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(इस्लिङ्टन कलेज)

Module Code & Module Title

CC4057NI Introduction to Information Systems

Assessment Weightage & Type

40% Individual Coursework

Year and Semester

2021-22 Autumn

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1. Introduction

The final report for the coursework of the module "Introduction to Information System" involved the development of an e-commerce website for a store which sells various books with minimum of 5 different webpage. These webpages contain a home page, product page where the store sells various types of books, a blog page dedicated to demonstrating how technology has influenced our daily lives, a research page describing how we drew inspiration for our own web design from various websites and a contact us page where the customer can reach out to the store via a form.

Here for the development of the website multiple elements, tags along with its attributes were used from HTML5. Tags like such as title, meta, img, table, div, form was used in the website with implementing proper tag nesting. Also Cascading Style Sheets (CSS) is used for the designing of the website. Internal, inline and external CSS all were used with proper justification of the usage of different CSS. Similarly, JavaScript is also used for the dynamic change in the content of the website and to do other tasks such as form validation, etc.

The website is developed using HTML5, Cascading Style Sheet (CSS) and Java Script. Further description is stated below:

> **HTML5**
> Hypertext Markup Language 5 (HTML5) is a markup language used for structuring and presenting in World Wide Web (www). HTML5 also supports HTML and XHTML syntax as well as error handling and APIs. (Anon., n.d.)

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- ➢ **Cascading Style Sheet (CSS)**

  CSS also known as Cascading Style Sheet is a simple design language which makes it easier to present webpages with simple to use designs. Designs like colour of text, style of fonts, spacings, layout, etc can be presented in the webpage. (Anon., n.d.)

- ➢ **JavaScript**

  JavaScript is a cross platform Object Oriented Scripting Language which helps to make the webpage more user interactive. Popup menu, complex animations and clickable buttons with links are few examples of JavaScript. (Anon., n.d.)

Objective

The main objective of the coursework is to get us familiar with using HTML, CSS and JavaScript which will aid us in our future career as a Web designer. Also, the coursework also makes us to do research work and explore more.

Description of the Website

The website is created using simple designs and few colours and also user friendly. The webpages contained a home page, product page, blog page, research page and a contact us page. These pages are different from each other and all these pages are connected using a hyperlink which is navigated through a navigation bar which is set at the top of all five webpages. Also, a footer is found below of all the webpages and consist of page copyright. These webpages also provide the content of coursework's requirement.

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All the contents of the webpage are described below:

➢ **Home**

It is the main page of the website. This is the first page that will be displayed after we open the website.

➢ **Product**

This is the second page of the website and also the main page where the requirement of selling books is fulfilled. Here the availability of books is show along with a short description. Here the customers can buy the book via the website.

➢ **Blog**

This page consists of a blog where which descript about how technology has influenced our daily lives.

➢ **Research**

The webpage contains all the references from where the inspiration for our webpages was done.

➢ **Contact Us**

This webpage consists of few links where the customer can follow in various social media platforms and also consist of a form where the customer can give their queries.

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2. Discussion and Analysis

In the coursework we were assigned to create an e-commerce website for a store which sells various books. In order to accomplish it we were required to use HTMML5, CSS and JavaScript skills with our ideas. Hence the general website design was done with Balsamiq Wireframe. The actual website was done using Sublime Text 4 and the documentation in MS-Word.

Sublime Text 4

Sublime Text 4 is a Text editor application which allows us to modify text. We can create several websites using it. It utilizes all the properties of HTML, CSS, and JavaScript. The Sublime Text editor was quite helpful in completing the coursework. The text editor provided proper syntax automatically thanks to its auto completion mechanism in the text editor program. (Anon., n.d.)

Balsamiq Wireframes

Balsamiq wireframe also known as mock-ups or low-fidelity prototypes, is a user interface design tool which is used to create wireframes. This tool helps us display our format structure of the program as an idea representation. The program contains easy to use user interface and helps us save a lot of time in design thinking phase. (Anon., n.d.)

Microsoft Word (MS-Word)

Microsoft Word is a famous word processor which is published by Microsoft itself. MS-Word allows us to create quality documentation report, letters, resumes, etc. For such professional documents Microsoft has provided us with many features like spelling check, grammar check, formatting etc. (Anon., n.d.)

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Wireframe

Wireframe is a rough representation or a blueprint of the website that helps us in assisting in our programming and design thinking phase. Wireframe helps in the visual design of the program which saves us much time for design thinking while coding.

The tool used here for the development of the wireframe is Balsamiq. Using the tool, the following the following wireframes were created along with the actual webpage of it.

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3. Examples of Wireframe

Home

Here in the home page, in the top there is a header area where the store logo is kept at the centre, and then there is the navigation bar that bridges the other remaining pages of the website. Then in the body section has a background image with a quote on it. Then there is a button which leads the page to the product page. Then there is the footers section where the store has kept is copyright.

Wireframe of Home Pages
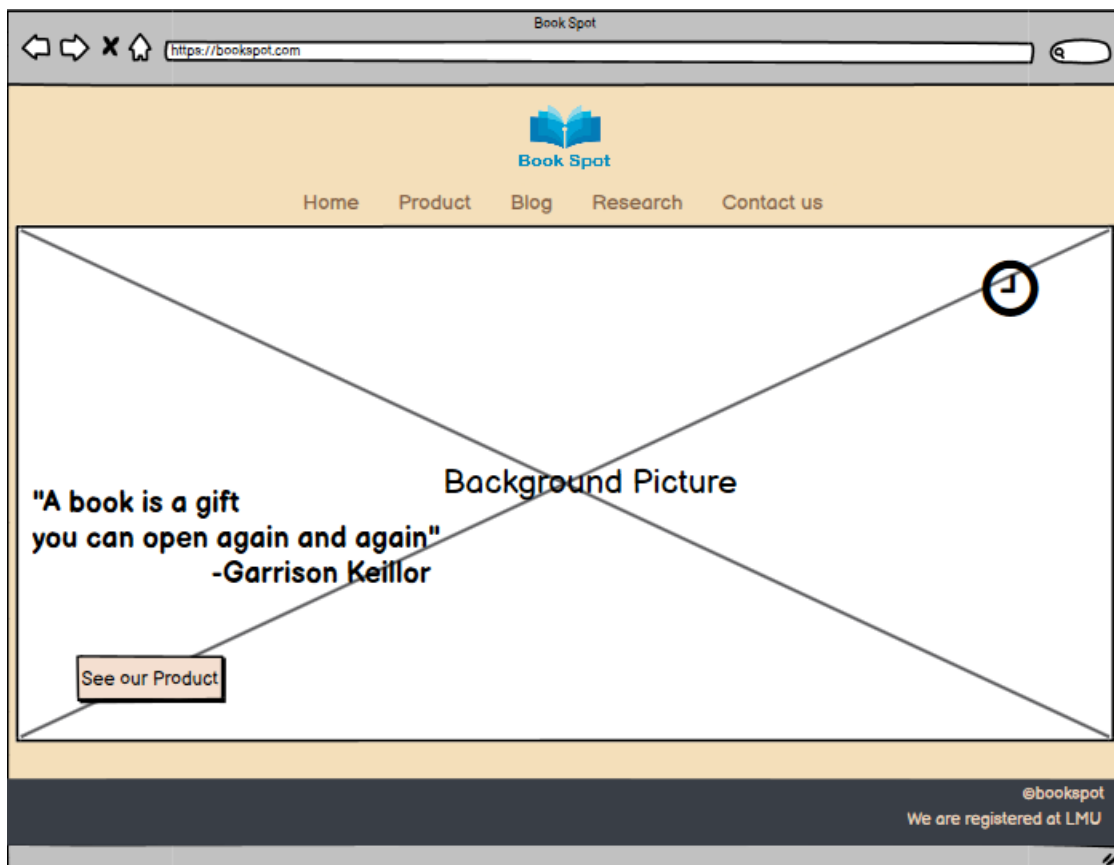
Figure 1: Wireframe of Home Page

