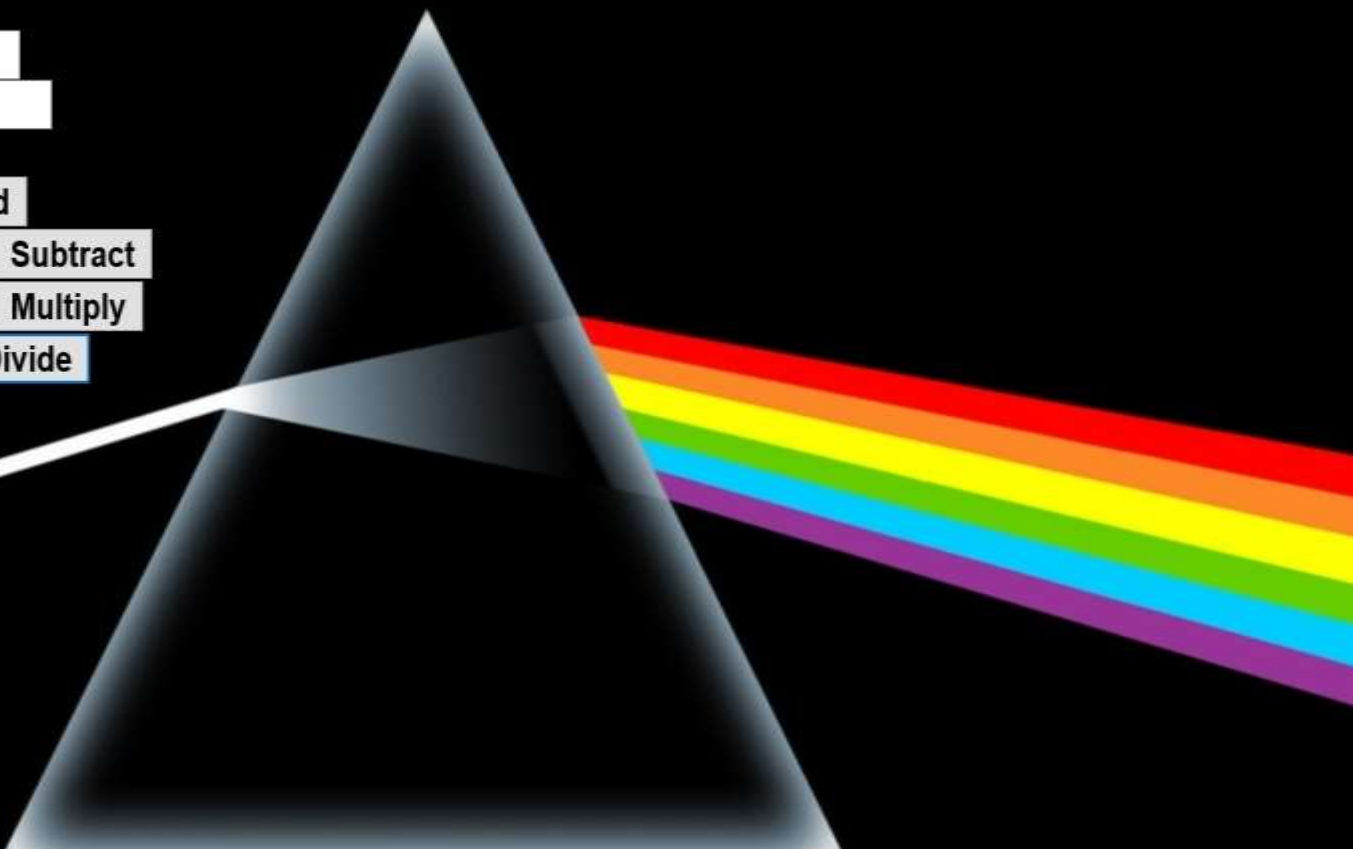
Enter the Second Number:

Add Result:

Subtract Result:

Multiply Result:

Divide Result:



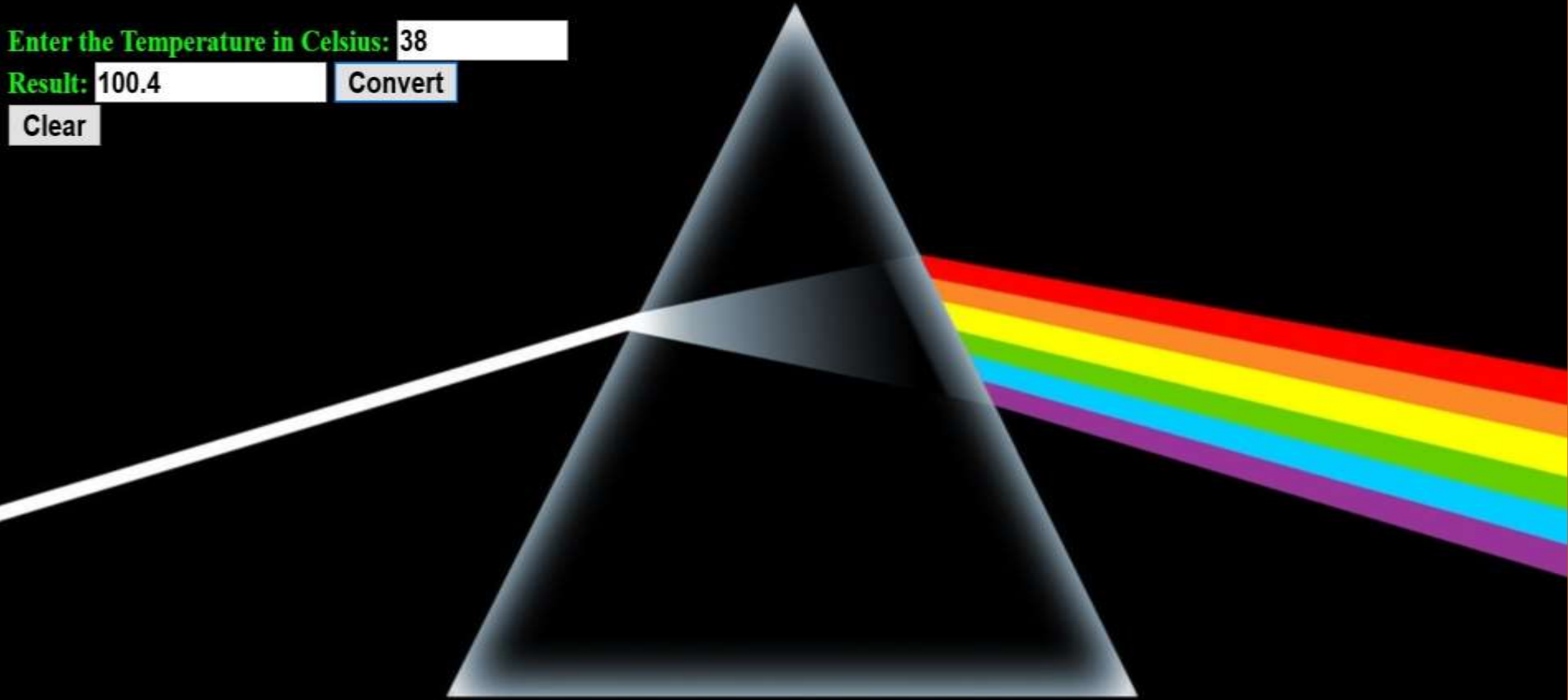
# Project 6A

## Project 6B

**Celsius to Fahrenheit Converter**

Enter the Temperature in Celsius:

Result:



The image shows a 3D rendering of a glass prism on a black background. A white light beam enters from the left, passes through the prism, and is dispersed into a spectrum of colors (red, orange, yellow, green, cyan, blue, purple) exiting to the right.

