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*I confirm that I understand my coursework needs to be submitted online via Local Server 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

This coursework is of 'Information System' module which is related about designing and developing an e-commerce website. This coursework is based on developing an ecommerce website, so we must use the technologies like HTML5, CSS3 and JavaScript with proper tags, image mapping, tables and forms attributes. I had created an e-commerce website named "Syangbo Music Store" for a music shop. This website holds almost every information and details about the shop.

Creating an e-commerce website using different technologies is not an easy work. It required a lot of hard works, research and guidance which helps in tackling the problems that may occur while developing. This website is developed by using software "SUBLIME TEXT 3." As I had developed an e-commerce website which has the six web pages like home, product, order, blog, research and about. Every page contain was created using html, css and javascript where html gives basic structure of webpage, css enhances the basic structure by giving it proper styling, formatting and decoration and javascript controls the behavior of different elements, adds programming logic to the web pages. Some of the objective of making e-commerce website for music store are high reachability, customer satisfaction, increase in sales and growing business etc.

The advantages of creating the e-commerce websites in this project are listed below:

- Boost knowledge on technologies like html, CSS, and Java scripts
- Development of ability to apply scripting languages to web pages
- Increases the planning and designing knowledge
- Knowledge on basic internet technologies and the impacts of internet on business
- Knowledge on web development and its importance

## Discussion and Analysis

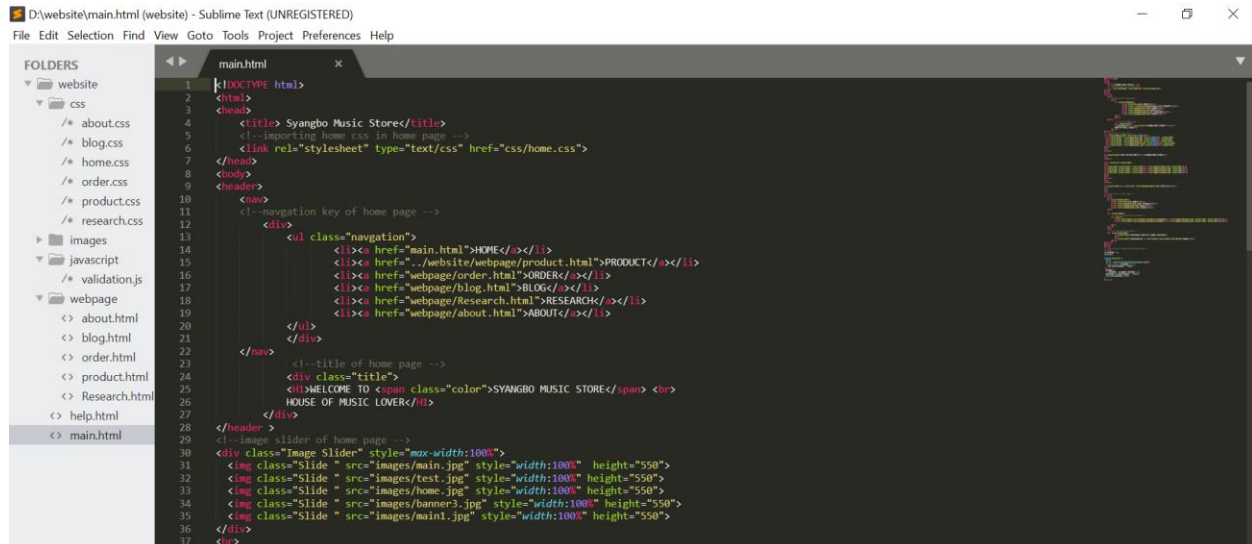
This project is about web development where we must develop an e-commerce website. This project has allocated several tasks, such as creating five different web pages using technologies like HTML5, CSS3 and JavaScript. And, the website must be compatible with the correct navigation bar; enabling the user to navigate through all parts of the website in full. Developing an e-commerce website using distinct technologies is not a simple task. I don't think this project had been completed, either, if I hadn't done it with my adequate attention. All the tasks were effectively finished with all my hard work and energy. The time I spent for creating the website was awesome and energetic. There is a great role of sublime text editor software for creating e-commerce website.

In the beginning, I had done a lot of research on html, css and javascript. Before creating website, I had set different goals and objectives to create a working e-commerce website on music store. I designed wireframes for all five page and start writing code on sublime text editor. While creating the web pages I had to face different problems. To tackle problems, I had taken help from my module leader, friend and seniors. While developing a project I used html to provide the fundamental structure of the web page, css to improve the fundamental structure by providing adequate design, formatting and decoration, and javascript to regulate the conduct of the distinct components, adds logic programming to the web pages.