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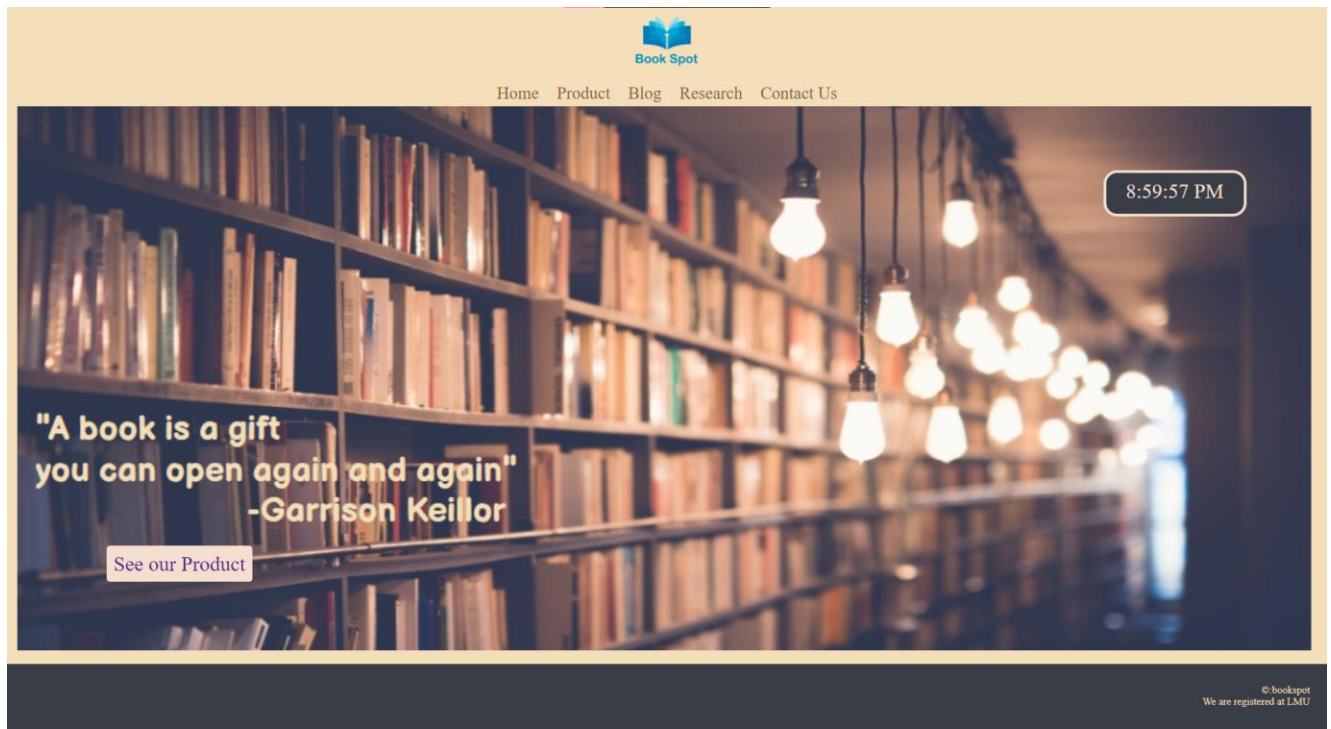
Actual Home Page

Figure 2: Actual Home Page

Products

In the second page of the website, it about the product of the store. In the top there is a header area where the store logo is kept at the centre, and then there is the navigation bar that bridges the other remaining pages of the website. Then in the body section, a series of images is displayed along with the book and its details. Then there is the footers section where the store has kept is copyright.

Wireframe of Product Page
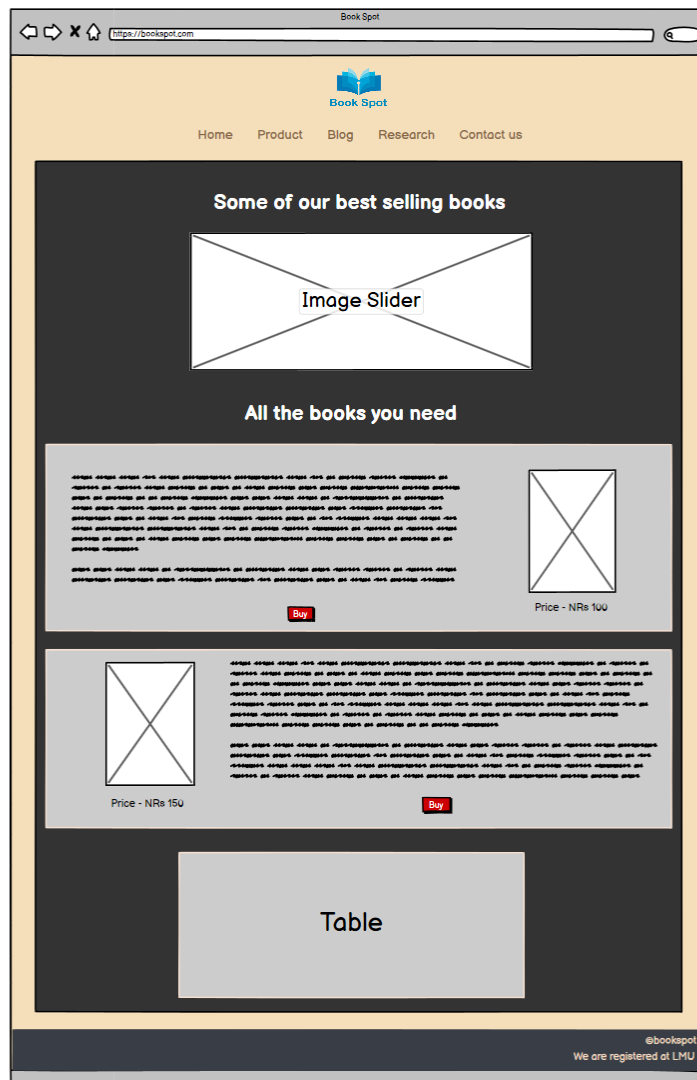
Figure 3: Wireframe of Product Page