## Project 6B

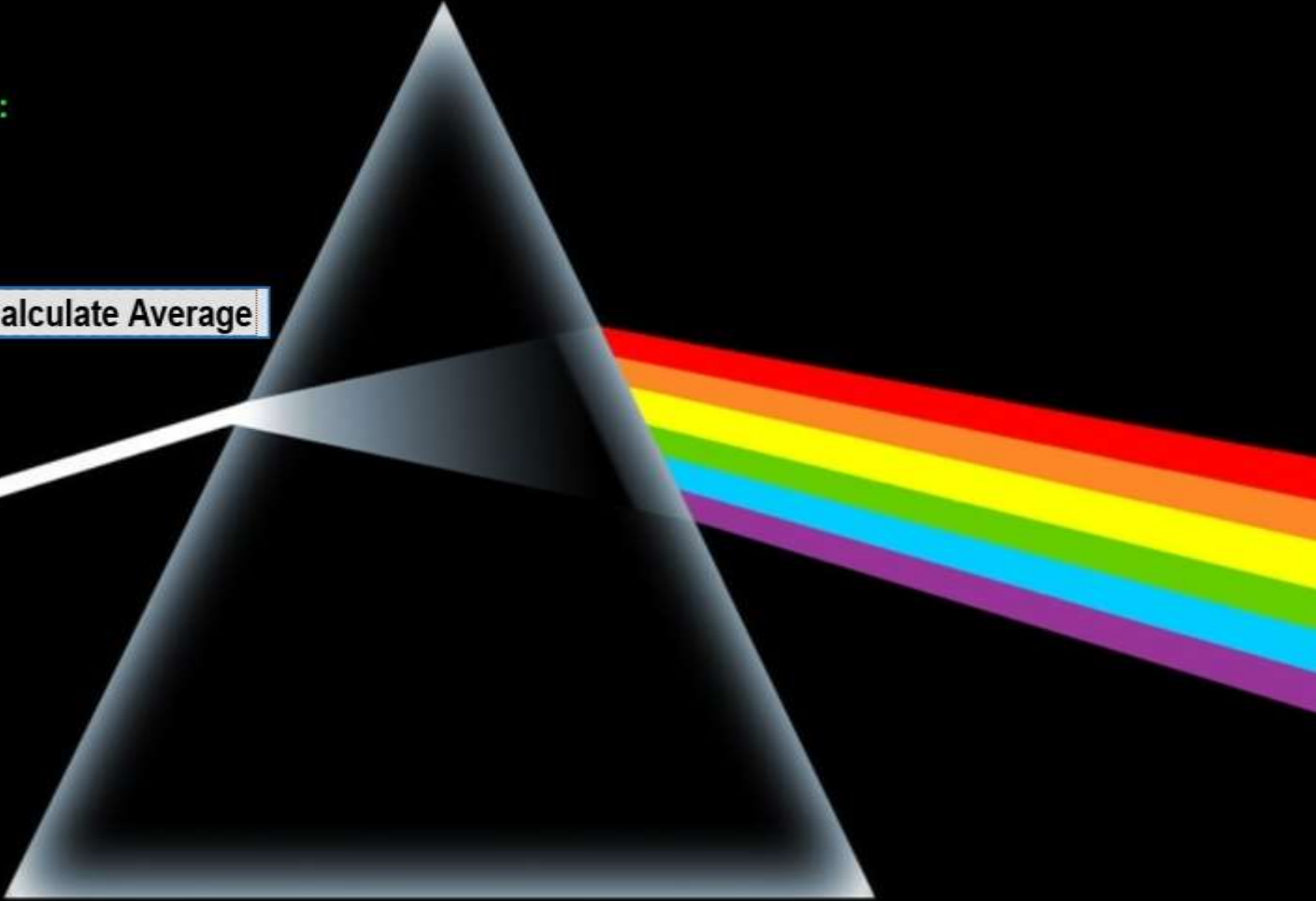
# Project 6C

**Rainfall Average**

**Enter the Rainfall for 3 Months:**

|   |
|---|
| 2 |
| 5 |
| 8 |

**Result:** 5

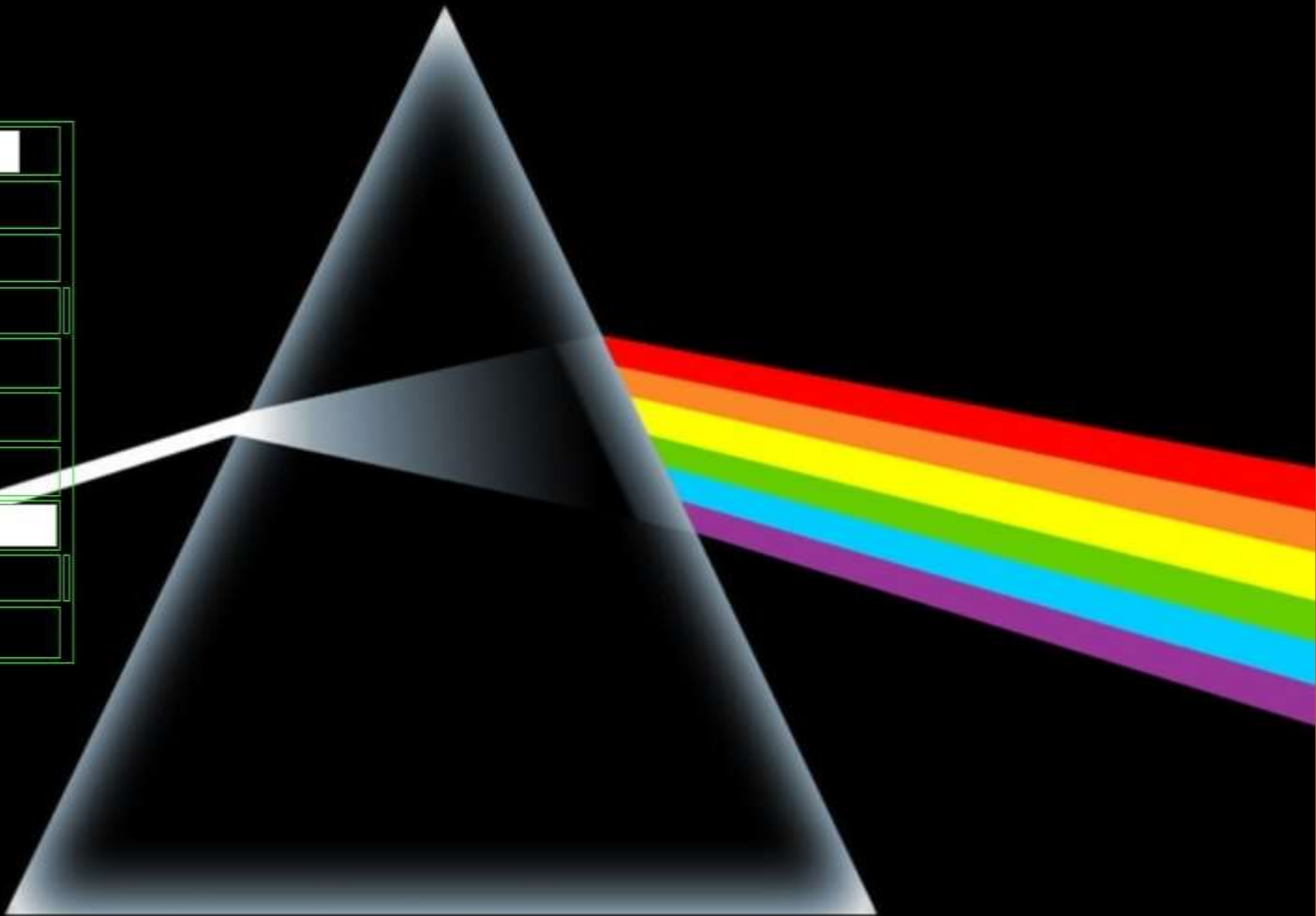


# Project 6C

# Project 7A

**Input Your Information**

|  |                                      |
|--|--------------------------------------|
| Enter Your Username:                   | <input type="text"/>                 |
| Enter your Gender:                     | <input type="text" value="M"/>       |
| Enter your Marital Status:             | <input type="text" value="S"/>       |
| <input type="text"/>                   |                                      |
| Username:                              | <input type="text"/>                 |
| Gender:                                | <input type="text"/>                 |
| Marital Status:                        | <input type="text"/>                 |
| Marital Status Definition:             | <input type="text"/>                 |
| <input type="text"/>                   |                                      |
| <input type="button" value="Process"/> | <input type="button" value="Clear"/> |



# Project 7A

## Project 7B

### Input information and grades.

|                 |                   |                        |       |
|-----------------|-------------------|------------------------|-------|
| Student Name:   | Smith, John       |                        |       |
| Student ID:     | 1230              |                        |       |
| Major:          | Web Programming   |                        |       |
| Test 1 Grade:   | 80                |                        |       |
| Test 2 Grade:   | 100               |                        |       |
| Test 3 Grade:   | 90                |                        |       |
| Name:           | Smith, John       |                        |       |
| ID #:           | 1230              |                        |       |
| Total Grade:    | 270               |                        |       |
| Average Grade:  | 90                |                        |       |
| Letter Grade:   | A                 |                        |       |
| Calculate Total | Calculate Average | Calculate Letter Grade | Clear |