I thought developing an ecommerce website would be each enough, but I was wrong. The problem that I face in this project was designing the webpages using CSS. In the beginning I could not make the pages like my designs. The header and footer of the entire page are produced the same to preserve the page's familiarity, depending on the module requirement. The main problem that I had faced while designing the e-commerce website was form validation using JavaScript for making form validation it takes two days' time and a lot of research. This project helps me a lot to gain knowledge on web development. I am glad to complete this coursework which was helpful for me.

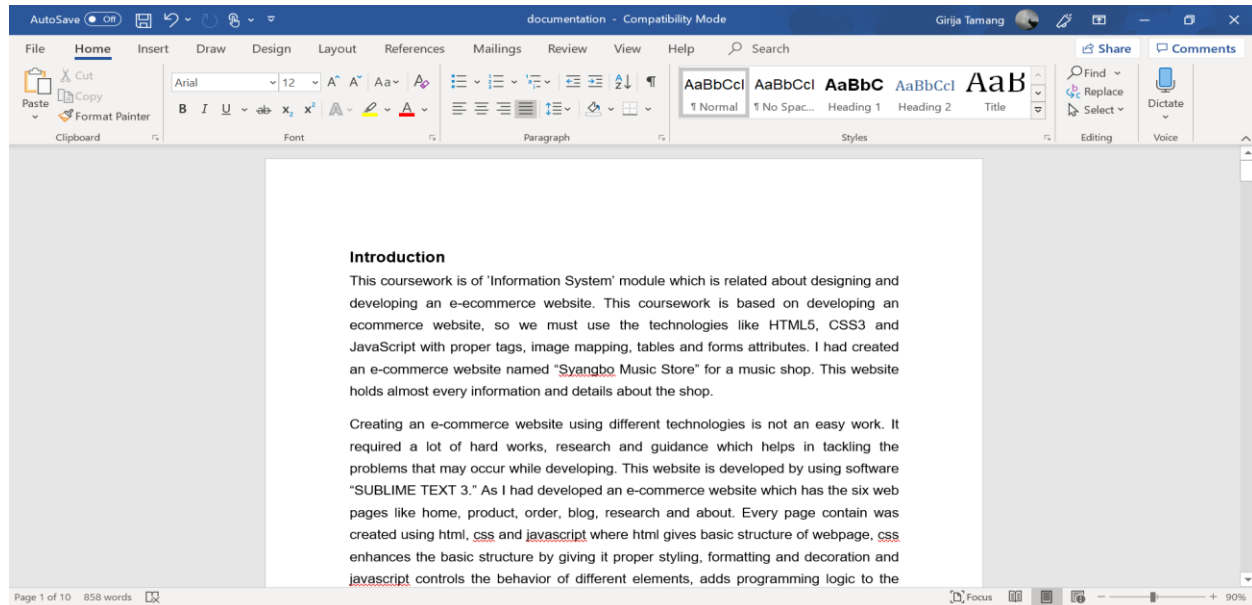
Tools that are required for developing this coursework.

## 1.Sublime Text 3



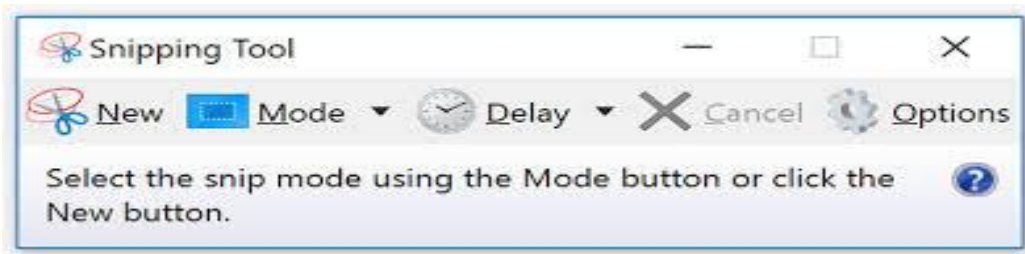
Sublime Text 3 is an amazing piece of software. It's a clean, functional, and quick code editor to begin with. It not only has amazing characteristics integrated into it (multi-edit and vim mode), but it also supports plugins, snippets, and much more (Code, 2013).

