Module Code & Module Title

CC4057NI Introduction to Information Systems

Assessment Weightage & Type

30% Individual Coursework

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1. Introduction

As part of the programming module curriculum, we were given the following coursework. In this assignment, we will create a portfolio website using HTML5, CSS3 and Java script. There will be five pages into the portfolio website: Home, CV, Blog, Research, and contact.

The goals and objective of this this project is to design a perfect website. with the completion of this project we will be able to learn the use of HTML5, CSS3 and Java script in web design. The main goal of this project is to learn and research in order design our own perfect website. We will learn different types of web design made by different talented people from all around the world. By researching them we will be able to learn a lot. Overall, the main goal and objective of this project is learning because we can never learn enough.

HTML (Hypertext Mark-up Language) is the coding that organizes the information and structure of a web page. Content might be organized using paragraphs, a list of bulleted points, or graphics and data tables, for example.

CSS is a language for specifying how Web pages are presented, including colours, layout, and fonts. It enables the presentation to be adjusted for different types of devices, such as huge displays, tiny displays, or printers. CSS may be used with any XML-based mark-up language and is not dependant on HTML.

The script> element in HTML is used to specify a client-side script (JavaScript). The sac property of the script> element either includes script statements or connects to an external script file. Image manipulation, form validation, and dynamic content changes are all common uses for JavaScript.

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Altogether, HTML provides the foundation for a website's structure, which is then expanded and adjusted using CSS and JavaScript. Presentation, formatting, and layout are all controlled by CSS. JavaScript is a scripting language that is used to control the behaviour of various components.

2. Discussion and Analysis

2.1 Visual Studio Code

The text editor we are going to use for our portfolio project is Visual Studio Code. If you are a Web Developer, you probably use Visual Studio Code for coding your projects too. The editor has rapidly gained popularity among developers, ranking as the most popular development environment overall. Its popularity stems from the rapid expansion of the web development profession in recent years, as well as the requirement for developers to have a lightweight, well-designed editor with fewer capabilities than other editors on the market. It's also free, and Microsoft built and maintains it using a contemporary method based on Electron. These are some characteristics that bring Viscose to the top of the coding editors:

- Open source
- Simplicity
- Familiarity
- Minimal design
- Extension

2.2 Balsamic Wireframes

Balsamiq Wireframes is a low-fidelity UI wireframing tool that simulates sketching on a notepad or whiteboard but on a computer. It compels you to concentrate on structure

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and substance rather than prolonged conversations on colours and details, which should be saved for later in the process.

In every online or app project, wireframing is a crucial communication tool. Wireframes assist your customer establish their project goals and major emphasis by getting them to think about what their true needs are.

3. Name of Page

3.1 Home page:

The first page of our website is going to be home page. A home page is must for any website. Home page is responsible of attraction of the viewers. If a home page is attractive the people are more like to surf your website. My home page contains a nav bar with portfolio logo. The tags used in this page are <div, <nav, <ul, etc.