## Project 7B



# Project 8A

## Input Favorites and Interests

**Favorite Foods**

- Italian
- French
- Japanese
- German
- Other

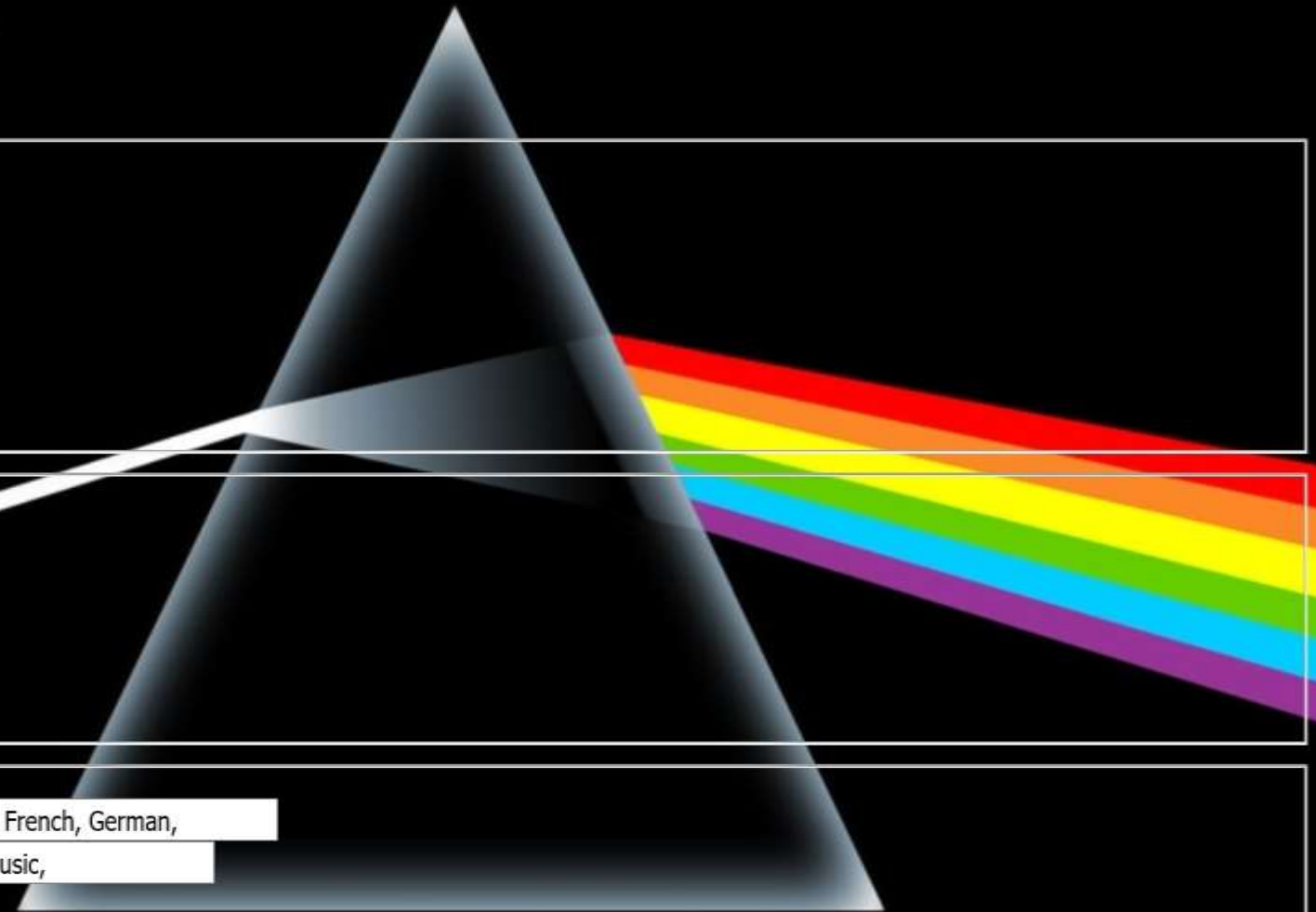
**Interests**

- Sports
- Video Games
- Art/Music
- Other

**Output Area**

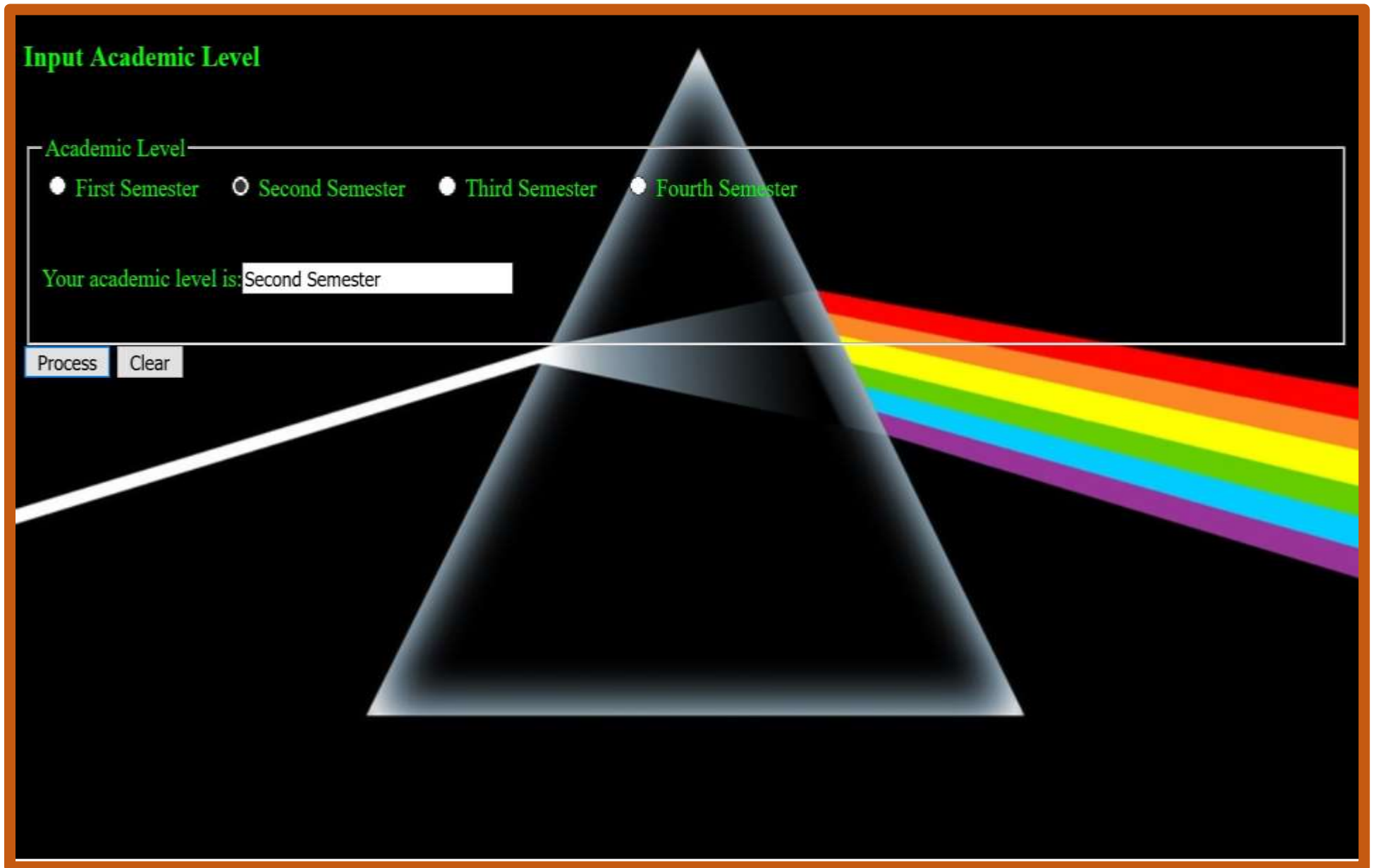
Your favorite food(s) is(are): Italian, French, German,

Your interest(s) is(are): Sports, Art/Music,



# Project 8A

# Project 8B



# Project 8B

# Project 8C1

## Computer Quiz

### Question 1

What does RAM stand for?

- A.) Random-Access Memory
- B.) Real Allocated Memory
- C.) Read-Always Memory
- D.) Red Alligator Mouth

### Question 2

The Linotte programming language was created with syntax from which language?

- A.) English
- B.) French
- C.) Spanish
- D.) Portuguese

### Question 3

What does SSD stand for?