Actual Product Page
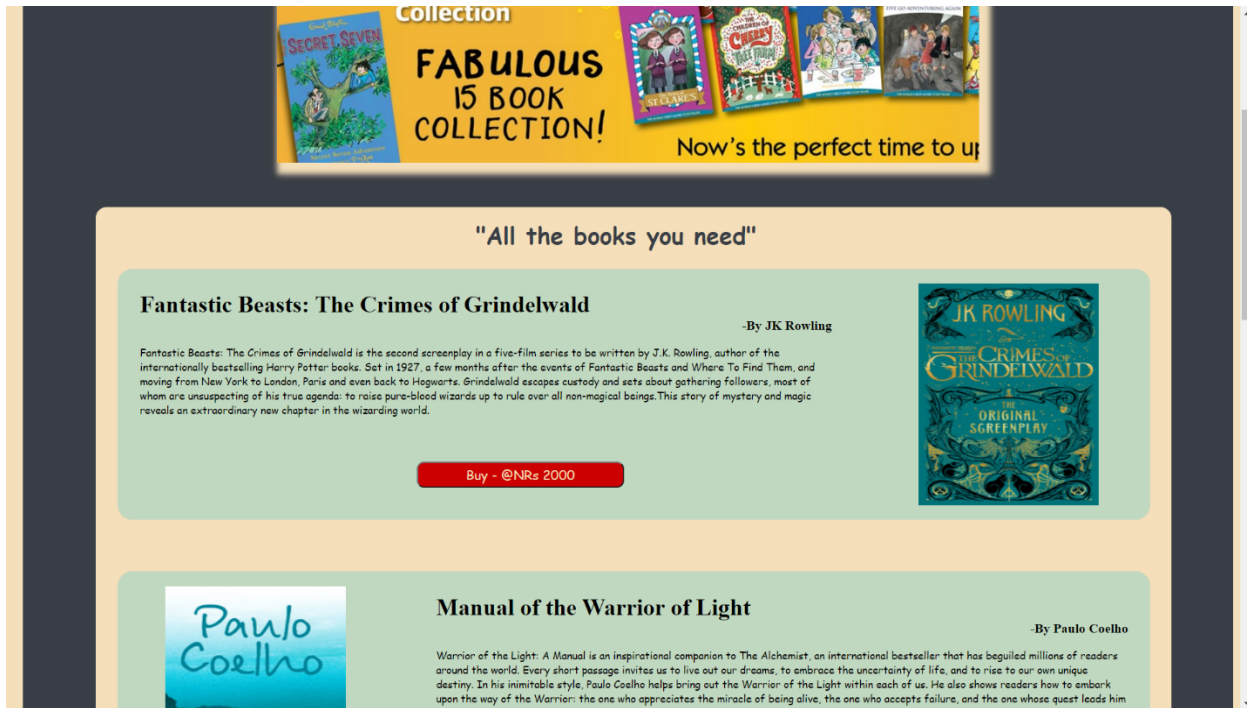
Figure 4: Actual Product Page

Blog

In the blog page it tells us about a simple blog on the title "Impacts of technology on us". In the top there is a header area where the store logo is kept at the centre, and then there is the navigation bar that bridges the other remaining pages of the website. The in the body the blog of the following topic is shown. Then there is the footers section where the store has kept is copyright.

Wireframe of Blog Page
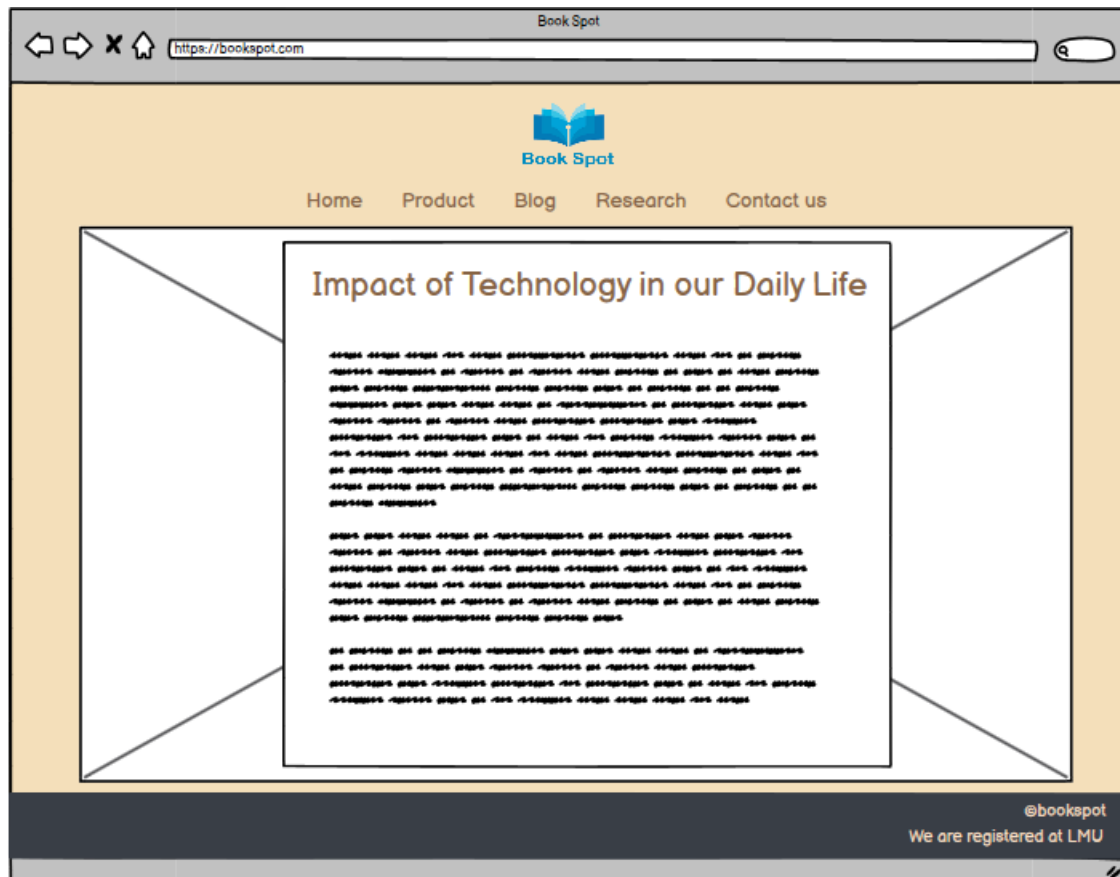
Figure 5: Wireframe of Blog Page

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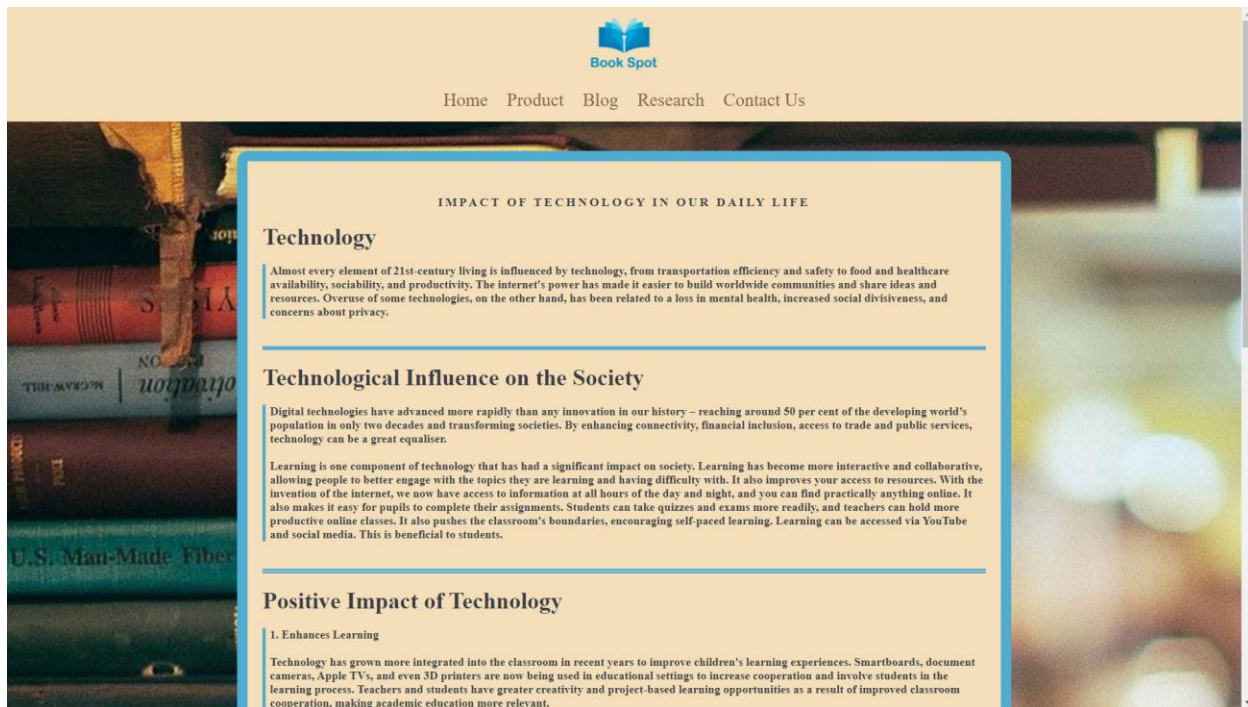
Actual Blog Page

Figure 6: Actual Blog Page

Research

The research page explains how we came up with the idea for the website by looking at a variety of different websites. In the top there is a header area where the store logo is kept at the centre, and then there is the navigation bar that bridges the other remaining pages of the website. The referred website is then displayed side by side with our genuine website on all of the website's pages, along with a few details about it. Then there is the footers section where the store has kept is copyright.