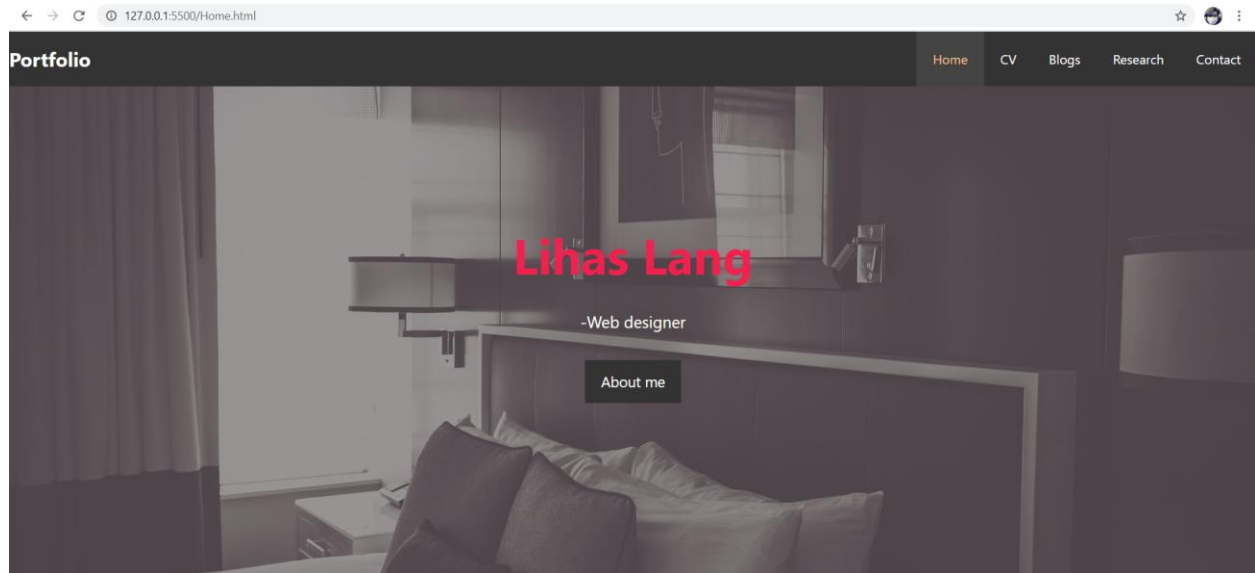

Figure 1 :home page wireframe

Figure 2 home page

3.2 CV page

This is the second page of our website. It contains the information about the person for whom this portfolio website is made. It has tags such as <div, <nav and <ul to design a navigation bar. We have also used <section tags and container tags to write information.
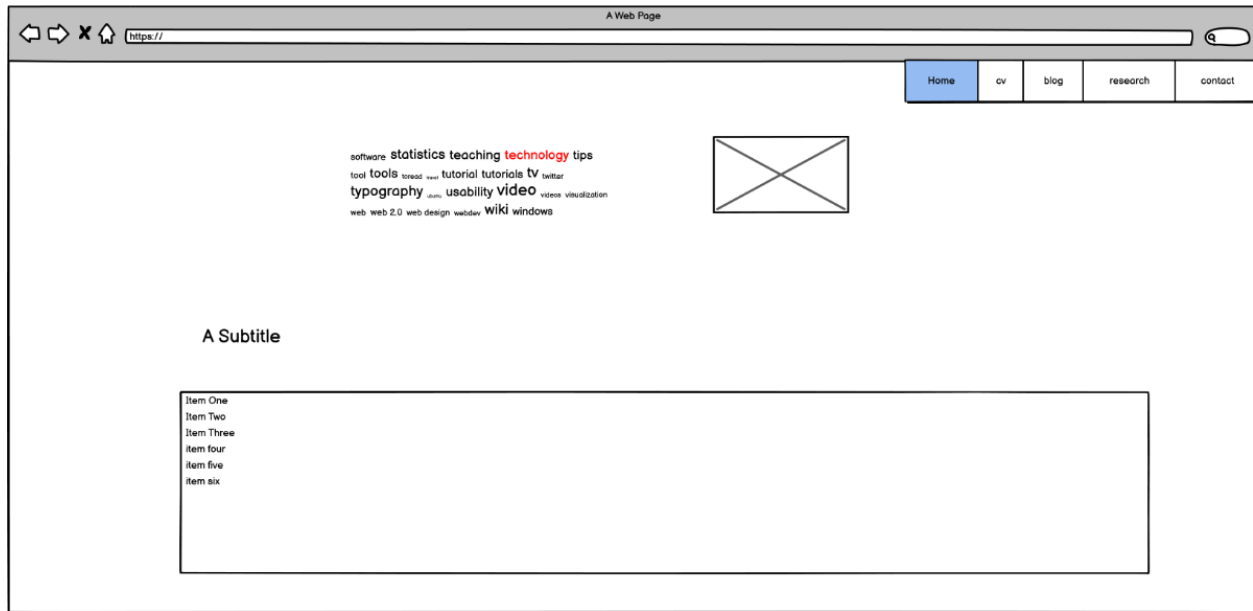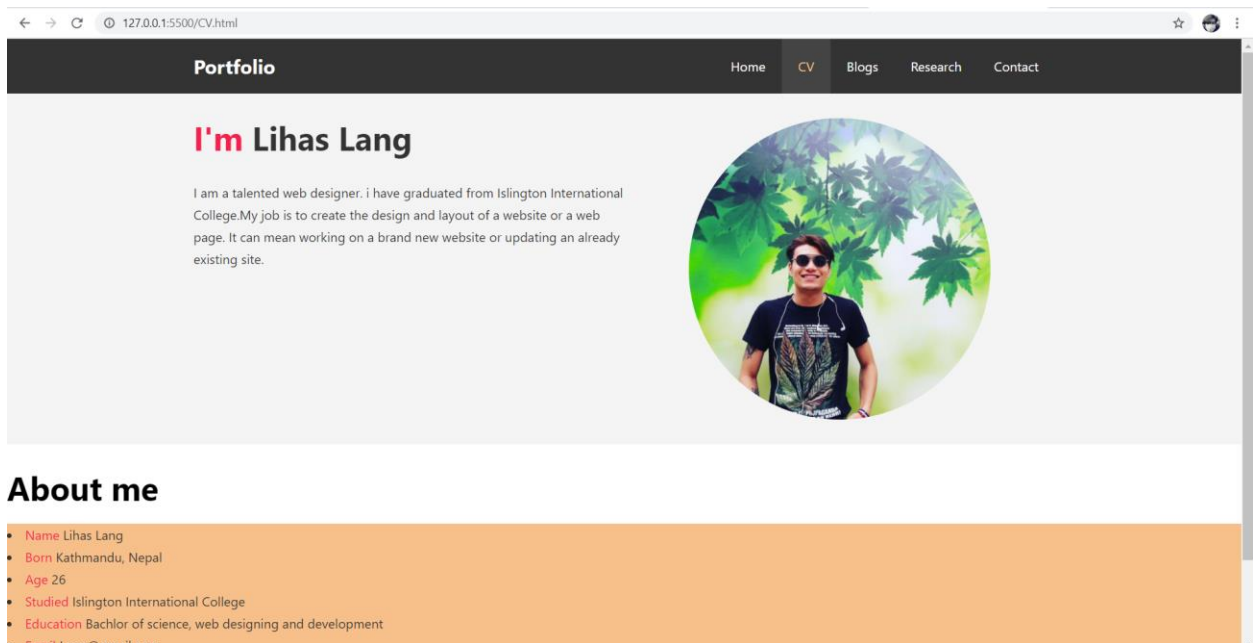
Figure 3 CV page wireframe