- A.) Super Script Daemon
- B.) Solid-State Drive
- C.) Script Speed Detection
- D.) Solid State Detroit

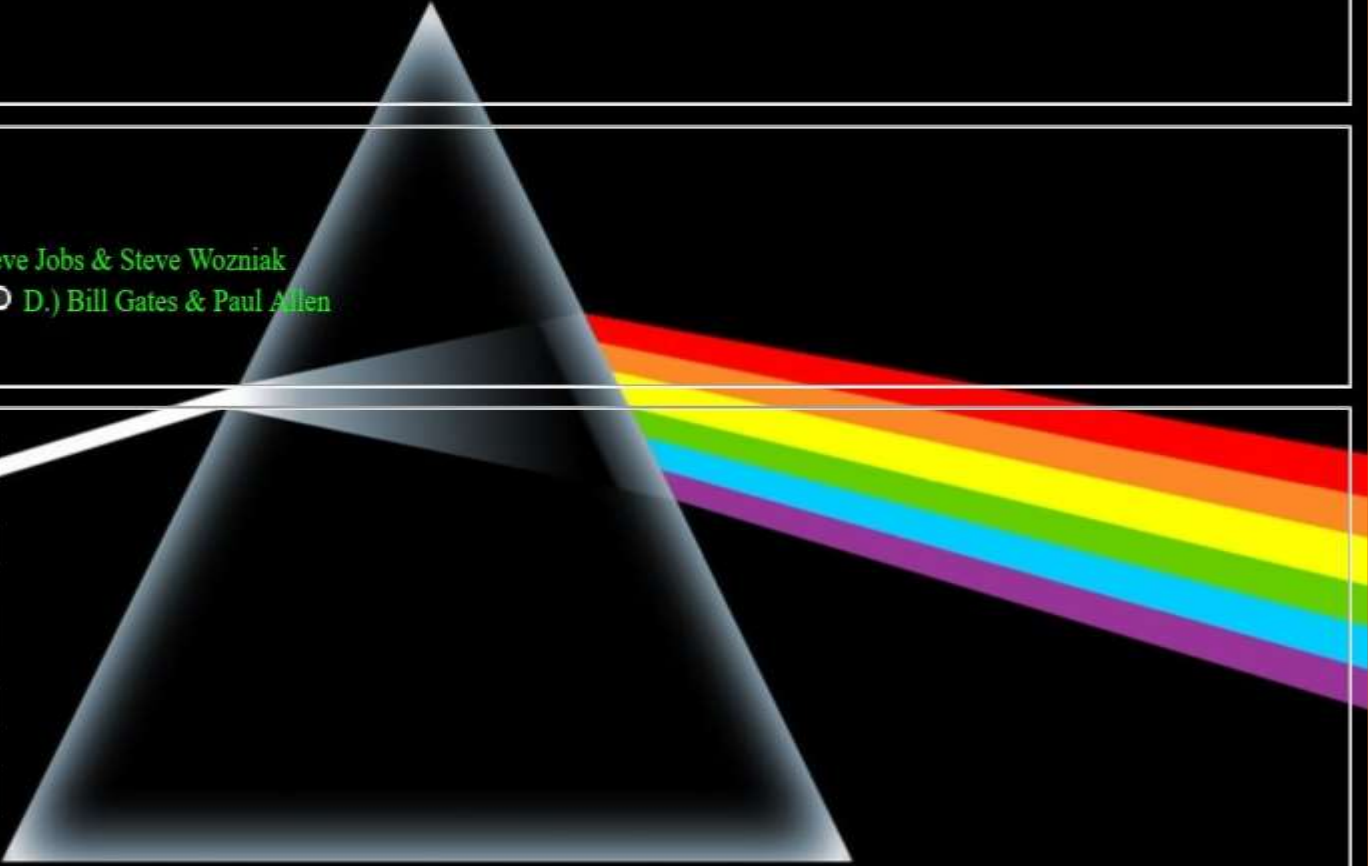
### Question 4

When was Apple Inc. founded?

- A.) 1976
- B.) 1969
- C.) 1980
- D.) 1776

# Project 8C1

# Project 8C2



When was Apple Inc. founded?

A.) 1976     B.) 1969  
 C.) 1980     D.) 1776

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Question 5

Who founded Microsoft?

A.) Bill Gates & Steve Jobs     B.) Steve Jobs & Steve Wozniak  
 C.) Ronald Wayne & Steve Wozniak     D.) Bill Gates & Paul Allen

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Answer Area

Answer 1 is:  Correct answer is:

Answer 2 is:  Correct answer is:

Answer 3 is:  Correct answer is:

Answer 4 is:  Correct answer is:

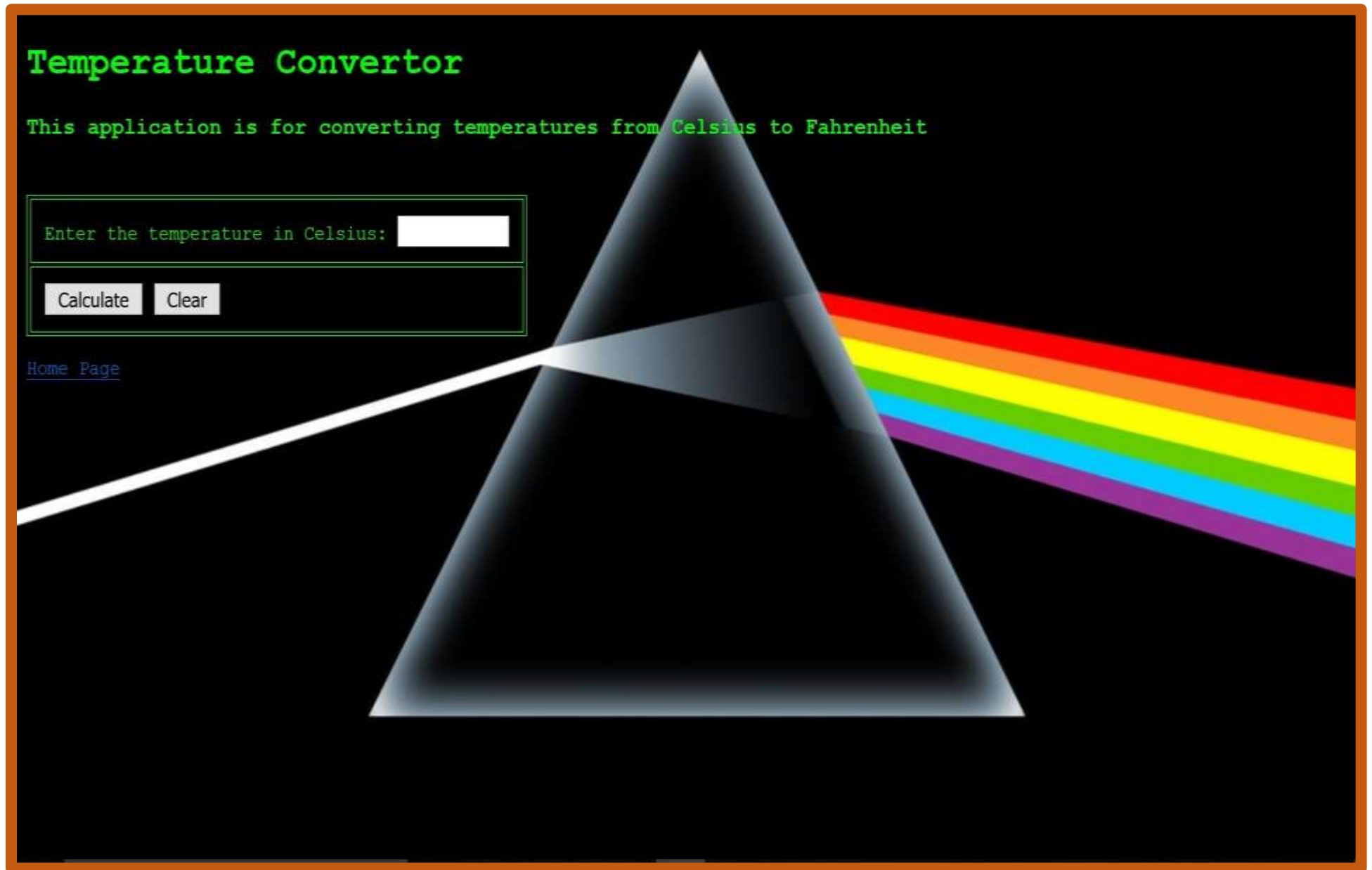
Answer 5 is:  Correct answer is:

Your Grade is:

Your Letter Grade is:

# Project 8C2

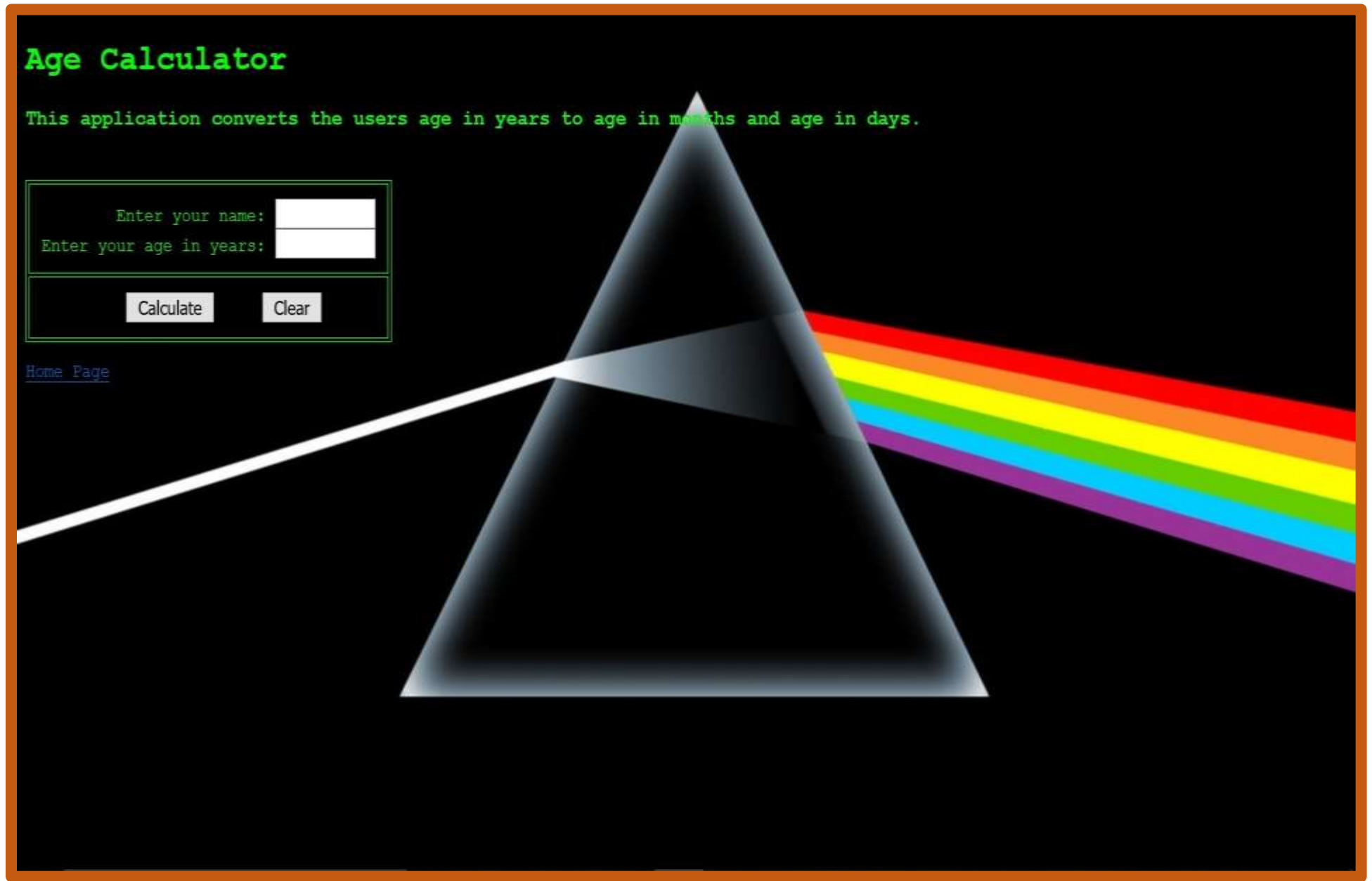
## Project 9A (PHP Client App)



