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I confirm that I understand my coursework needs to be submitted online via Google Classroom under the relevant module page before the deadline in order for my assignment to be accepted and marked. I am fully aware that late submissions will be treated as non-submission and a marks of zero will be awarded.

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Introduction

HTML is a markup language used by the browser to manipulate text, images, and other content, in order to display it in the required format. HTML was created by Tim Berners-Lee in 1991.

HTML stands for Hypertext Markup Language. It is used to design web pages using a markup language. HTML is the combination of Hypertext and Markup language. Hypertext defines the link between the web pages. A markup language is used to define the text document within tag which defines the structure of web pages. (geeksforgeeks, n.d.)

Cascading Style Sheets, fondly referred to as CSS, is a simply designed language intended to simplify the process of making web pages presentable. CSS allows you to apply styles to web pages. More importantly, CSS enables you to do this independent of the HTML that makes up each web page. (geeksforgeeks, n.d.)

The browser is responsible for running JavaScript code. When a user requests an HTML page with JavaScript in it, the script is sent to the browser and it is up to the browser to execute it. The main advantage of JavaScript is that all modern web browsers support JavaScript. (guru99, n.d.)

In this project we have created a portfolio website consisting of 5 webpages. This website was created using HTML, CSS, and JavaScript. The main goals of this project are:

- Competency in designing a website with appropriate tools and technologies,
- Capabilities of applying scripting languages to web pages,
- Understanding the structure of the website and simple navigation principles.
- Awareness of website design consideration: e.g., usability and accessibility.

Discussion and Analysis

For doing this project, I have chosen Visual Studio codes for editing my text. It comes with built-in support for JavaScript, TypeScript and Node.js and has a rich ecosystem of extensions for other languages (such as C++, C#, Java, Python, PHP, Go) and runtimes (such as .NET and Unity). Some uses of this text editor are: (visual Studio, n.d.)

- Browse database

One typically manages such a database with a desktop app or a web portal, but a slew of add-ons for Visual Studio Code let you query databases directly from within the app. For instance, vscode-database provides quick connections and queries to MySQL and PostgreSQL, while vscode-sqlite allows you to work with the ever-versatile SQLite. (infoworld, n.d.)

- Develop and test APIs

APIs allow software components to work together no matter where they live or what they're built with. A number of add-ons for Visual Studio Code allow you to test APIs right in the editor, or work with API definition formats. tropicRPC lets you automatically test gRPC APIs, with the config for the test saved in a VS Code project.

- Track your Productivity

Time management matters more than ever, now that more of us than ever work on our own. If you use the Wakatime development-metrics tracking system, there's a VS Code add-on to manage Wakatime statistics directly from within the editor. And the Code Time add-on lets you track and manage productivity on your own, via an open-source project.

Tools used While Developing Wire Frames are:

- ✓ **Combo box**

A combo box is a combination of a dropdown menu and text input (confined to a set list of values).

- ✓ **Text area**

Text input fields are used when requesting free-form input from a user, such as a username, phone number, password, or comment.

- ✓ **Button**

A button is a control used to execute an action, sending an email for example

- ✓ **Tab bar**

Tabs can be a smart way to break up content into sections, but their use is a double-edged sword. On the one hand, it focuses attention on a subset of content to make the page easier to take in.

Name of Web pages

1. Index.html

Screenshot of Wireframe:

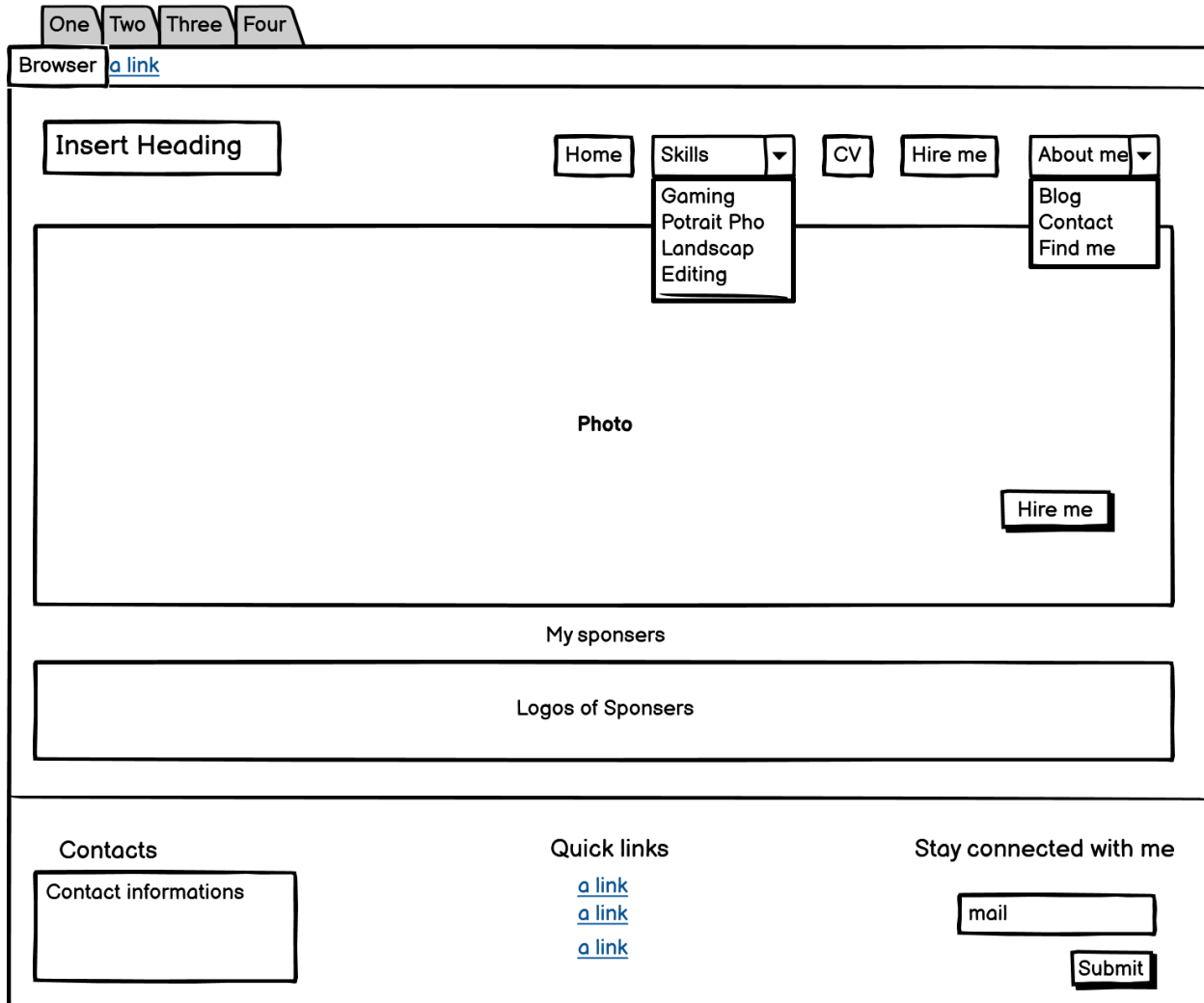


Figure 1: wireframe of Index.html

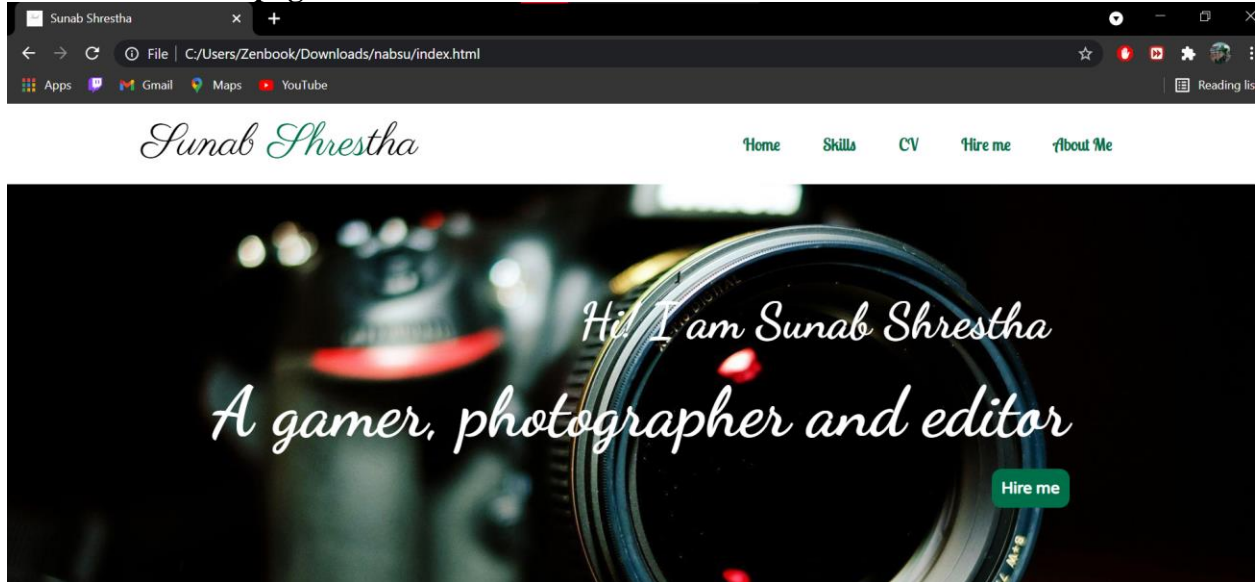
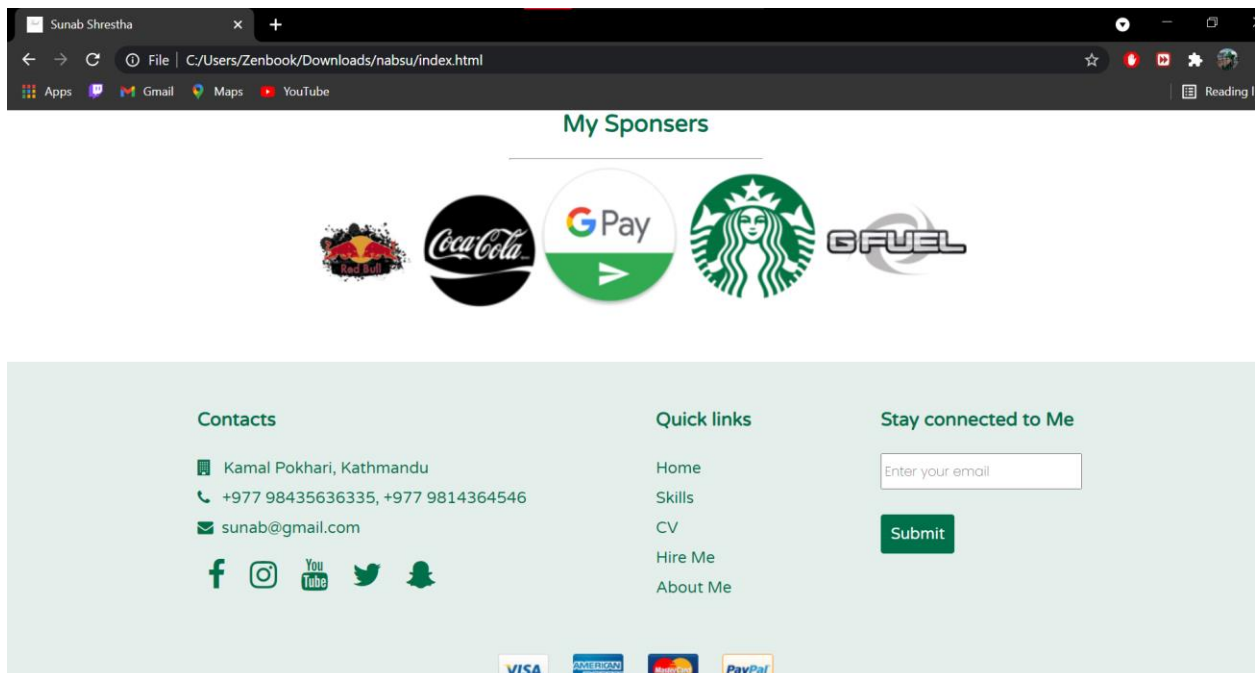
Screenshot of webpage:

Figure 2: Screenshot of Index.html



2. Category.html

Screenshot of Wireframe:

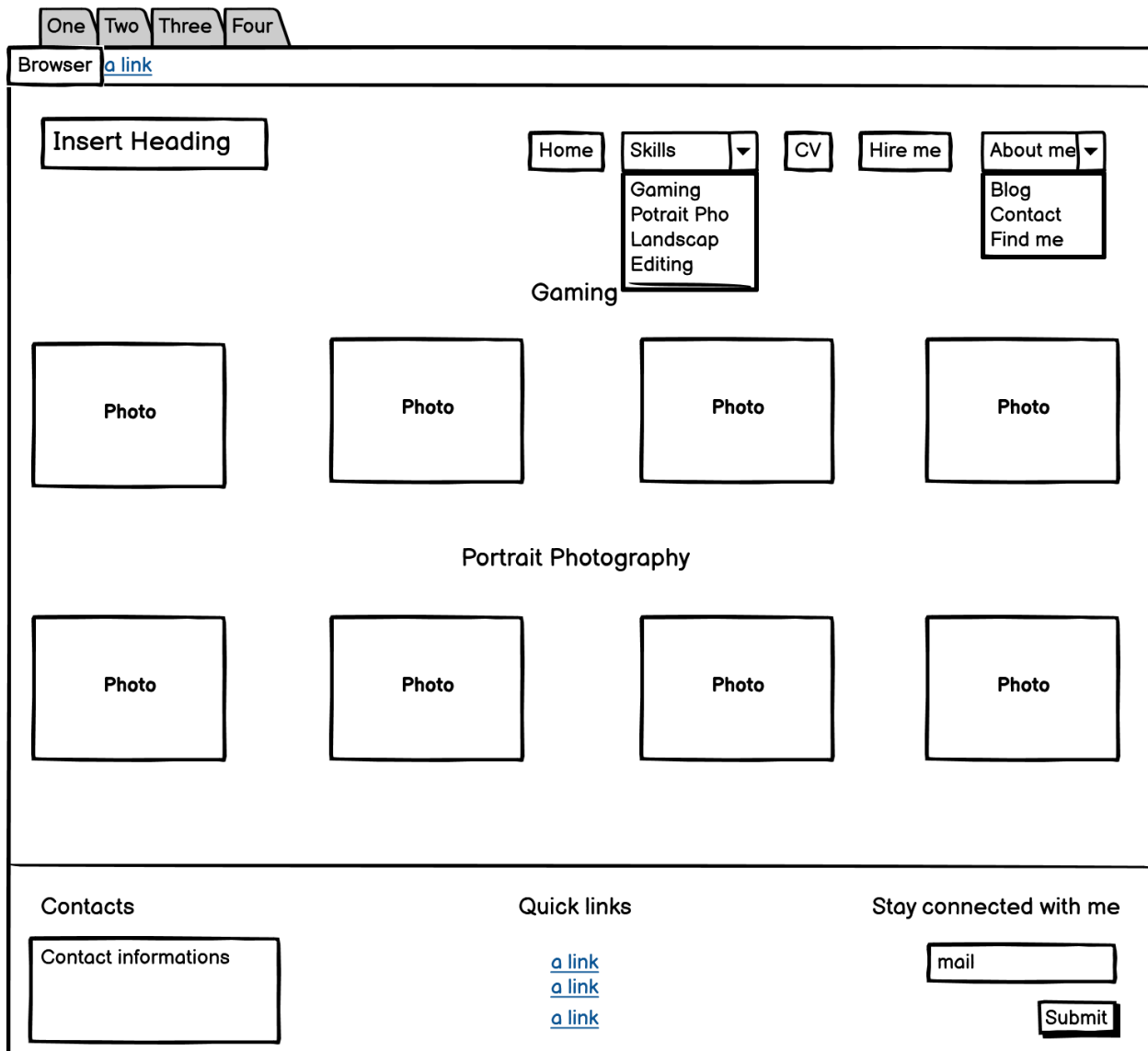


Figure 3: Wireframe of Category.html

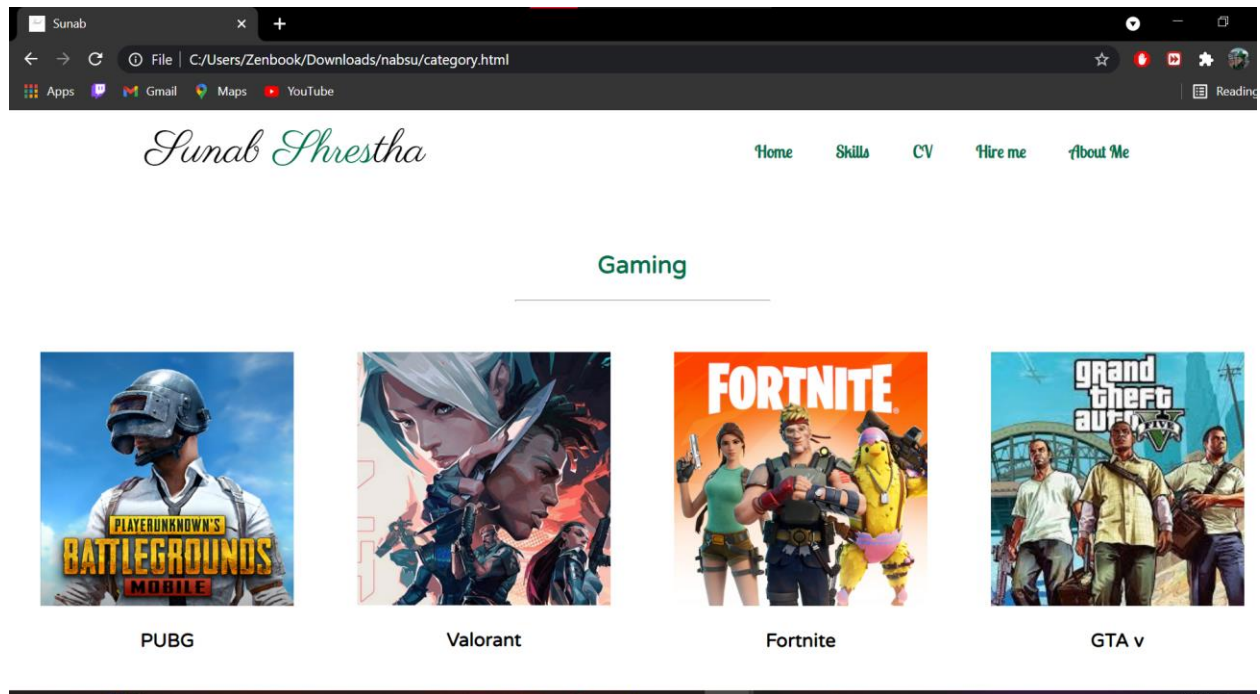
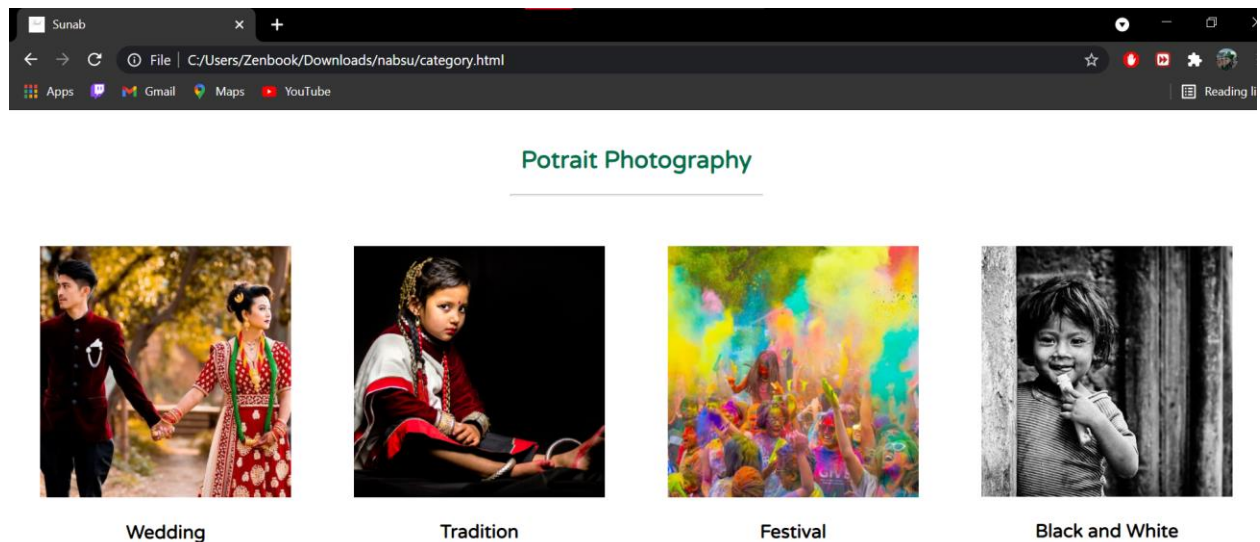
Screenshot of webpage:

Figure 4: Screenshot of category.html





Landscape Photography



Forest



Mountain



Lake

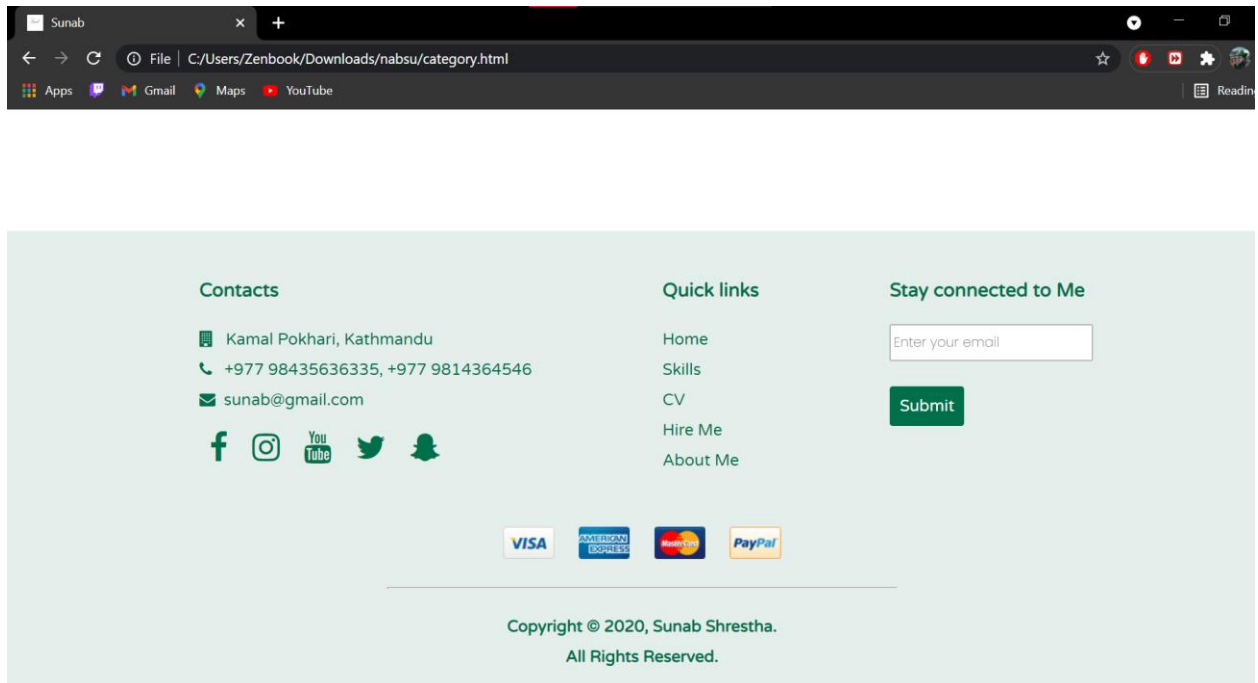


Hills



Editing





3. Events.html

Screenshot of Wireframe:

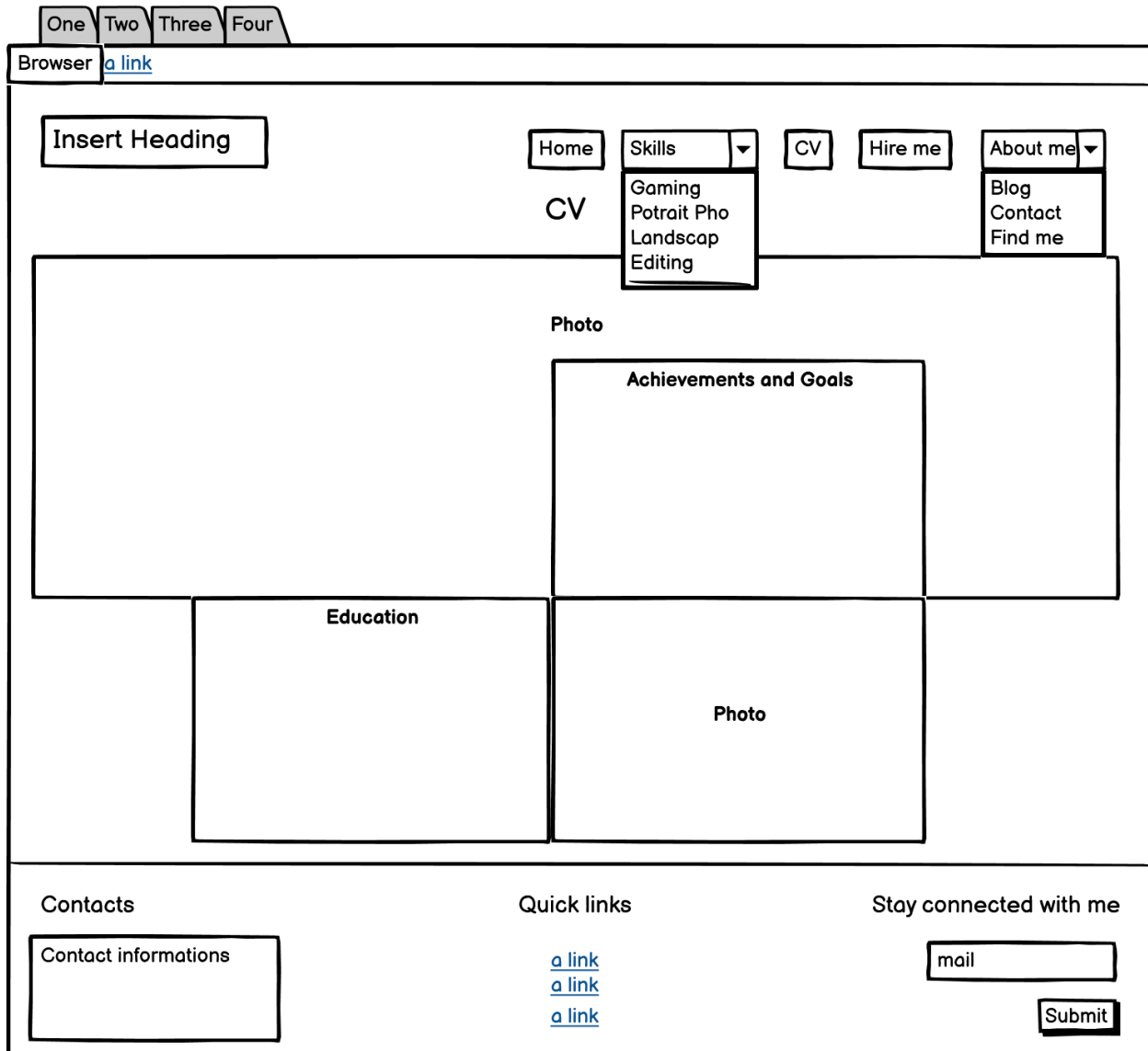
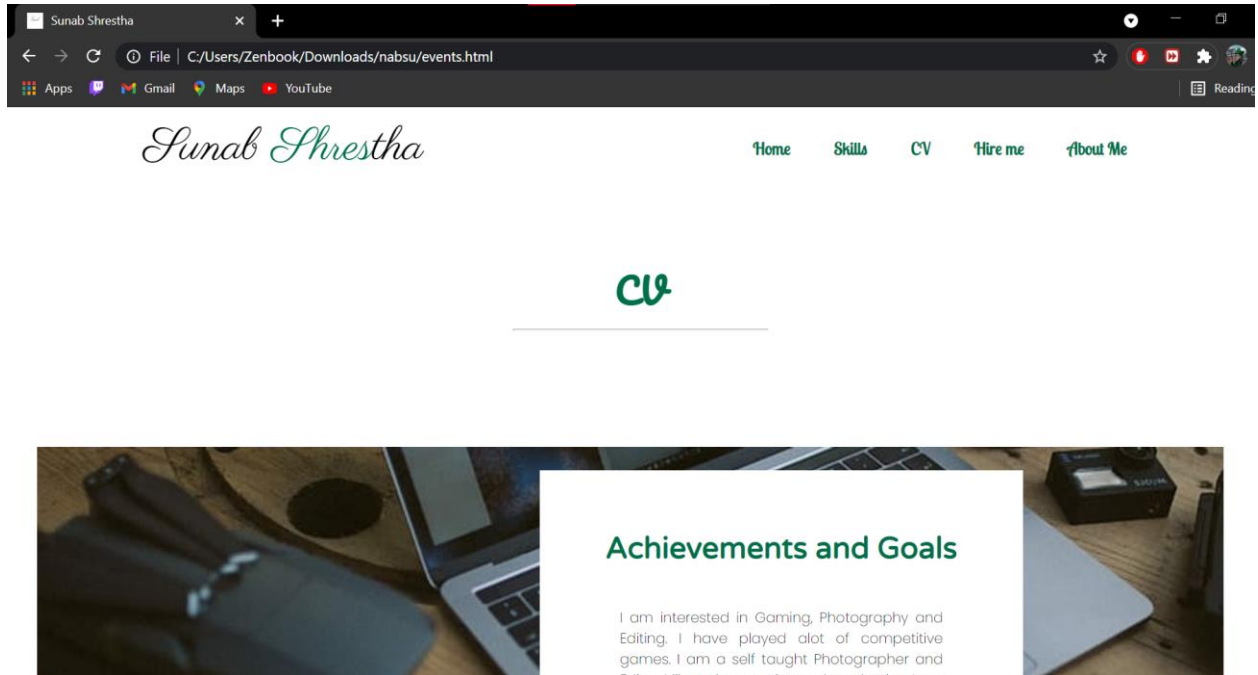
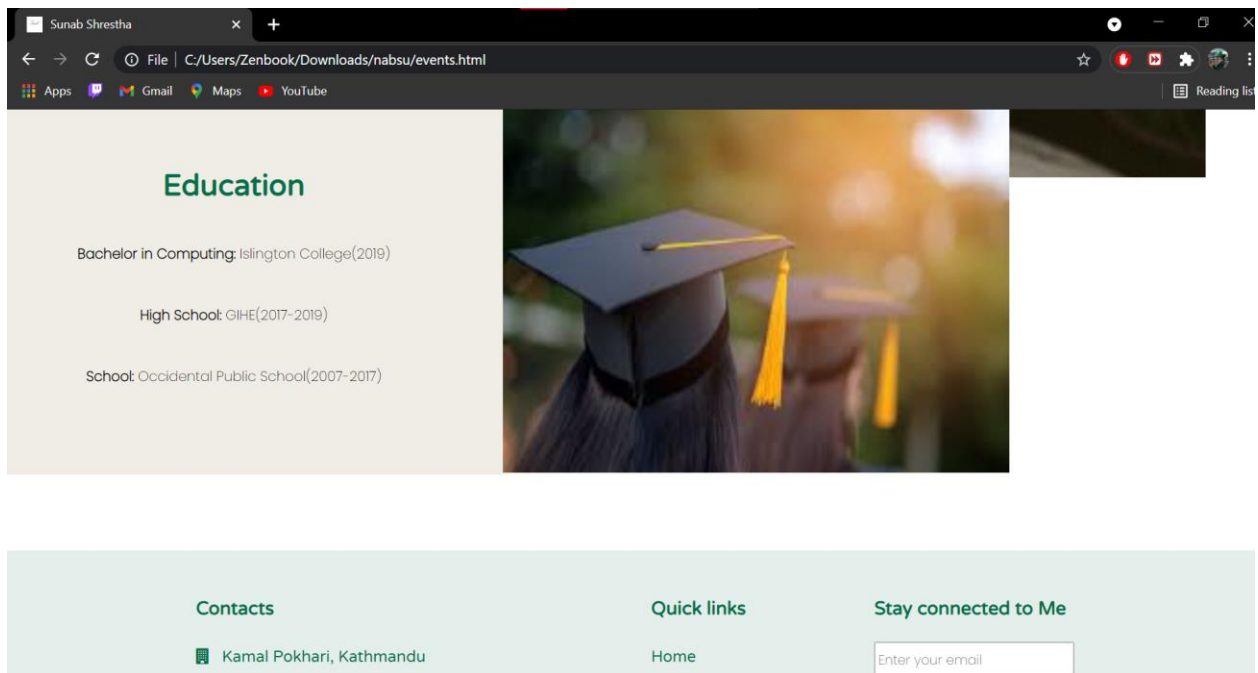


Figure 5: Wireframe of Events.html

Screenshot of Webpage:*Figure 6: Screenshot of events.html*

4. Hire me.html

Screenshot of wireframe:

One Two Three Four

Browser [a link](#)

Insert Heading

Home

Skills ▼

Gaming
Potrait Pho
Landscap
Editing

CV

Hire me

About me ▼

Blog
Contact
Find me

Hire Me

Photo

Work with Me

Name

Email

Phone number

Write a Message

Upload your Contract

Submit

Contacts

Contact informations

Quick links

[a link](#)
[a link](#)
[a link](#)