Figure 4 CV page

3.3 Blogs page

This is the third page of this project. It contains the blog that can be read by the viewers about the impact of technology in our daily life. Just like the previous pages navigation

bar is made using <div, <nav and <ul. Again <div tag is used to place the title. After that <section tag is used to write blogs.
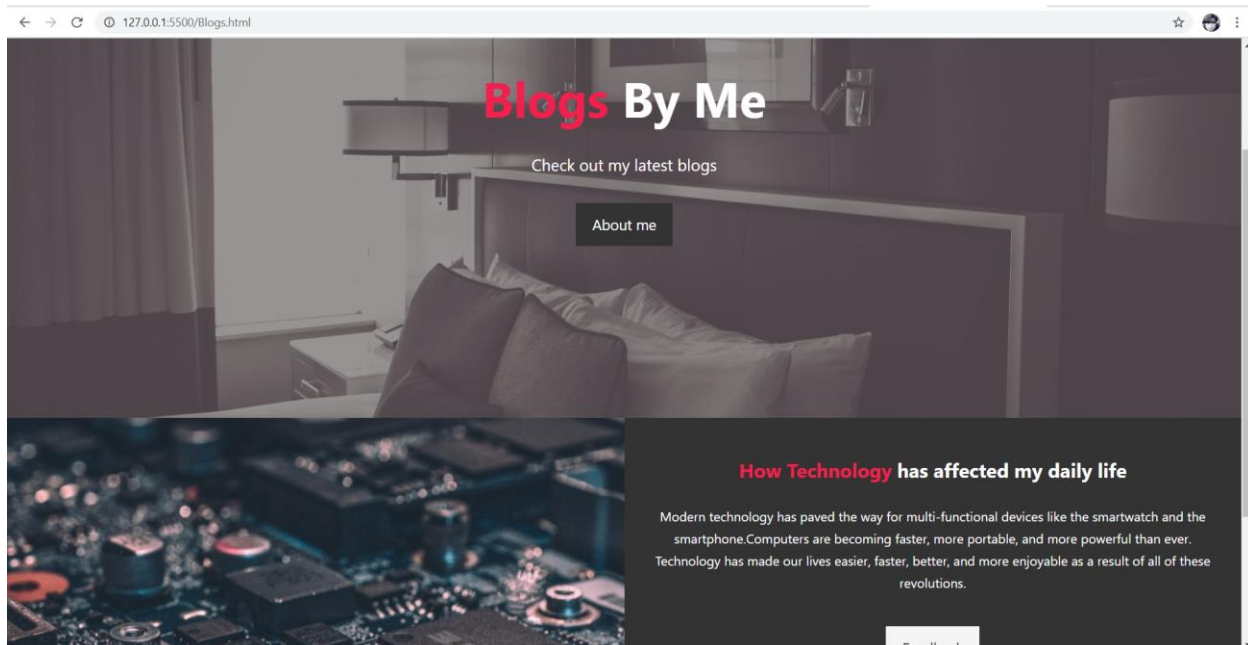