Wireframe of Research Page
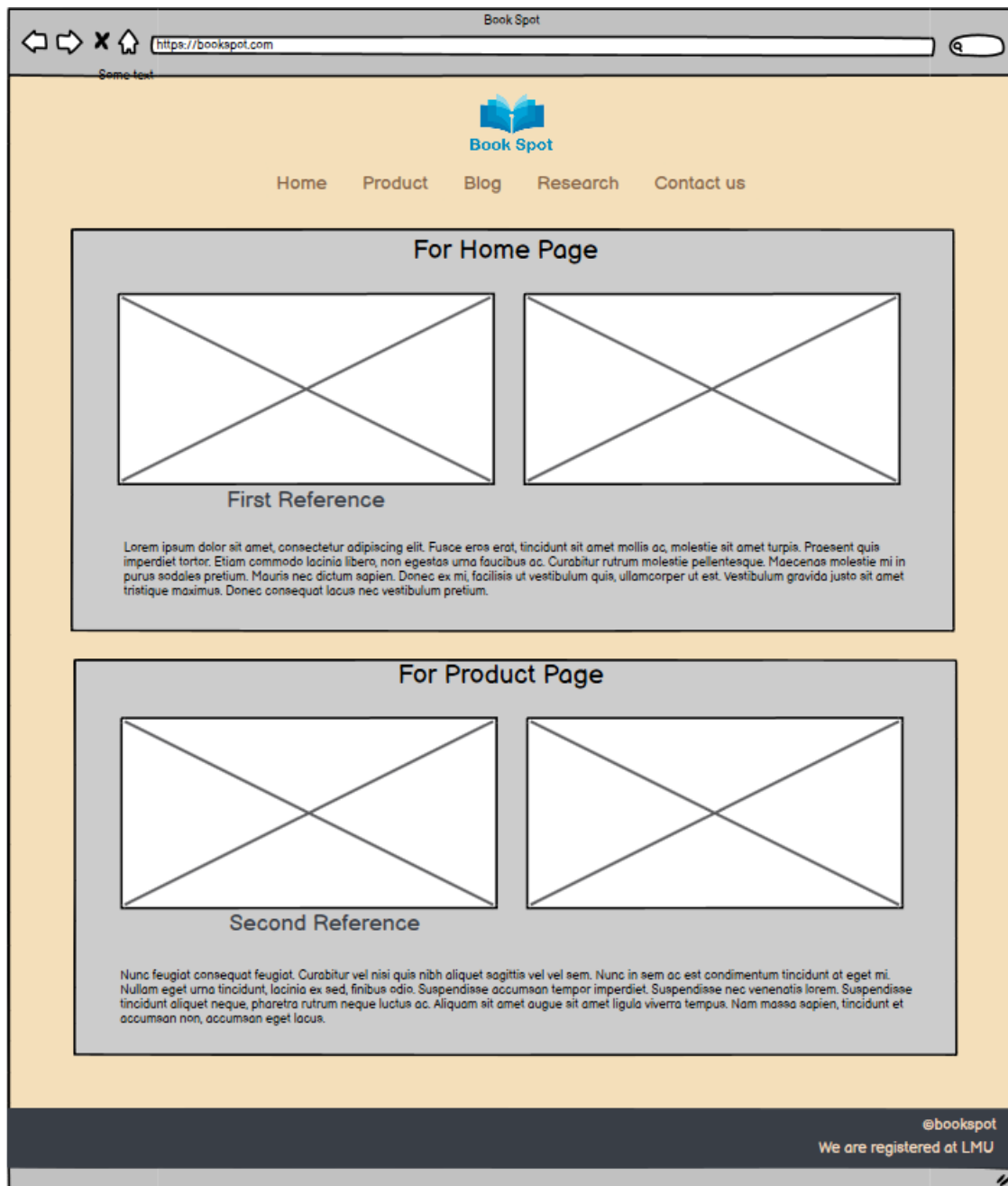
Figure 7: Wireframe of Research Page