Stay connected with me

mail

Submit

Figure 7: Wireframe of Hireme.html

19031737 Sunab Shrestha

13

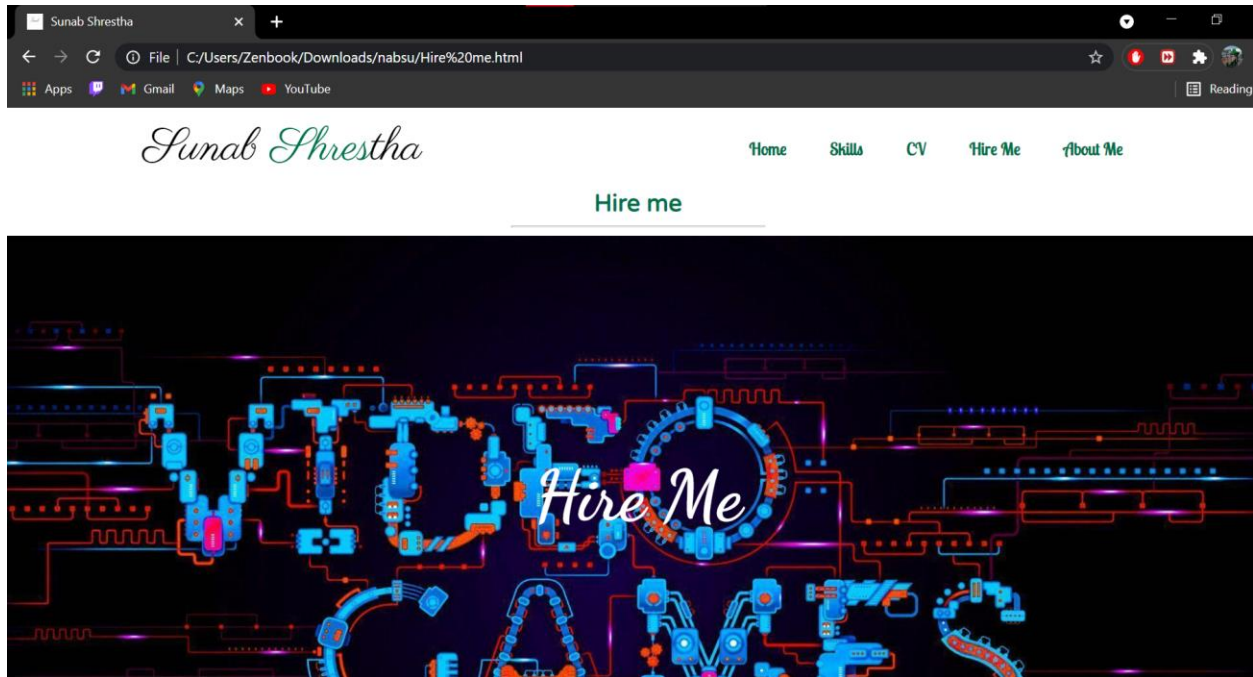
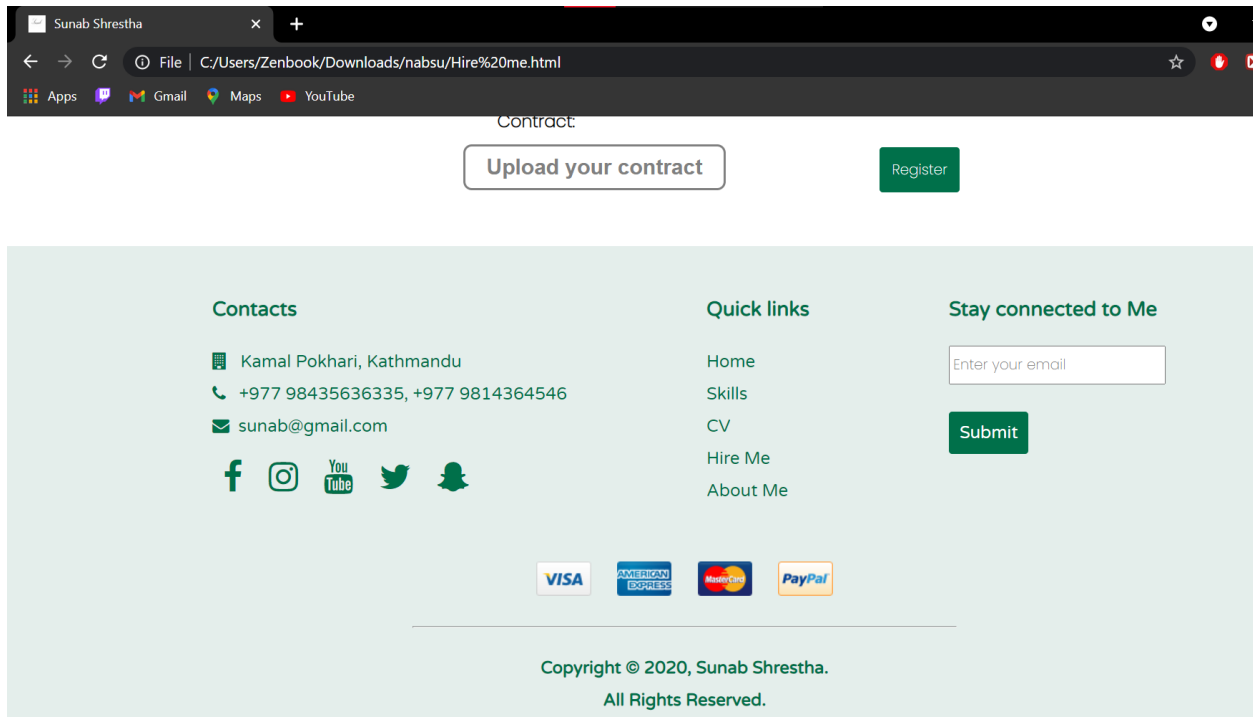
Screenshot of webpage:

Figure 8: Screenshot of Hireme.html

A screenshot of a web browser displaying a contact form on the 'Work With Me' page of Sunab Shrestha's portfolio. The browser's address bar shows the file path: C:/Users/Zenbook/Downloads/nabsu/Hire%20me.html. The page features a navigation menu with links for Home, Skills, CV, Hire Me, and About Me. The 'Work With Me' link is highlighted. Below the navigation bar, the text 'Work With Me' is displayed in a green, cursive font. The main content area is a white background with a large, glowing blue 'WORK WITH ME' graphic. Below the graphic, there is a contact form with four input fields: Name, Email, Phone Number, and Message. The 'Message' field is a larger text area.



5. Aboutme.html

Screenshot of wireframe:

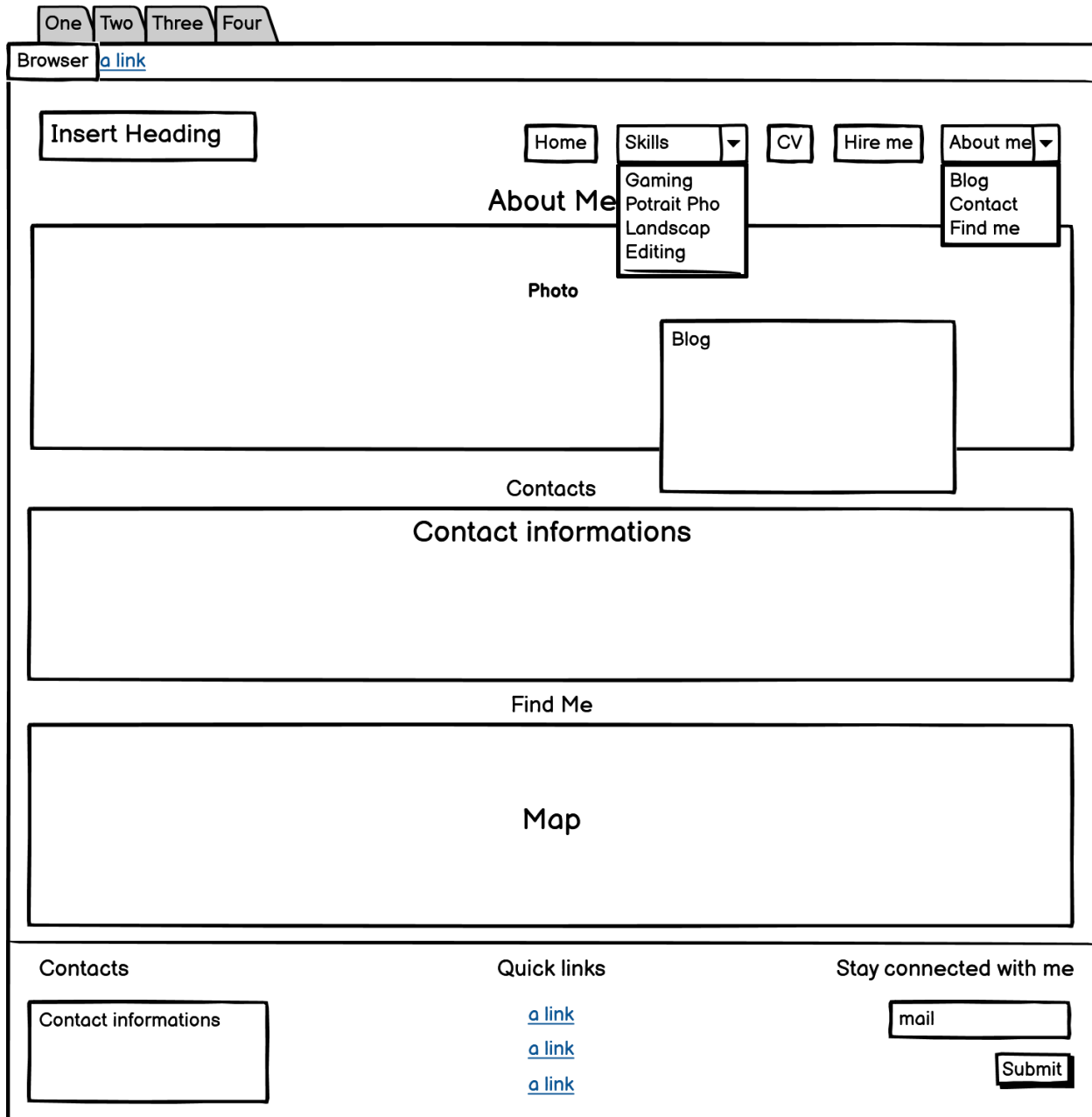


Figure 9: Wireframe of Aboutme.html

Screenshot of webpage:

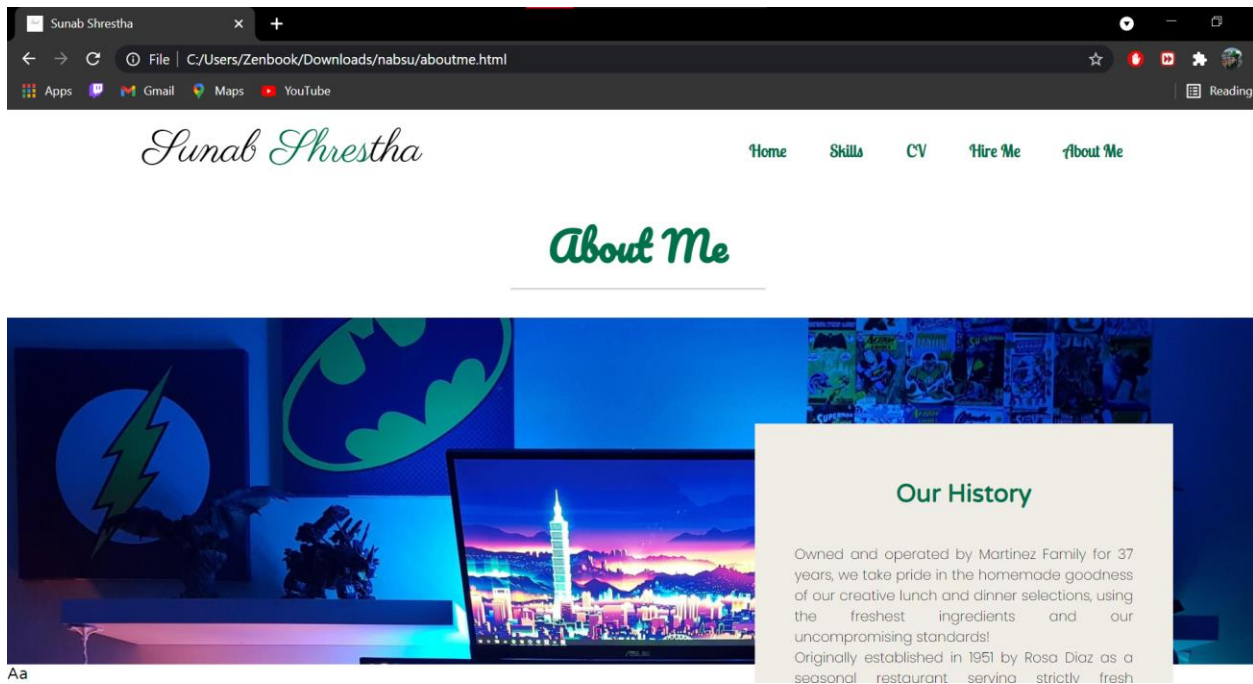
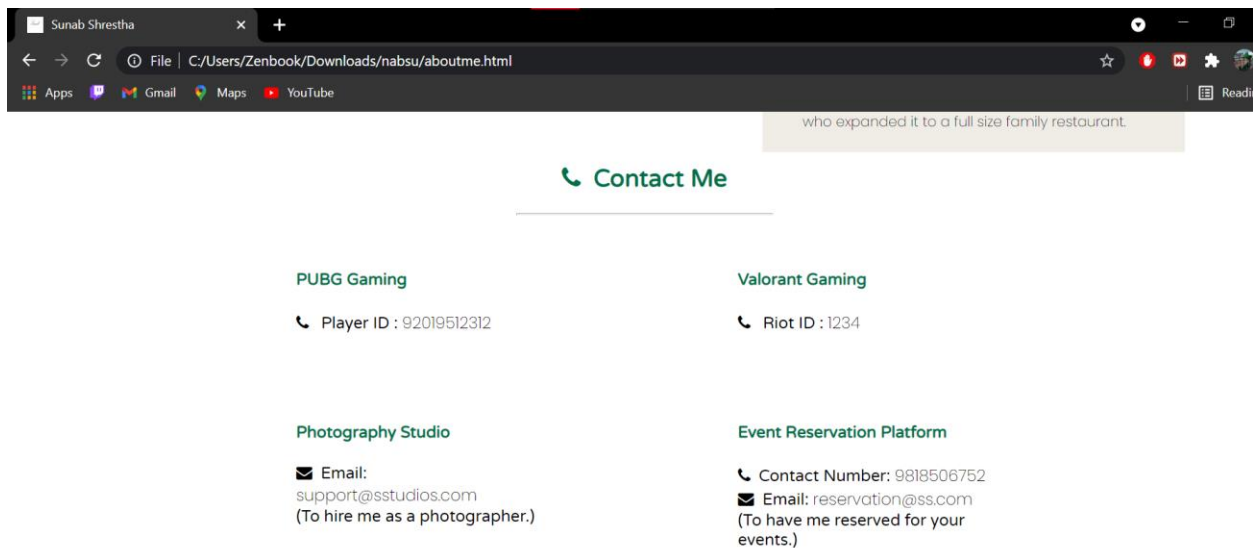
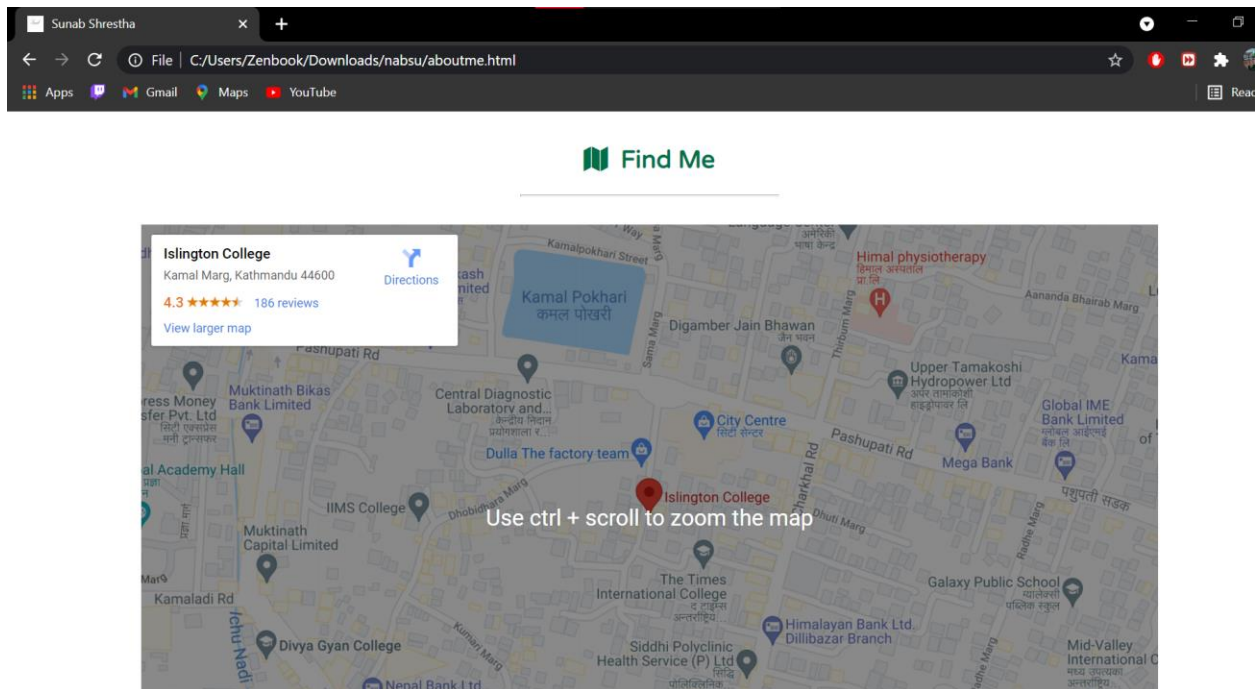