Figure   Blog wireframe

Figure 5 Blog page

3.4 Research page

This is the fourth page of this project. It contains the research made during this project by studying different website sample or website made by different web designers. div tags and nav tags are used in this page
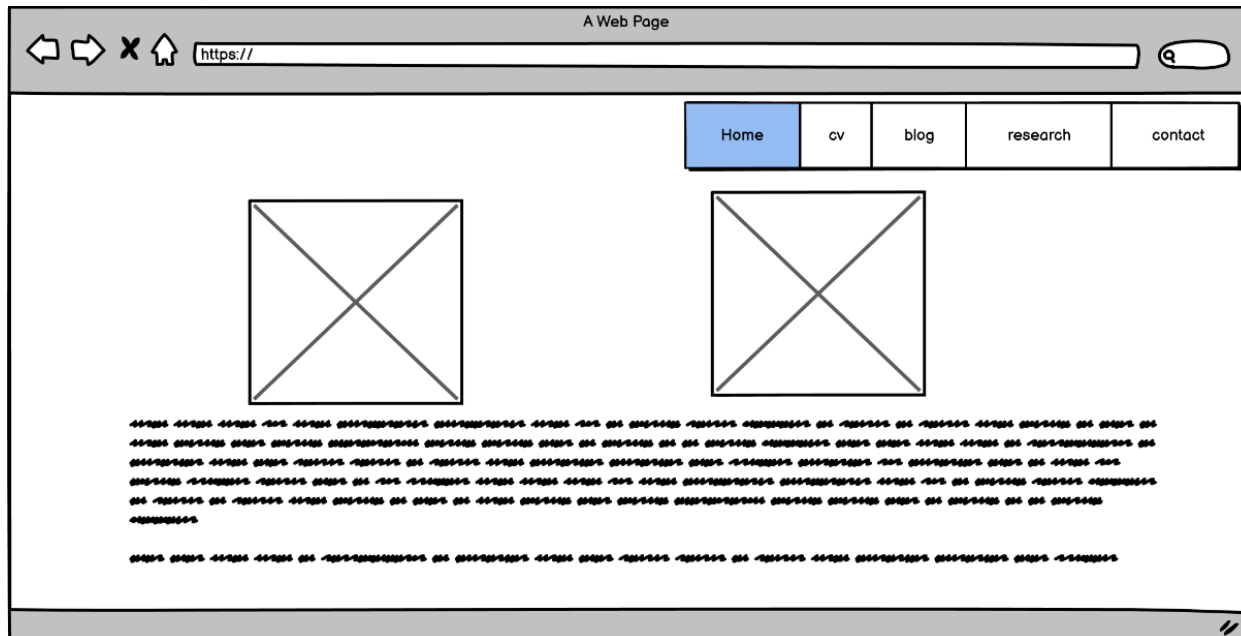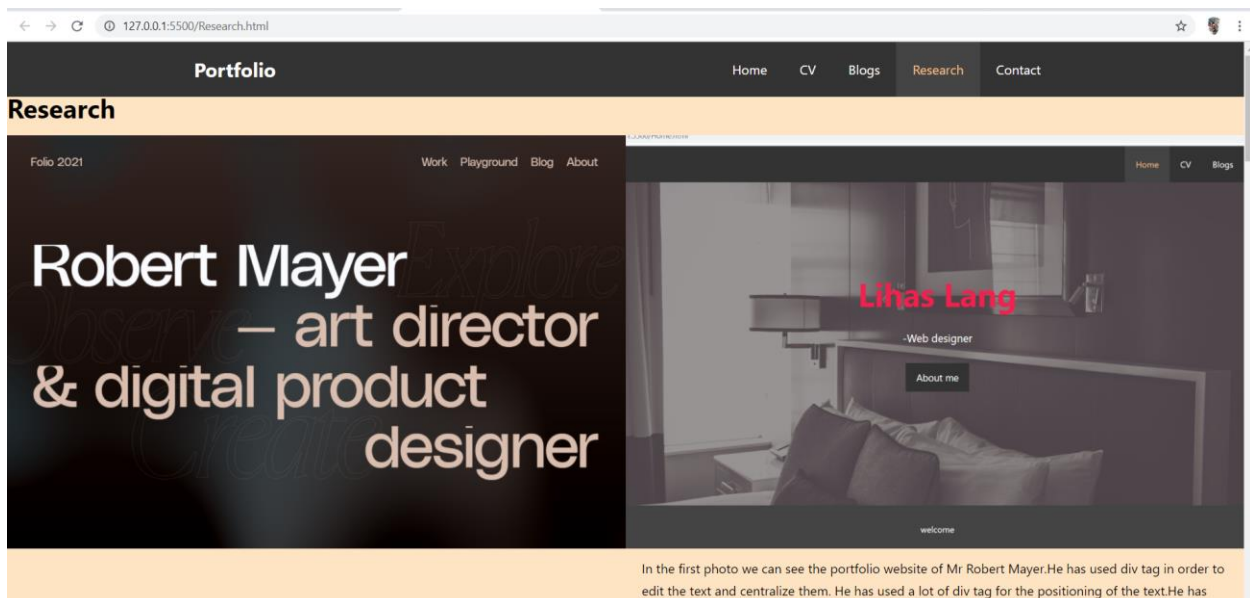