Actual Research Page
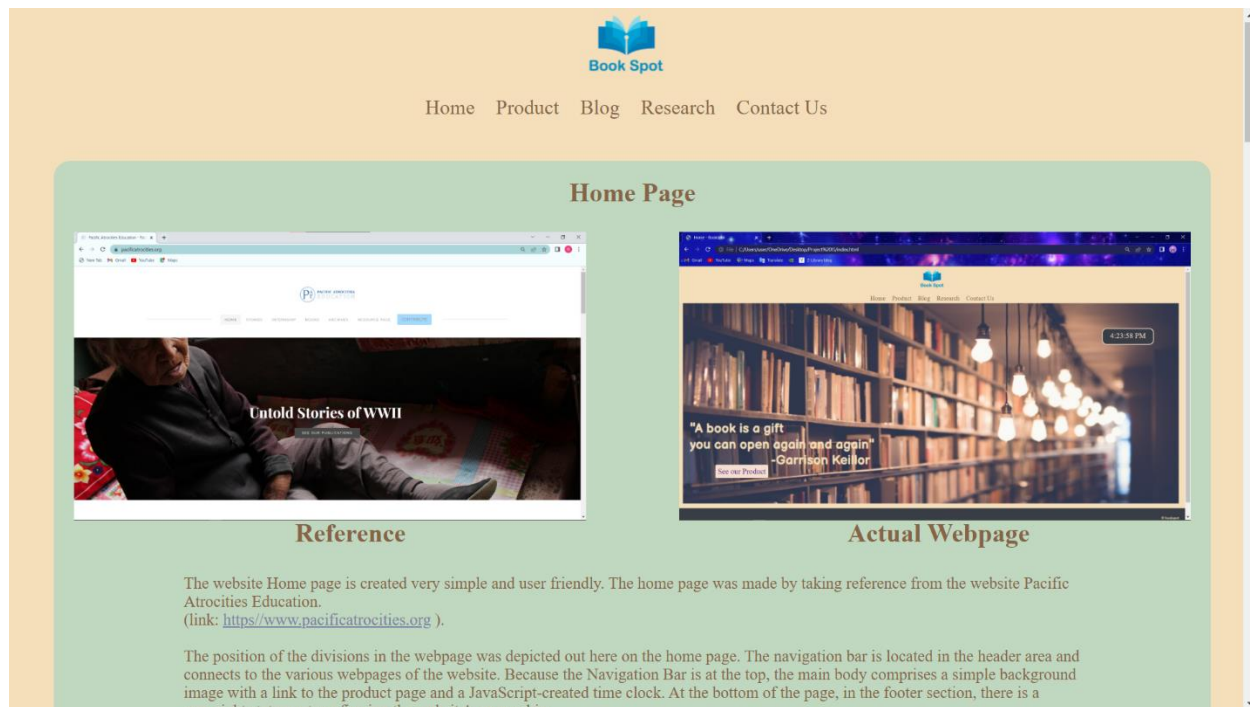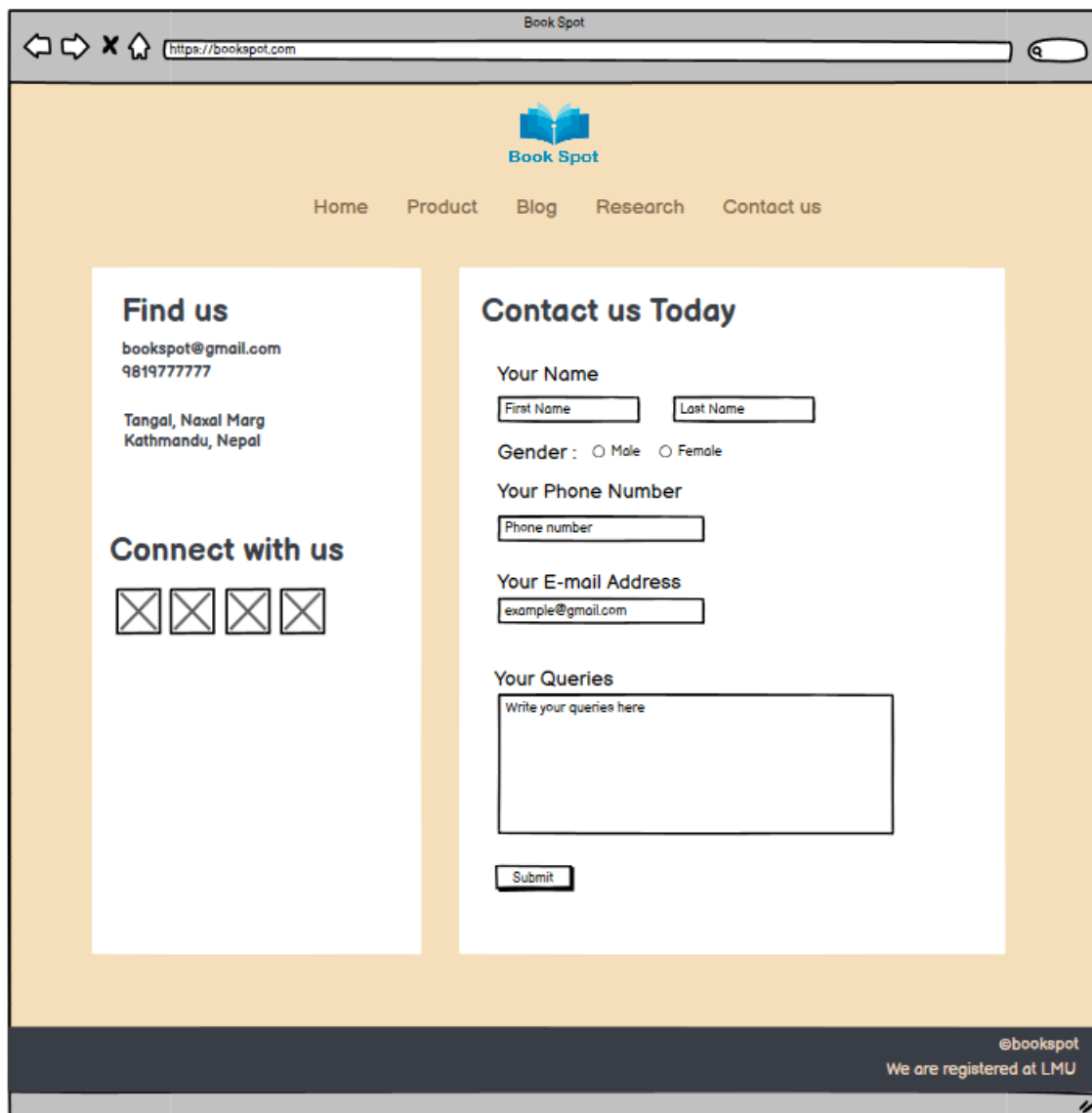
Figure 8: Actual Research Page

Contact Us

Contact Us page is a page where the customer can connect with the store via the website itself. In the top there is a header area where the store logo is kept at the centre, and then there is the navigation bar that bridges the other remaining pages of the website. In the body section two section is made where one section has all its details like phone number, social media, etc. The other section contains a form where the customer can drop their queries if they have any. Then there is the footers section where the store has kept is copyright.

Wireframe of Contact Us Page

Figure 9: Wireframe of Contact Us Page

Actual Contact Us Page

Figure 10: Actual Contact Us Page

4. Testing

Test 1: To display a pop-up message when submitting the form empty

Objective	Displaying a pop-up message when submitting the form empty.
Action	The form is intentionally left blank to see if the pop-up message works.
Expected Result	A pop-up box with a message must be displayed.
Actual Result	A pop-up box with a message was displayed.
Conclusion	The test is successful.

Table 1: Test 1 (Pop-up message)
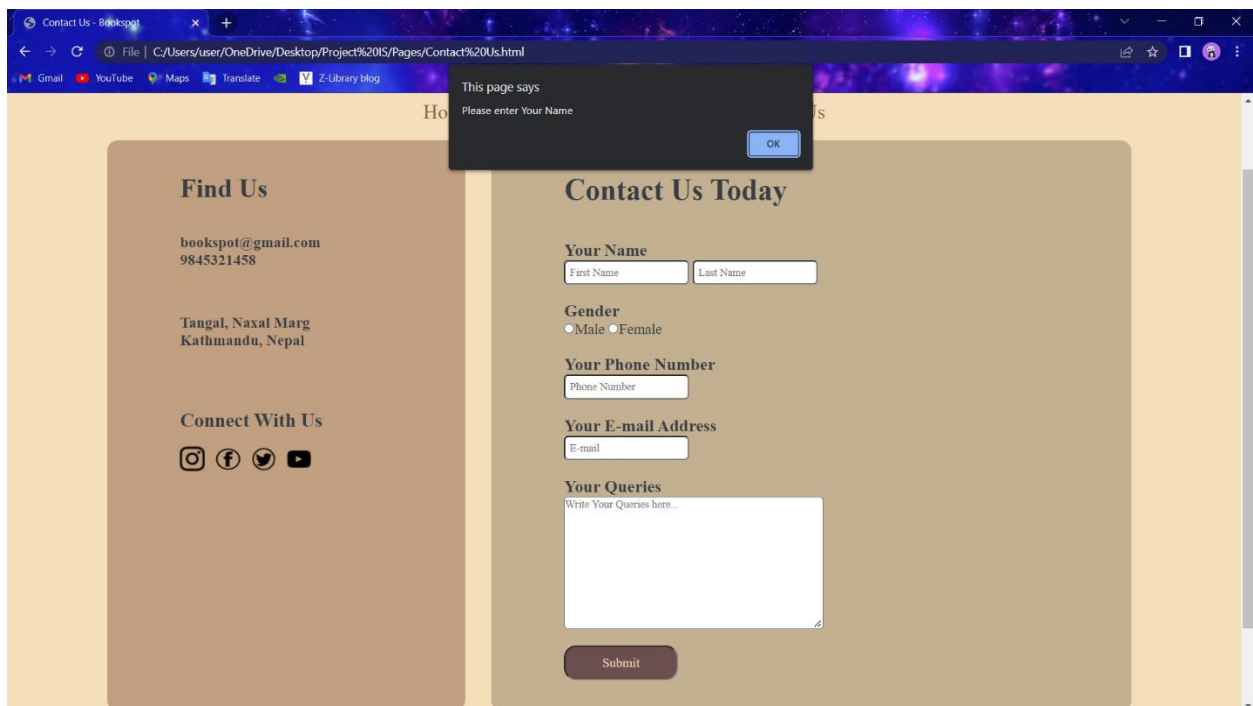
Figure 11: After Test 1

Test 2: To display an image slider in the website

Objective	Displaying an image slider in the website
Action	After opening the webpage, we wait for few seconds to check whether the images changes or not.
Expected Result	The image in the displayed box must change after dew seconds.
Actual Result	The image in the box changes after few seconds.
Conclusion	The test is successful.