## 2.MS WORD



Microsoft Word is a word processor released by Microsoft, sometimes called Winword, MS Word, or Word. It is one of Microsoft Office's productivity apps. Microsoft Word enables you to generate records, reports, letters and abstracts of professional quality. Microsoft Word has features such as spell checking, grammar checking, text and font formatting, HTML support, image support, advanced page layout, and more (Ballew, 2017).

### 3.Snipping Tools



Snipping Tool is a screenshot tool included in Microsoft Windows which can take screenshots of an open window, rectangular regions, a free-form region, or the whole screen. Snipping Tool enables fundamental snapshot image editing with various colored pens, an eraser, and a highlighter (Computer Hope, 2018).

## Wireframes

The wireframe is a black-and-white line drawing used in early-stage web design to provide stakeholders with a visual representation of the web page layout and information architecture. It is the most significant and prominent design instrument used to present the website's suggested functions, structure and content, showing how the website looks and what characteristics to add to it.

## Home Page

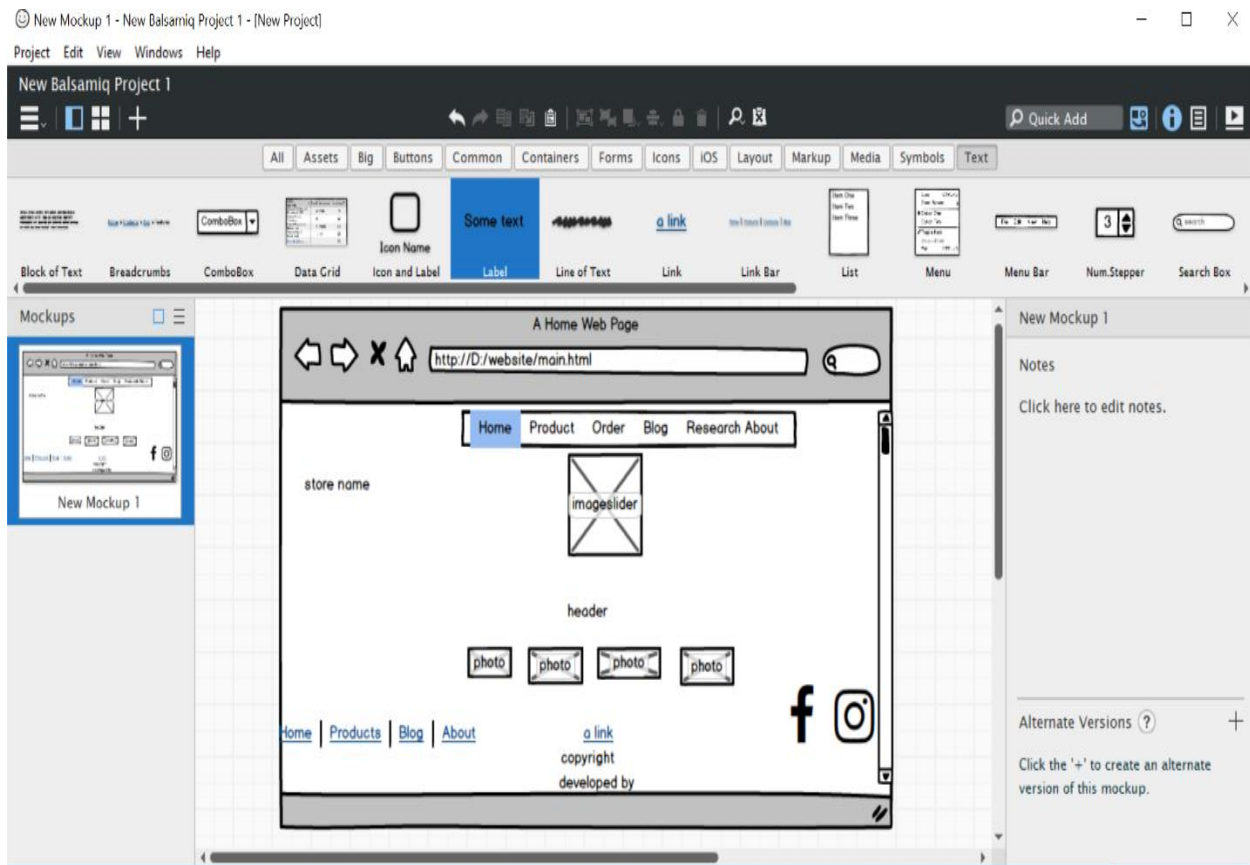


Figure 1: Wireframe of homepage



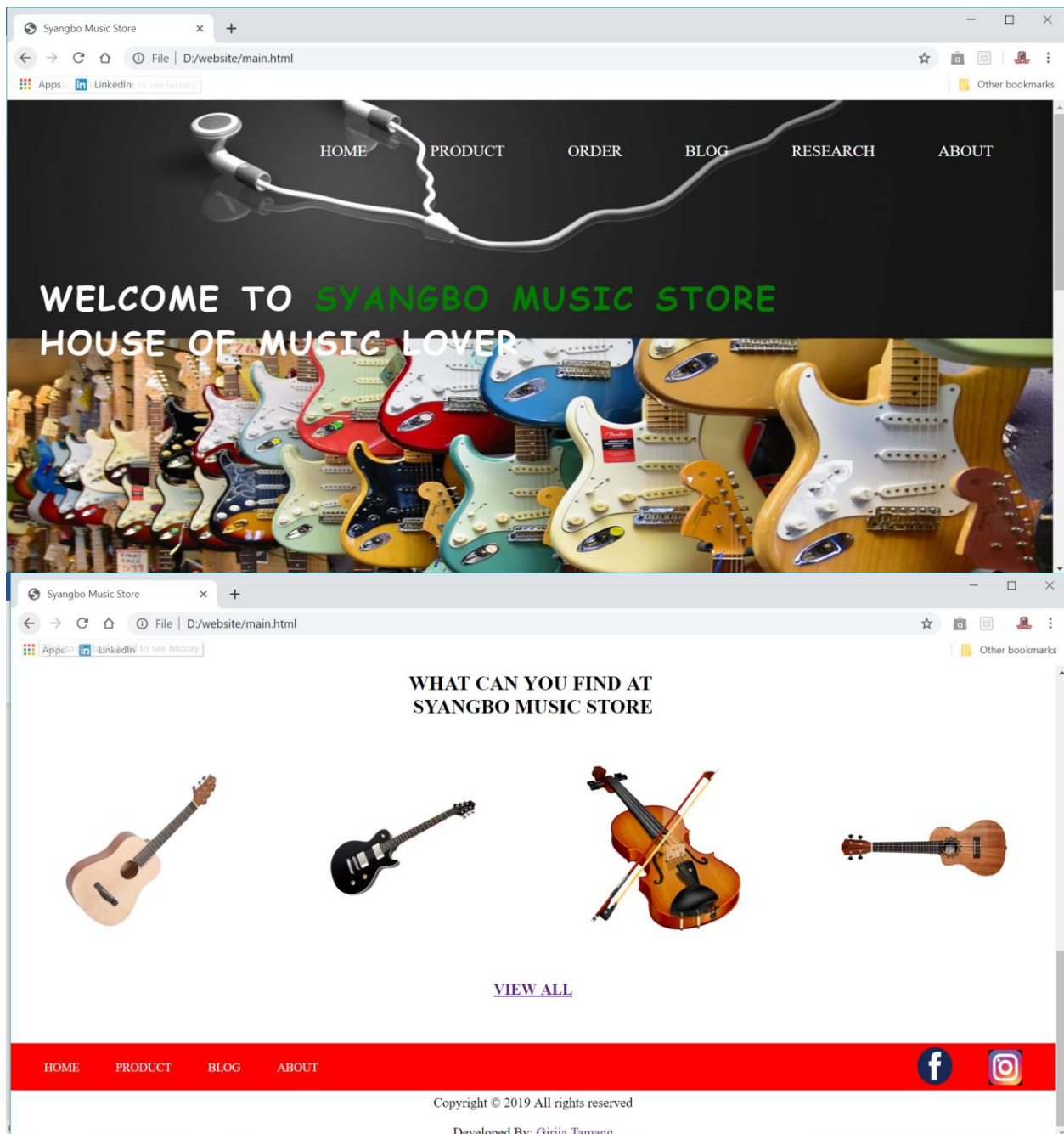


Figure 2: Home page

## Product Page

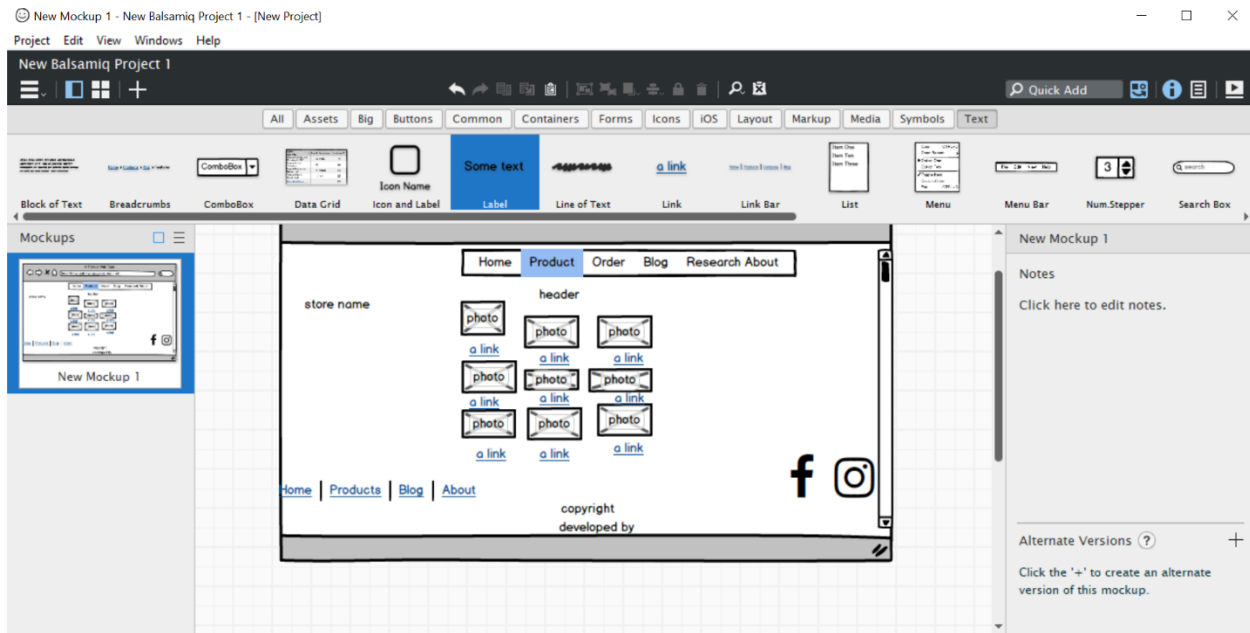
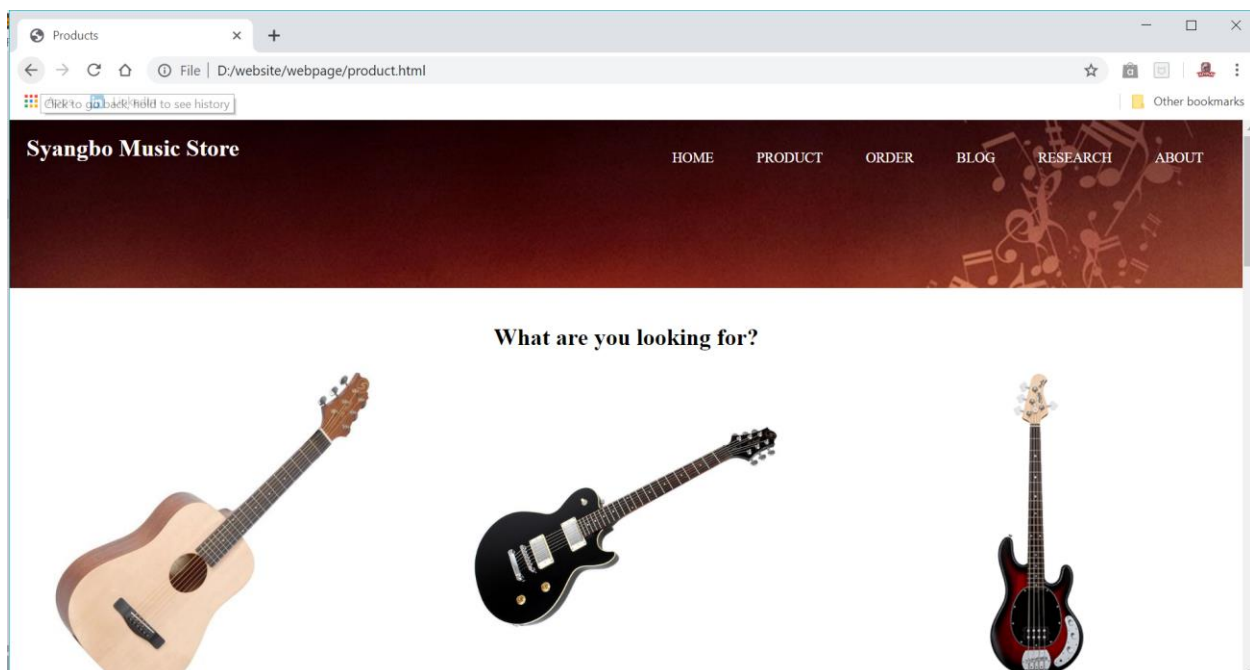


Figure 3: Wireframe of product webpage.