Figure 6 Research page wireframe

Figure 7 Research page

3.5 Contact page

This is going to be the last page of our project. It contains a form through which the viewers can give feedback or write any message they want. JS is used in this page for the validation of form.
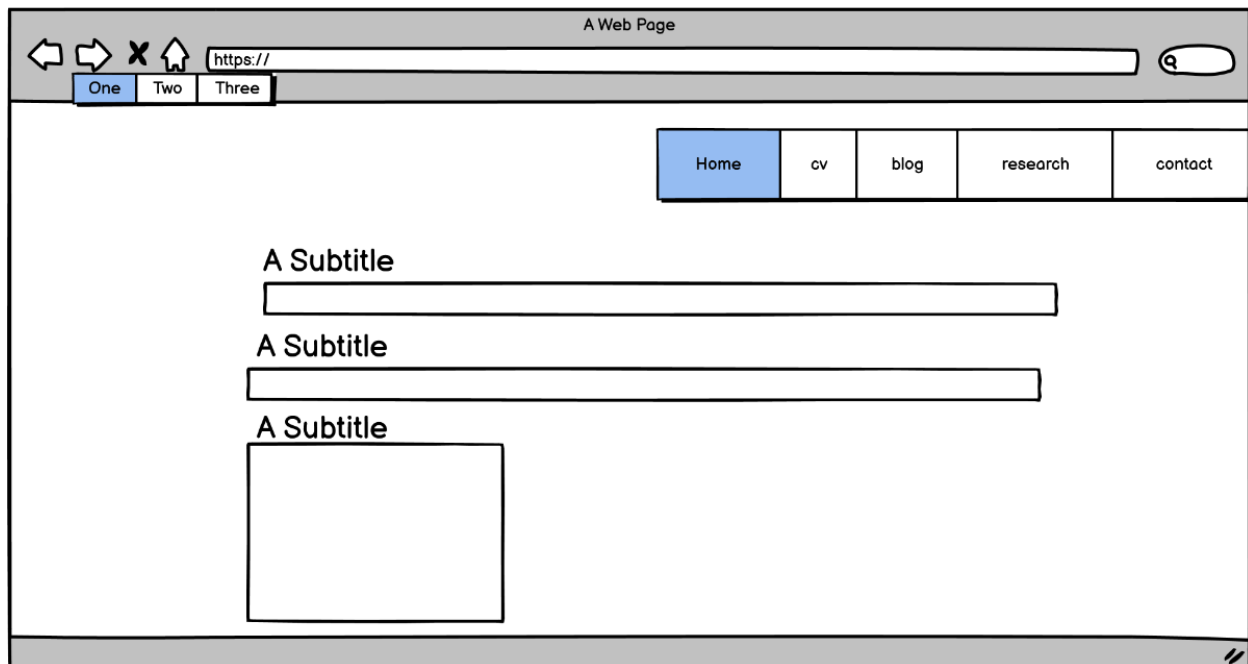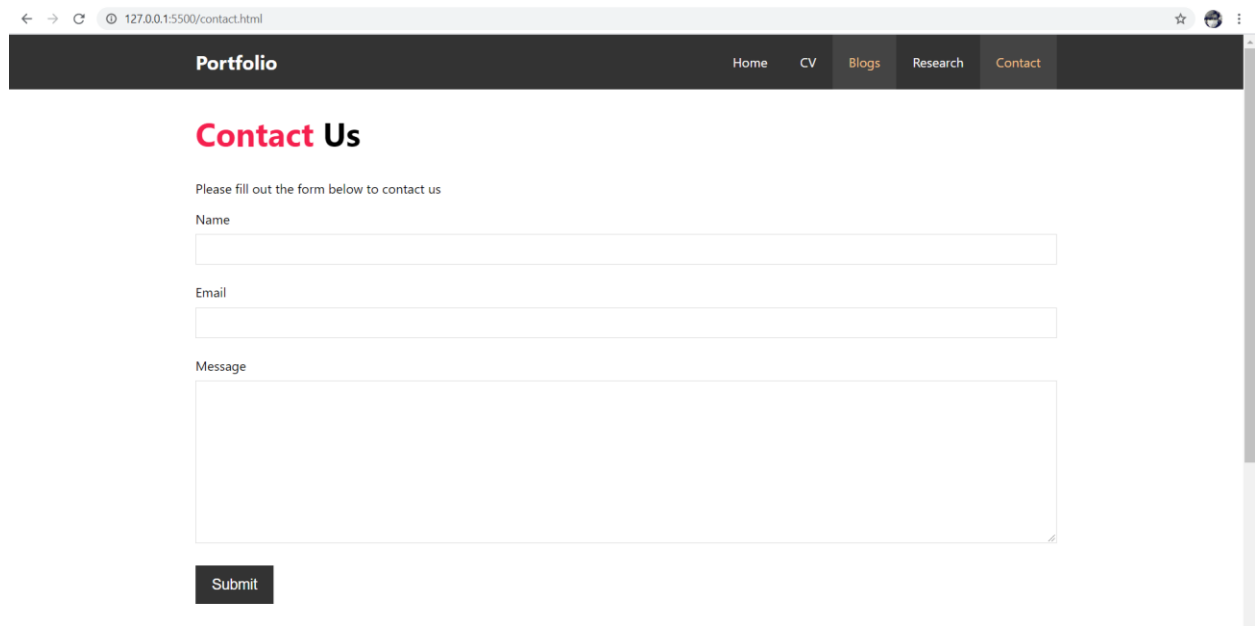