Figure 10: Screenshot of aboutme.html





Codes used in HTML for developing the program and description:

<html>: To open an html document

<head>: To write metadata. It defines the meta information.

<title>: To name the html webpage.

<body>: It consists of all the contents of a web page

: To link different web pages.

: It defines list item

<div>: Defines a section in a document.

<button>: Defines a clickable button

<col> : Specifies column properties for each column within a <colgroup> element

 : Defines font, color, and size for text

<link>: Defines the relationship between a document and an external resource (most used to link to style sheets)

<map>: Defines an image map

<p>: Defines a paragraph

<style>: Defines style information for a document

: Defines a list item

: Defines an image

<h1> to <h6> : Defines HTML heading

<header>: Defines a header for a document or section

: Inserts a single line break

<button>: Defines a clickable button

<section>: Defines a section in a document

<footer>: Defines a footer for a document or section

<form>: Defines an HTML form for user input

<hr>: Defines a thematic change in the content

<label>: Defines a label for an <input> element

<source>: Defines multiple media resources for media elements (<video> and <audio>)

<small>: Defines smaller text

<select>: Defines a drop-down list

: Defines an unordered list

<iframe>: Defines an inline frame

<i>: Defines a part of text in an alternate voice or mood

: Defines bold text

<!DOCTYPE>: Defines the document type

Codes of CSS

The CSS color property defines the text color to be used.

The CSS font-family property defines the font to be used.

The CSS font-size property defines the text size to be used.

The CSS border property defines a border around an HTML element.

The CSS padding property defines a padding (space) between the text and the border.

The CSS margin property defines a margin (space) outside the border.

External style sheets can be referenced with a full URL or with a path relative to the current web page.

The CSS display property defines the display behaviour.

Background image defines the background image of the webpage

Height and width define the measurements of the content.

Position defines the position of the elements in the page.

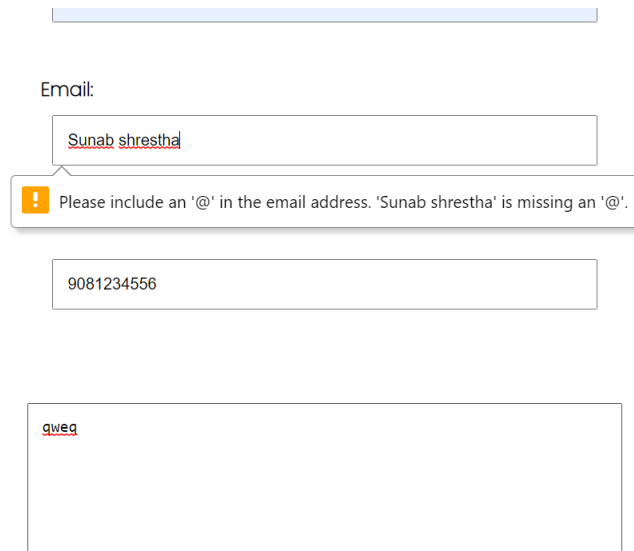
Opacity defines the opacity of the elements.

Testing

Test 1:

| | |
|-----------------|--|
| Objective | To check users given email address format. |
| Action | '@' missing |
| Expected result | A dialog box appears asking to include '@'. |
| Actual result | A dialog box appeared asking to include '@'. |
| test | The test is successful. |

Table 1: Test 1



The screenshot shows a registration form with the following elements:

- A blue header bar.
- An "Email:" label above a text input field containing "Sunab shrestha".
- A red squiggly underline under the text "shrestha".
- A yellow warning icon (exclamation mark in a triangle) next to a message box that reads: "Please include an '@' in the email address. 'Sunab shrestha' is missing an '@'."
- A text input field for a phone number containing "9081234556".
- A large text input field at the bottom containing "qweq".

Figure 11: Screenshot for test 1

Test 2:

| | |
|-----------------|--|
| Objective | To check whether the phone number is 10 digit or not. |
| Action | Only 5 digits were entered |
| Expected result | A red message appears indicating that the number must be 10 digits. |
| Actual result | A red message appeared indicating that the number must be 10 digits. |
| test | The test is successful. |

Table 2: Test 2

sunab shrestha

Sunabshrestha@gmail.com

90812

Phone Number must be 10 digits

1231231314

*Figure 12: Screenshot for test 2***Test 3:**

| | |
|-----------------|---|
| Objective | To check whether the Social media link links to my accounts. |
| Action | Clicking the facebook, youtube, twitter, snapchat, Instagram icons. |
| Expected result | The icons should redirect to my accounts. |
| Actual result | The icons redirected to my accounts. |
| test | The test is successful. |