Table 2: Test 2 (Image Slider)
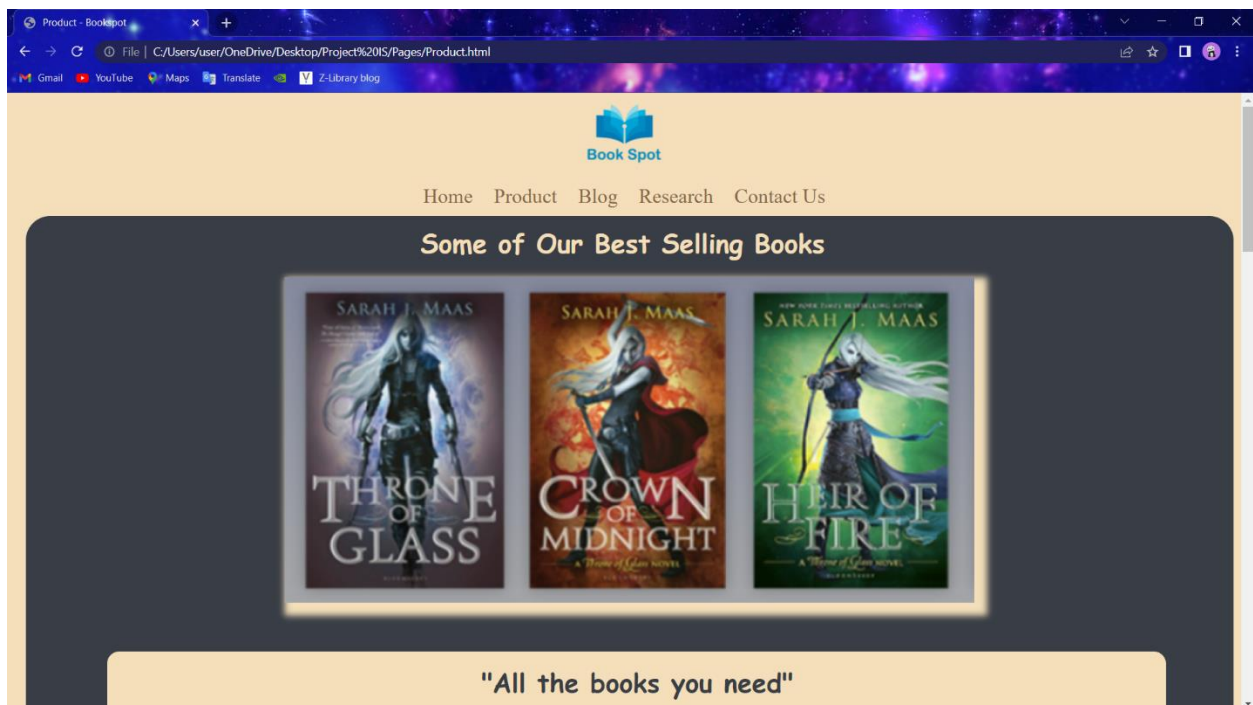
Figure 12: After Test 2.1 (Before Image Slider changes)

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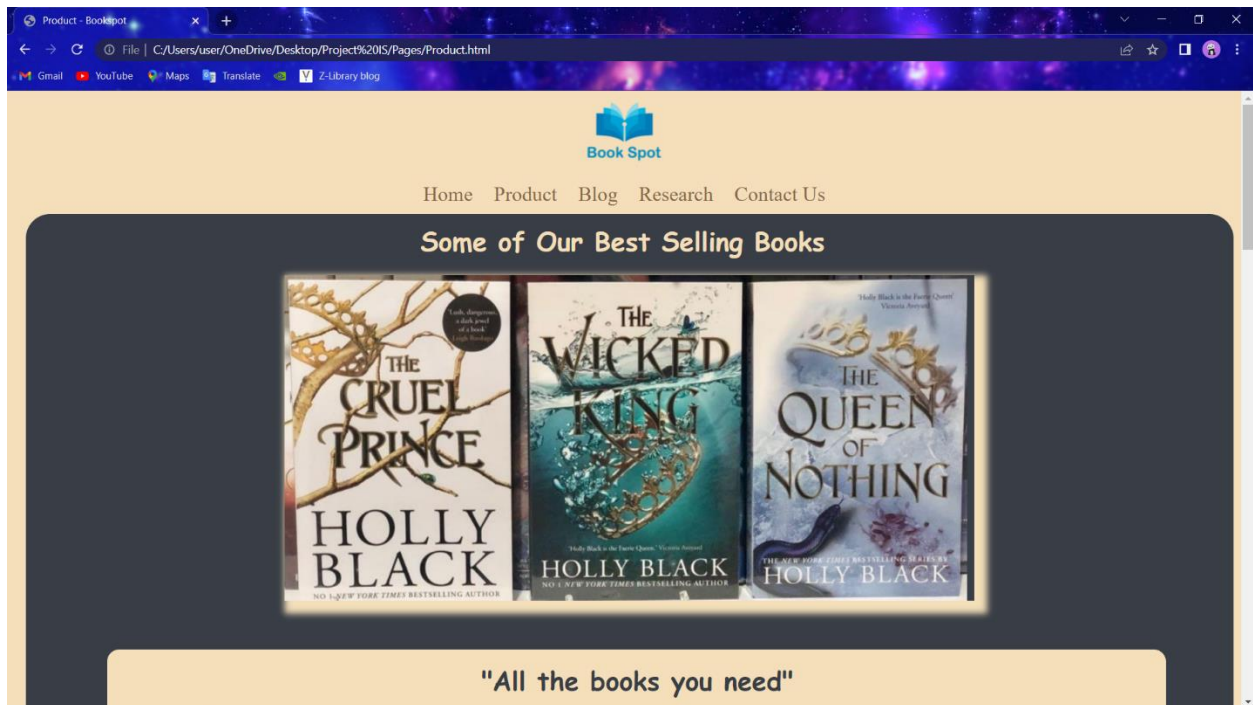
Figure 13: After Test 2.2 (After Image Slider Changes)

Test 3: To display the time in the webpage

Objective	Display the time in the webpage.
Action	The time is checked along with the actual date and time
Expected Result	The time must be up to date.
Actual Result	The time is up to date.
Conclusion	The test is successful.