Figure 8 Contact page wire frame

Figure 9 contact page

4. Tests

Test 2

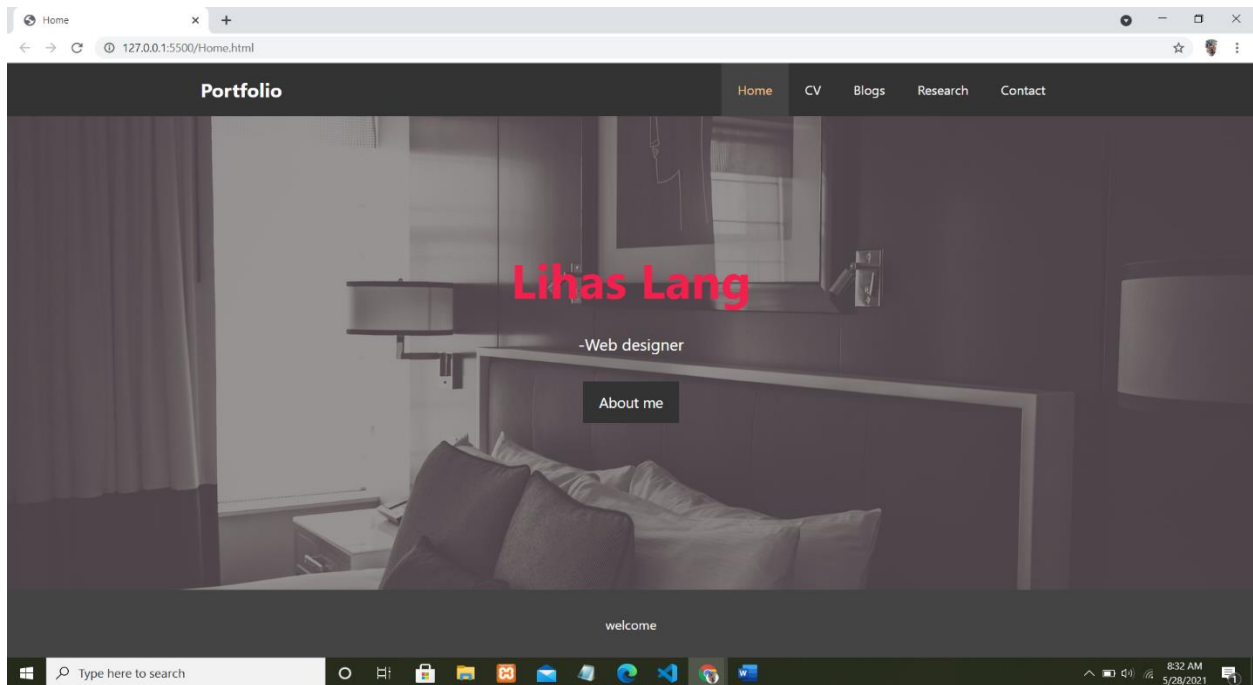| Objectives	To change the button colour while clicking

Action	CSS is used to for this effect
	
	. bunchier {
	  background: #f7c08a.
	  color: #333;}

Expected result	Button should hover
Actual result	Buttons hovers
Test	passed

Table 1 Test 1

Figure 10 test 1

Test 2

Objectives	To display pop up box with alert

Action	Java script is used for this function
	
	function change () {
	
	    var element = document.getelementByID('Click me');
	
	    element.innerHTML = "Hello World";
	
	    element.style.color = "Blue"
	
	  }

Expected result	Pop up message should be displayed
Actual result	Pop up message is displayed
Test	passed