Table 3: Test 3

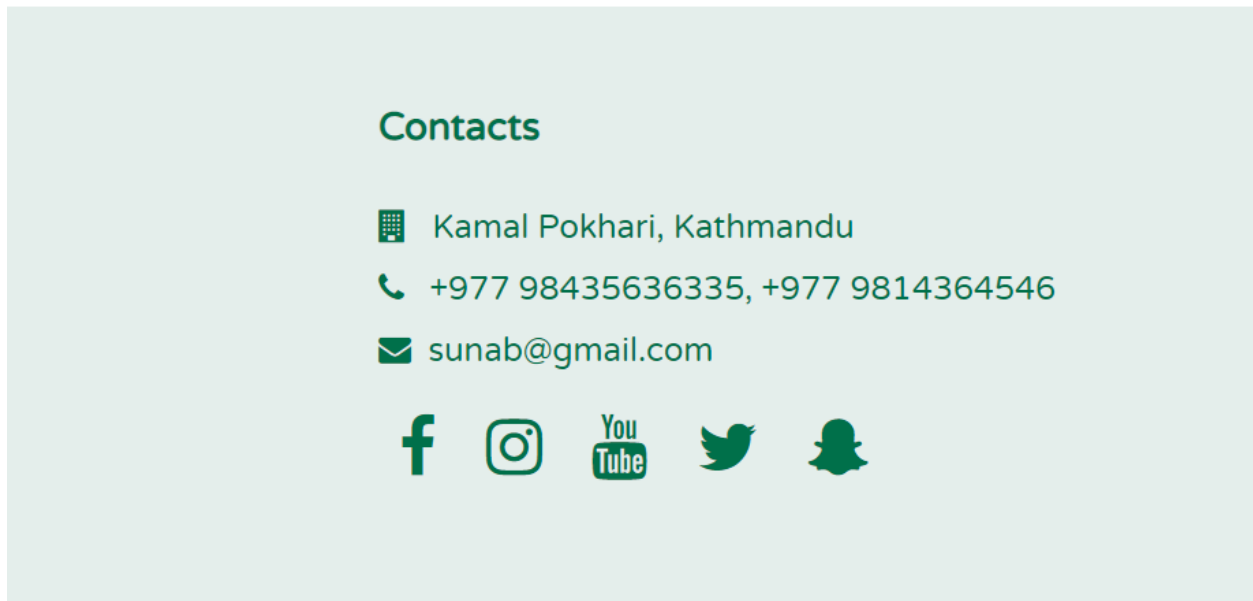
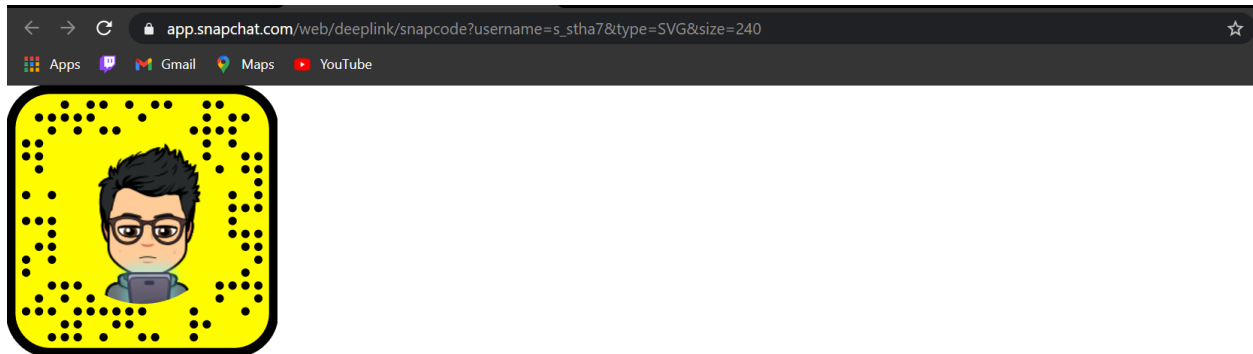
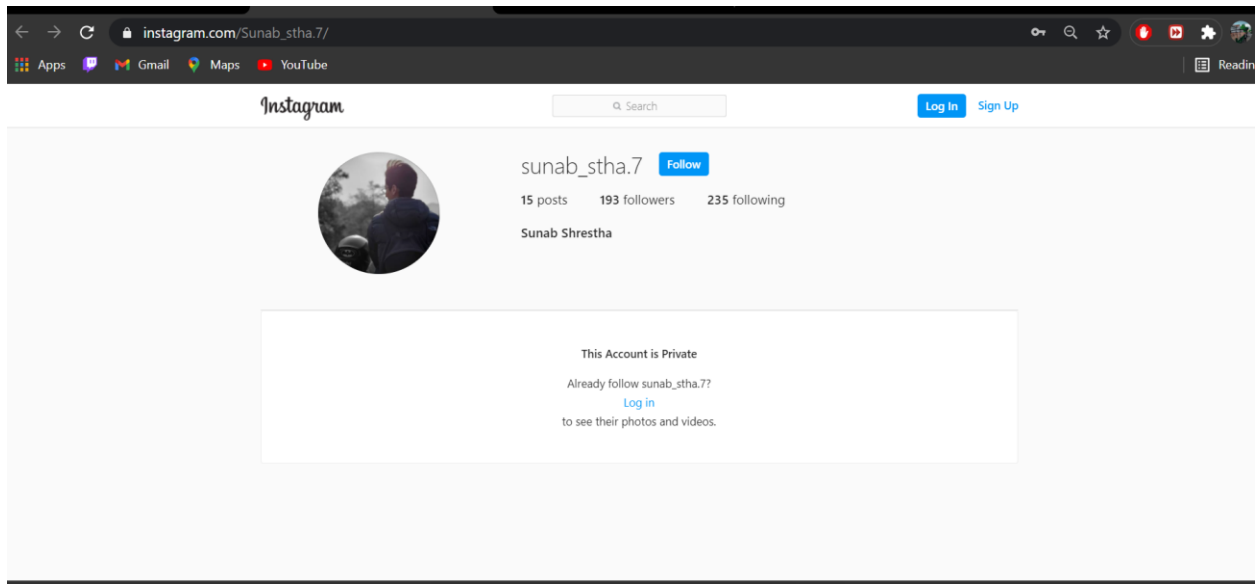


Figure 13: Screenshot for test 3





Test 4:

| | |
|-----------------|--|
| Objective | To check whether the form can be submitted blank or not. |
| Action | All the fields were left blank. |
| Expected result | The dialogue box should turn red with the warning |
| Actual result | The dialogue box turned red with the warning |
| test | The test is successful. |

Table 4: Test 4

Work With Me

Name:

Name cannot be blank

Email cannot be blank

Number cannot be blank

*Figure 14: Screenshot of test 4***Test 5:**

| | |
|-----------------|---|
| Objective | To check whether we can upload document or not |
| Action | Clicking upload a contract button. |
| Expected result | A dialogue box for browsing the files appears. |
| Actual result | A dialogue box for browsing the files appeared. |
| test | The test is successful. |

Table 5: Test 5

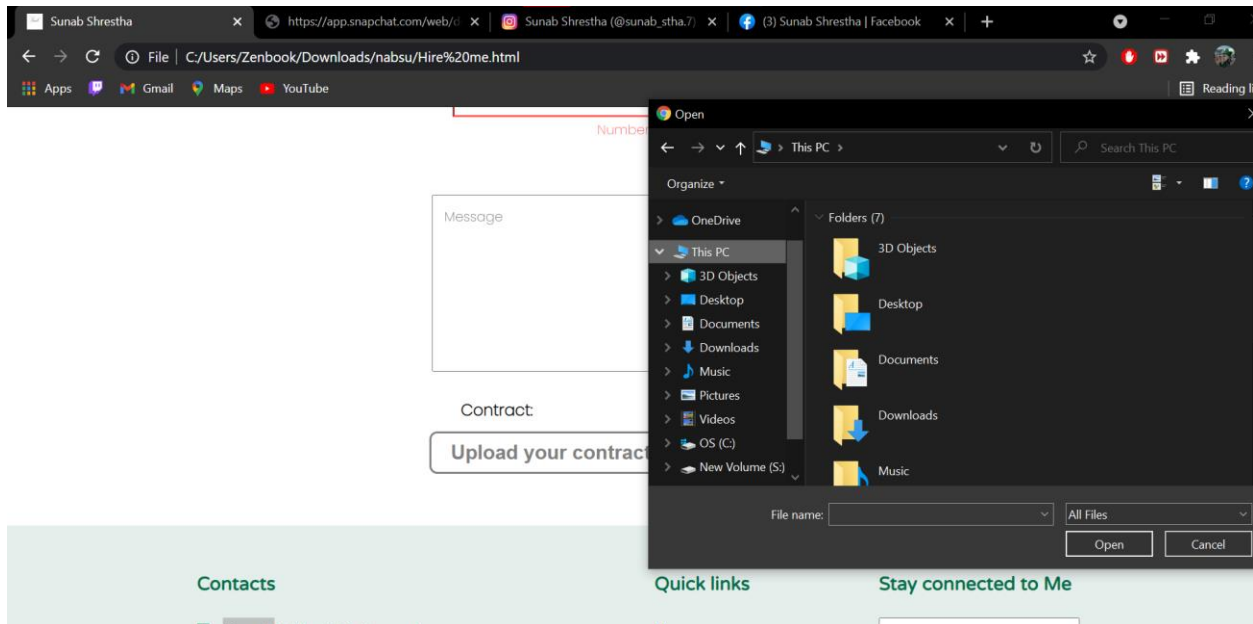


Figure 15: Screenshot for test 5

Conclusion

Web design refers to the design of websites that are displayed on the internet. It usually refers to the user experience aspects of website development rather than software development. Web design used to be focused on designing websites for desktop browsers; however, since the mid-2010s, design for mobile and tablet browsers has become ever-increasingly important.

In the last years, the growing development of the Internet is related to an extremely competitive context. This project can be used know about me better and hire me for a work. This project helped me a lot to improve in my web page designing skills. Also, it taught me how to manage the contents in the web page. I understood design components of websites, including the use of colour, layout and when to use different techniques, typography rules, and the importance of imagery. It gave me an opportunity to know more about HTML, JavaScript and CSS as I did a lot of research on it. I learned that the designing web page is not easy as people think.

References

- geeksforgeeks*. (n.d.). Retrieved from [geeksforgeeks.org](https://www.geeksforgeeks.org/css-introduction/): <https://www.geeksforgeeks.org/css-introduction/>
- guru99*. (n.d.). Retrieved from [guru99.com](https://www.guru99.com/introduction-to-javascript.html): <https://www.guru99.com/introduction-to-javascript.html>
- infoworld*. (n.d.). Retrieved from [infoworld.com](https://www.infoworld.com/article/3588153/4-handly-uses-for-visual-studio-code-aside-from-coding.html): <https://www.infoworld.com/article/3588153/4-handly-uses-for-visual-studio-code-aside-from-coding.html>
- visual Studio*. (n.d.). Retrieved from [Code.visualstudio](https://code.visualstudio.com/docs/editor/whyvscode): <https://code.visualstudio.com/docs/editor/whyvscode>