Table 3: Test 3 (Time)
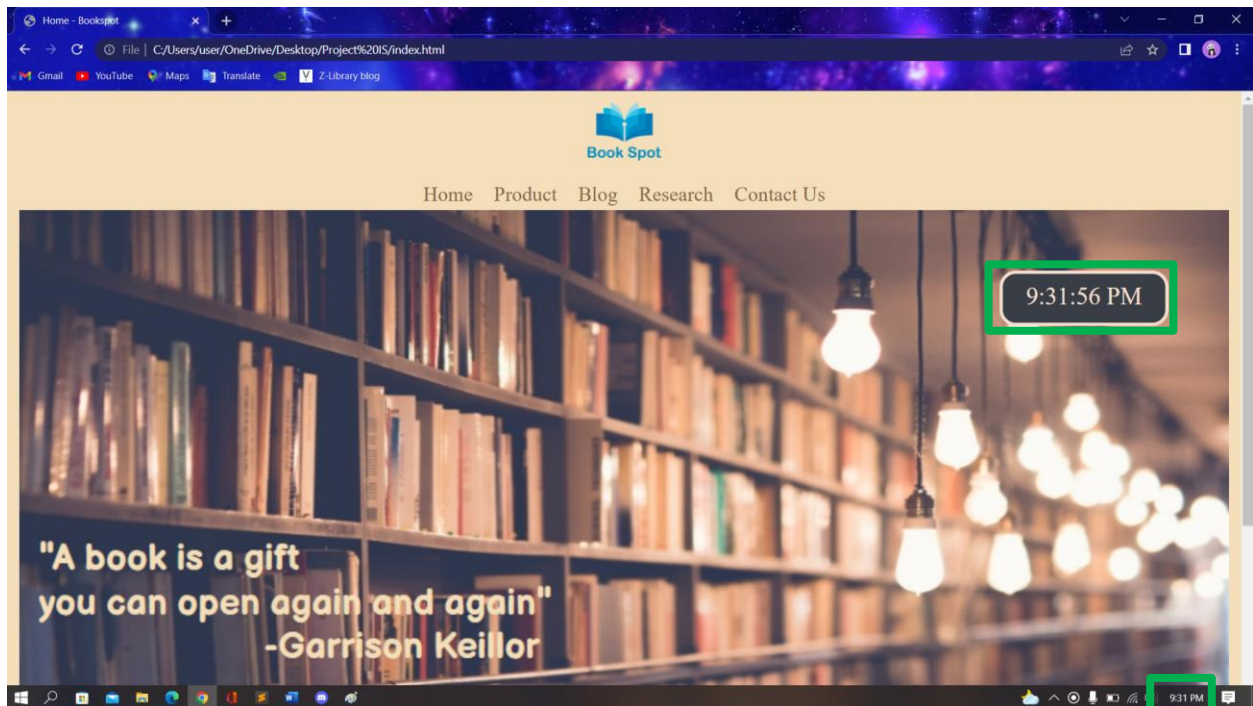
Figure 14: After Test 3

Test 4: To test the navigation bars hover effect

Objective	While hovering above the navigation menu, the color of the hyperlink changes
Action	Mouse cursor is hovered above the navigation menu.
Expected Result	The color of the hyperlink must change.
Actual Result	The color of the navigation menu changes.
Conclusion	The test is successful.

Table 4: Test 4 (Navigation Menu)
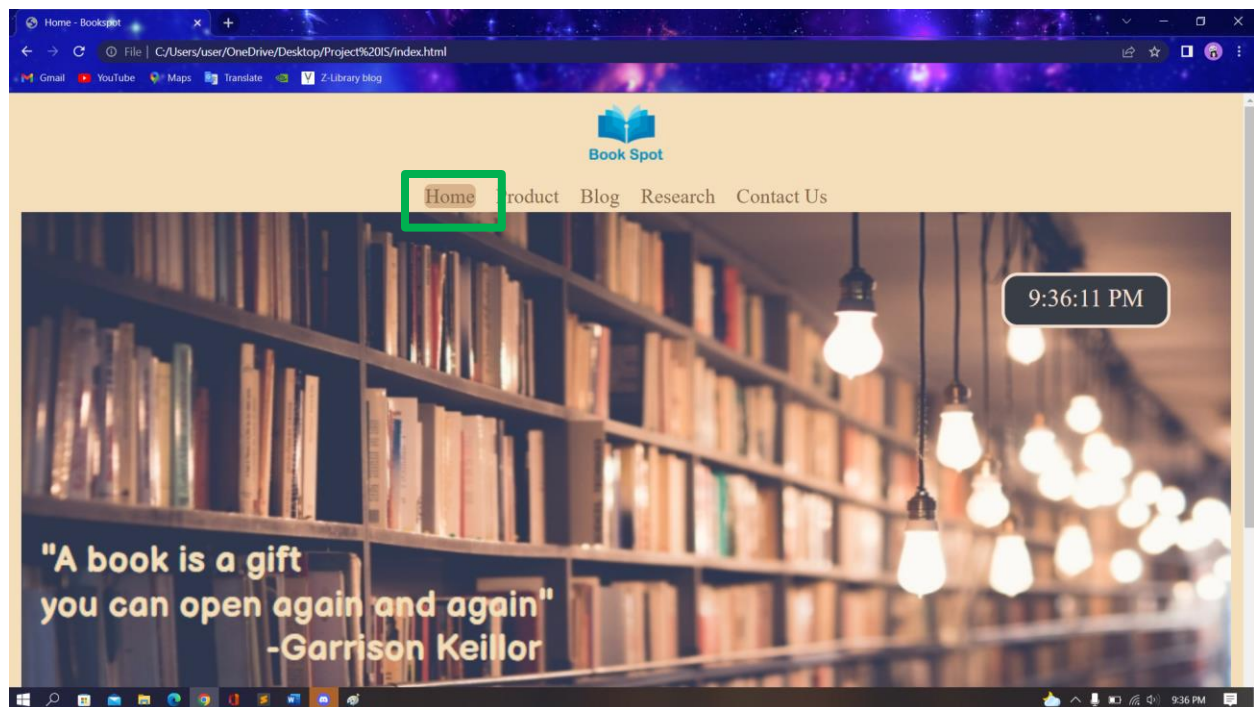
Figure 15: After test 4 (Hover effect)

Test 5: To test the external and internal links in the webpage.

Objective	To check if the anchor tag used links multiple pages in the website. (Both internal and external links)
Action	By clicking on the links which are on the webpage.
Expected Result	Must navigate from one page to another page.
Actual Result	All of the places where anchor tag is used is fully operational.
Conclusion	Test is successful.