Table 2 Test 2

127.0.0.1:5500 says

welcome to this site

OK

Figure 11 Test 2

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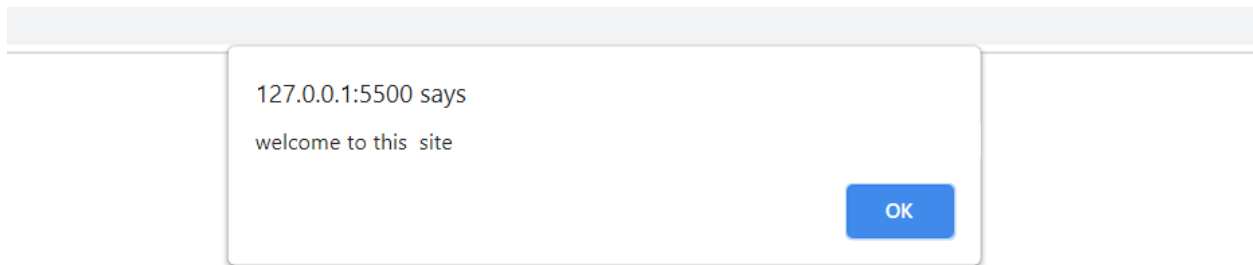
Test 3

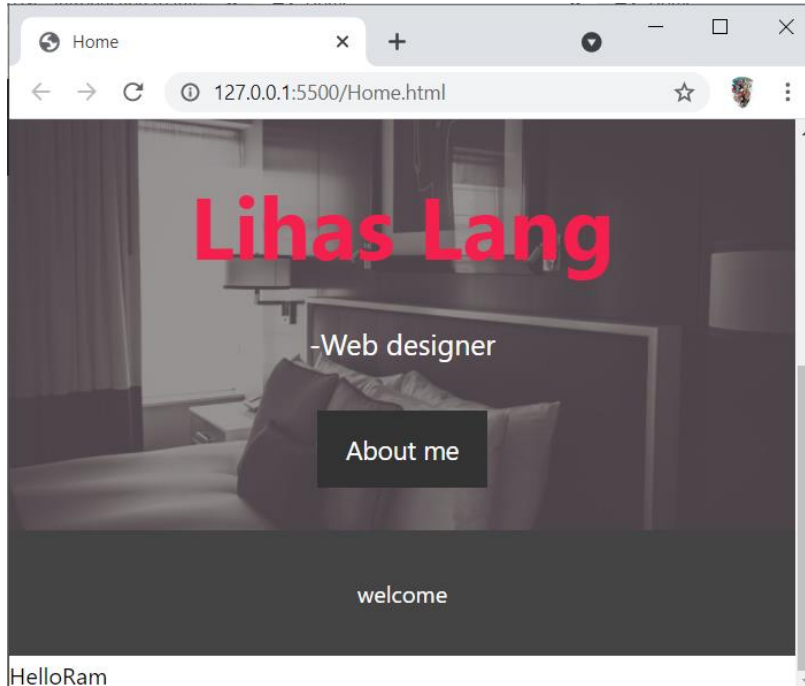| Objectives	To ask user for input with prompt
Action	JS is used for this task \<script\> var name = prompt("Enter your name"); \</script\>
Expected result	A prompt should be displayed asking for input
Actual result	A prompt is display asking for input
Test	passed

Table 3 Test 3
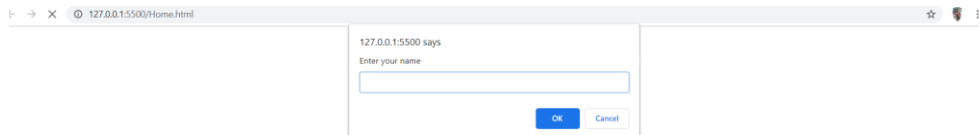
Figure 12 Test 3Table 4 Test 4