## Project 9A (PHP Client App)

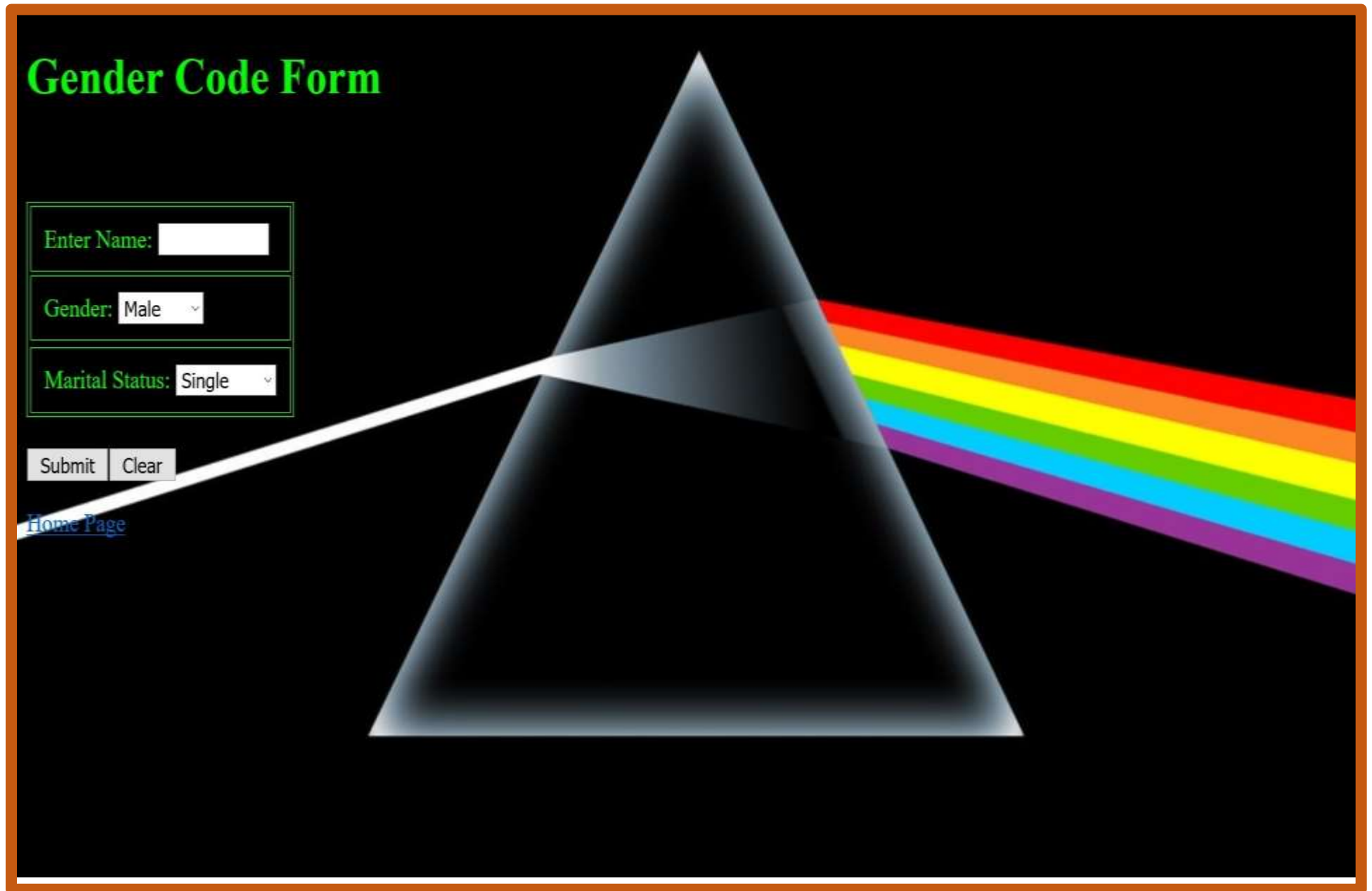


## Project 9B (PHP Client App)



## Project 9B (PHP Client App)

## Project 10A (PHP Client App)

The image shows a web browser window with a black background. In the top left corner, the text "Gender Code Form" is displayed in a bright green, bold font. Below this, there is a form with three input fields, each enclosed in a green border. The first field is labeled "Enter Name:" and contains a white text box. The second field is labeled "Gender:" and has a dropdown menu with "Male" selected. The third field is labeled "Marital Status:" and has a dropdown menu with "Single" selected. Below these fields are two buttons: "Submit" and "Clear". In the bottom left corner, there is a blue link labeled "Home Page". The background features a large, 3D-style black pyramid with a white beam of light entering from the left and a multi-colored rainbow beam exiting from the right. The entire content is framed by a thick orange border.

**Gender Code Form**

Enter Name:

Gender:

Marital Status:

[Home Page](#)