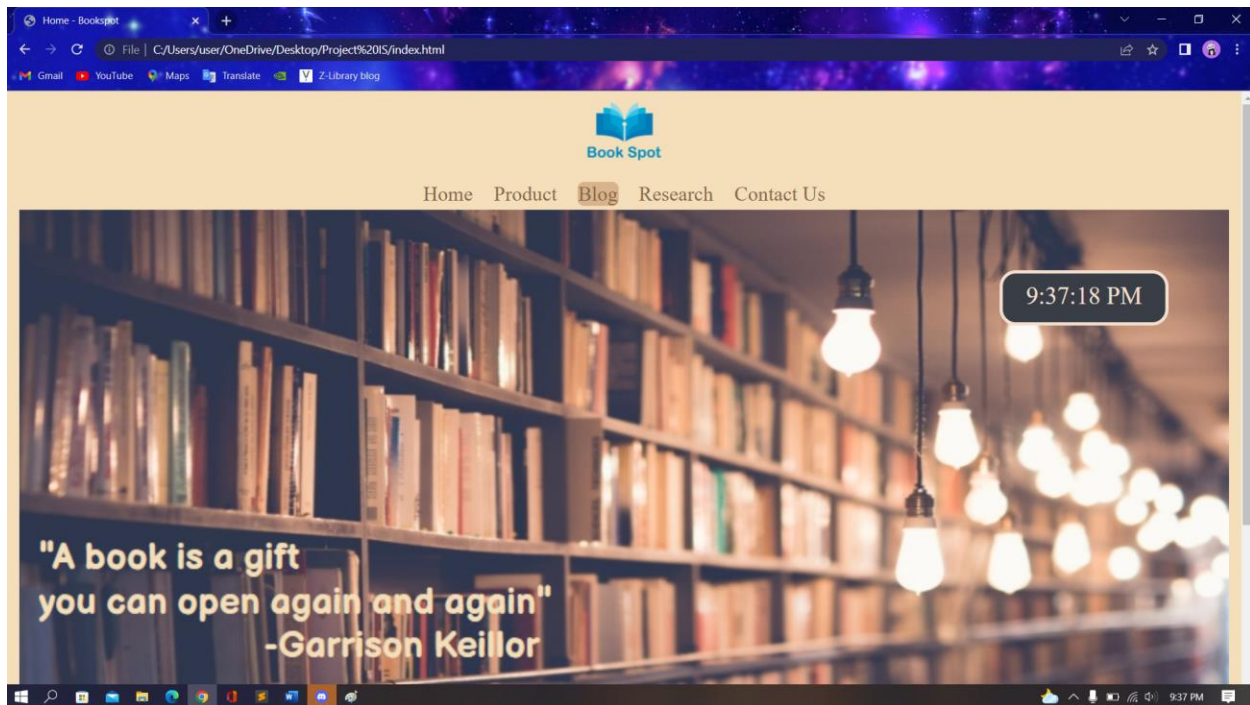*Table 5: Test 5 (Internal and External Links)*
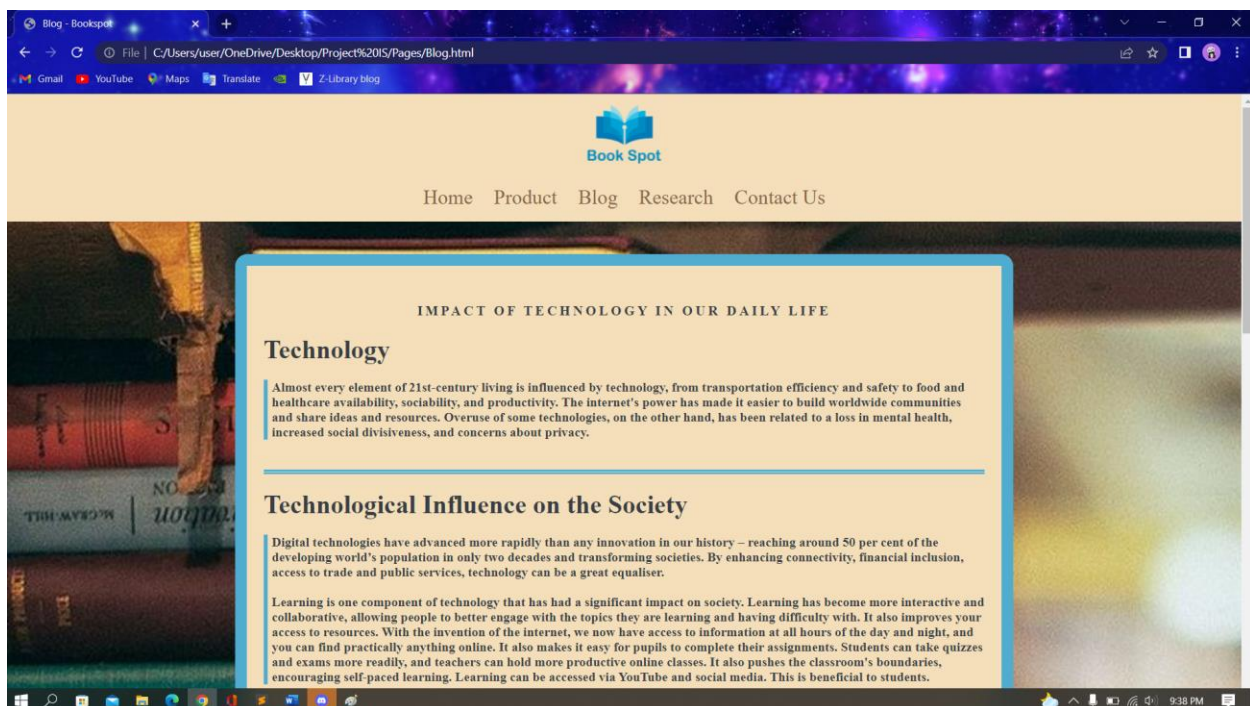
Figure 16: Before clicking on the Internal Link

Figure 17: After clicking on the Internal Link

Figure 18: Before clicking on the external link

Figure 19: After Clicking on the external link

Conclusion

The following coursework has helped us in learning and understanding a great deal about web design. The field of creating a website was new ground. There was a lot of new things that were new to us while doing the coursework. Using proper CSS and using JavaScript was completely new and never done before. The coursework was completed successfully after much research and study on the subject.

The development of a website was about of an e-commerce website for a store which sells various books. Here for the development of the website several websites were viewed for inspiration and reference. Also, in order to create a well-structured website, essential materials like proper color combination, background images, pictures, etc were obtained from the internet itself. The project not only helped us get familiar in understanding of HTML codes, CSS and use of JavaScript but also showed us a future in web designing.

The task to create a website may sound simple. But this project for us is newly introduced. So, after a lot of queries and confusion we were able to complete the project. The study work helped us in learning the website's components and operations. Yes, the internet assisted us in our understanding of web design, but it was also with the support of our mentors and a few friends that the subject got clearer. While doing the project, we learned how to utilized various tags in order to make a website seem great. Also, via this project we learned how to utilize our time for the specific tasks, which will also be beneficial for our professional life.

After many research, design thinking, effort, and time allotted, the coursework was completed. The coursework has improved our skills and knowledge on Web Designing.

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Appendix

4/4/22, 9:18 AM   CW3
Originality report

COURSE NAME
CC4057NI - Introduction to Information Systems
STUDENT NAME
Rohit Ratna Shakya Computing
FILE NAME
CW3
REPORT CREATED
4 Apr 2022

Summary

Flagged passages	2	2%
Cited/quoted passages	1	0.5%

Web matches coursehero.com	1	2%
wikipedia.org	1	0.5%
cluemediator.com	1	0.3%

1 of 3 passages

Student passage   FLAGGED

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…

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Top web match

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…
Coursework Cover Page (London Met) (For all Multimedia Modules
... https://www.coursehero.com/file/77813162/Coursework-Cover-Page-London-Met-For-all-MultimediaModules-1docx/

---

2 of 3 passages
Student passage   CITED

https://classroom.google.com/g/sr/NDQxMjQ2Nzc2Mzgw/NDY4MTU3NzIyNDA5/19N1R vYkfBxcsAcikOohIGlceoSInVVz2dJv3KUBra8s 1/2 4/4/22, 9:18 AM CW3
Hypertext Markup Language 5 (**HTML5) is a markup language used for structuring and presenting** in
World Wide Web (www). HTML5 also supports HTML and XHTML syntax…

Top web match
HTML5 is a markup language used for structuring and presenting content on the **World Wide** Web. It is the fifth and final major HTML version that is a World Wide ...
HTML5 - Wikipedia https://en.wikipedia.org/wiki/HTML5

---

3 of 3 passages
Student passage   FLAGGED

Must **navigate from one page to another page**.

Top web match
Today we will teach you how to **navigate from one page to another page** in ReactJS. There are multiple ways to redirecting from one component to another component in ReactJS.
Navigate from one page to another page in ReactJS - Clue Mediator
https://www.cluemediator.com/navigatefrom-one-page-to-another-page-in-reactjs

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https://classroom.google.com/g/sr/NDQxMjQ2Nzc2Mzgw/NDY4MTU3NzIyNDA5/19N1R vYkfBxcsAcikOohIGlceoSInVVz2dJv3KUBra8s 2/2

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