Test 4

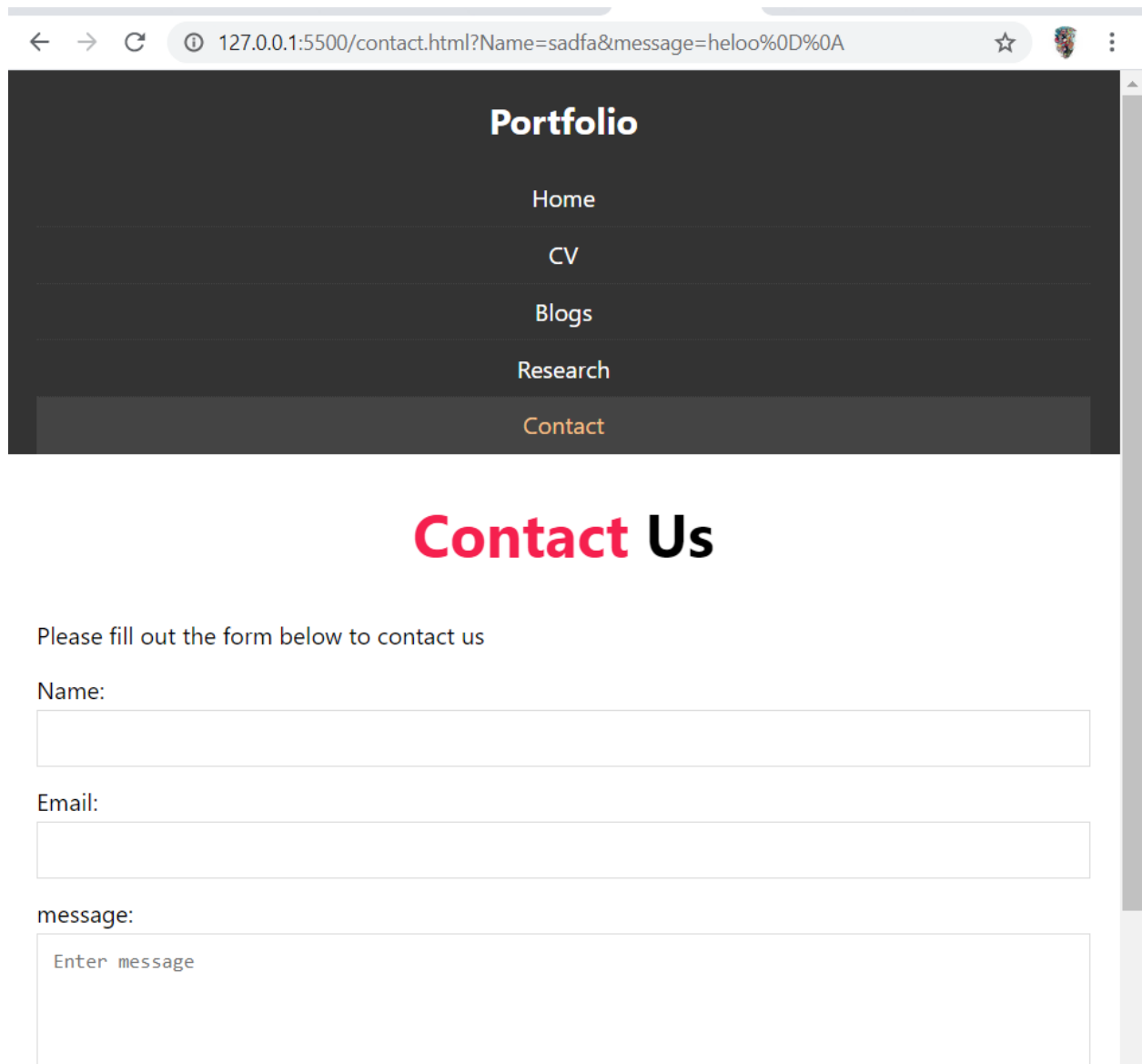| Objectives	To display the input from as output
Action	JS is used for this task \<script> document.write("Hello" +name); \</script>
Expected result	Output should be displayed
Actual result	Output should be displayed
Test	passed

Table 4 Teat 4

Figure 13 Tset 4

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Test 5

Object ives	To valiadate form

Action	Using JS and Html the form is valiadated
	
	form name="messageForm" onsubmit= "validateForm()">
	      <p>Name: <input type="text" name="Name"></p>
	      <p>Email: <input type="text" Email= "Email"></p>
	      <p>message:
<textarea name ="message" rows= "10" cols= "30" pl
	aceholder="Enter message"></textarea></p>
	      <p><input type= "submit" value="send"></p>
	   </form>
	  </section>
	  </div>
	 <script>
	 function validateForm() {
	 var Name = document.forms["messageForm"]["Name"].value;
	 var Email = document.forms["messageForm"]["Email"].value;
	 var message = document.forms["messageForm"]["message"].value;
	 }
	 </script>

Expec ted result	Form is validated
Actual result	Form is validated
Test	passed

Table 5 Test 5

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Figure 14 Test 5

5. Conclusion

This was the third coursework for our module Information System We had to create a website about portfolio where 3 page mush be blog, research and CV and we could decide 2 other pages on our own. As usual I learned a lot of new thing while working on this coursework. Althoung it was hard and confusing in the beginning after some research I was finally able to complete my course work.

After a lot of research I found out the importance and correct way for the development of a website. I found out that Standardiztion is one factor for creating a good website.when we use the right tools, we are assured that our pages would be standard and acceptable to every visitors. Using the right resources for our web design jobs will make websites contemporary. They are simple to incorporate into current technology and applications. Our users would benefit from our websites and contribute to their growth. The correct resources also make it simple for visitors to use our website. The website's standard tools will verify that items like navigation, menus, and layout adhere to current principles that every online user is acquainted with.

If we employ the correct tools, we can make our pages more appealing. They will appear appropriately in the browser, and your visitors will be happy to return because you appealed to them.