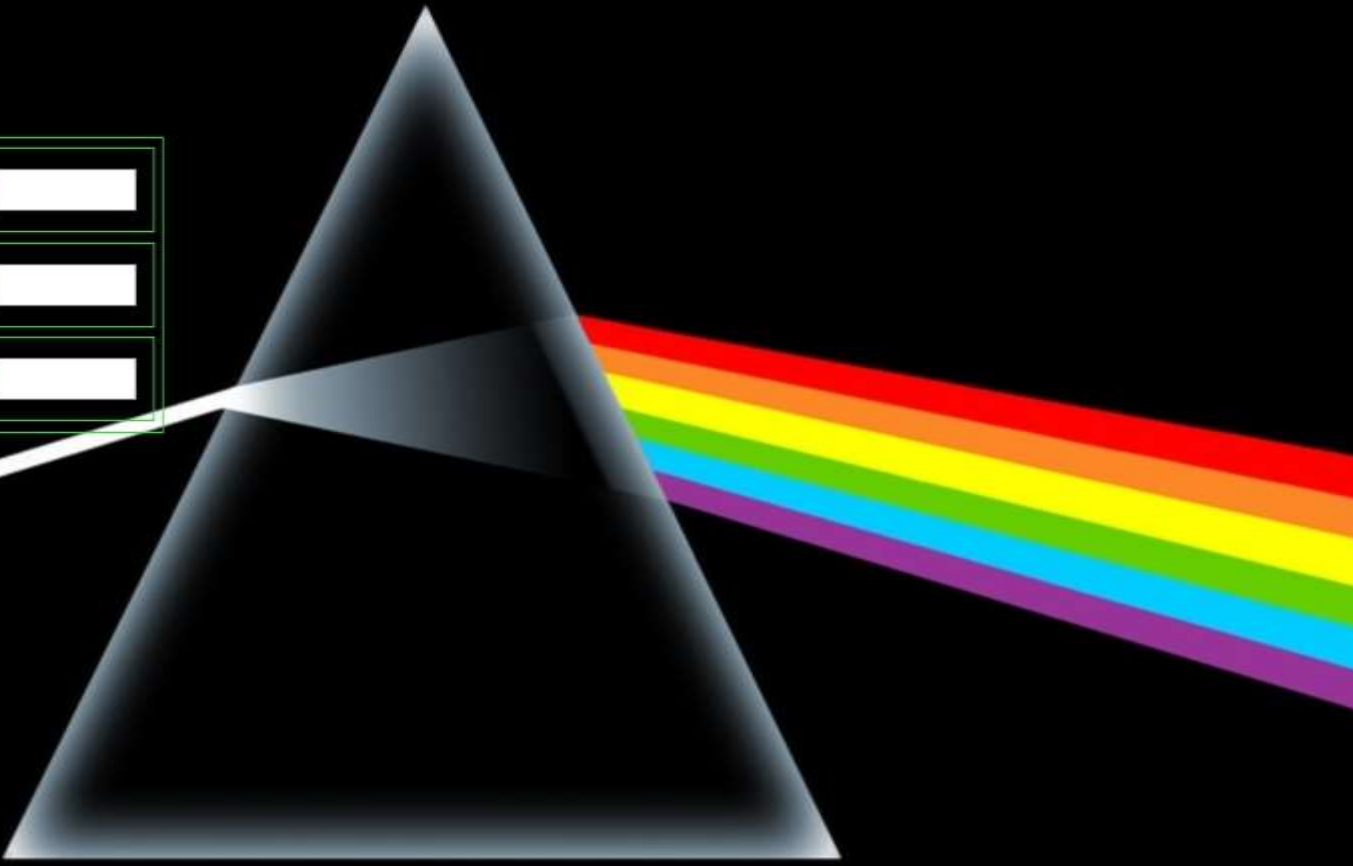
## Project 10A (PHP Client App)

## Project 10B (PHP Client App)

### Student Grades Form

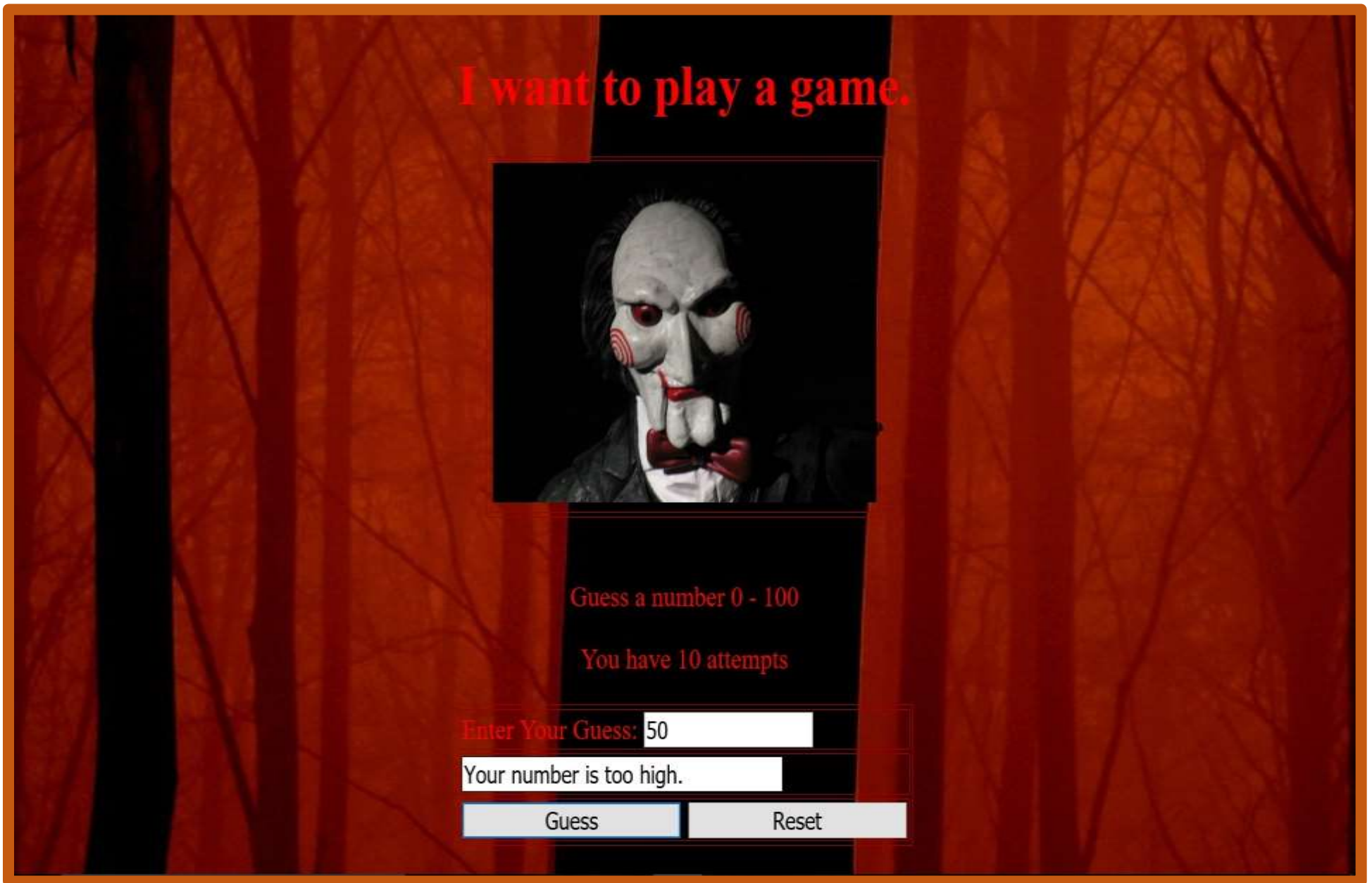
|                                       |                               |
|---------------------------------------|-------------------------------|
| Enter Name: <input type="text"/>      | Grade 1: <input type="text"/> |
| Enter ID Number: <input type="text"/> | Grade 2: <input type="text"/> |
| Enter Major: <input type="text"/>     | Grade 3: <input type="text"/> |

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## Project 10B (PHP Client App)

## Final Project



## Final Project