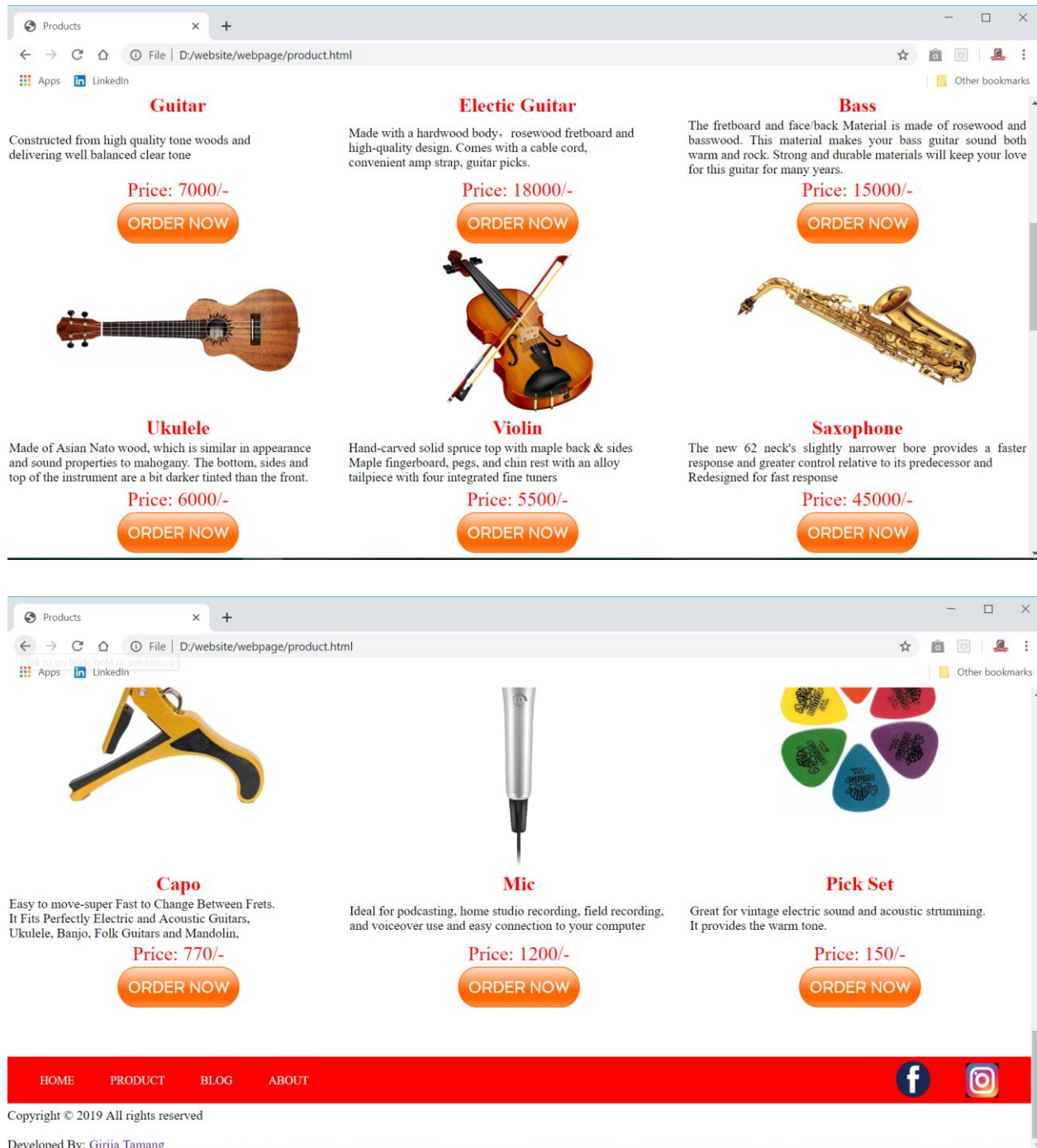


Figure 4:Product Page

## Order Page

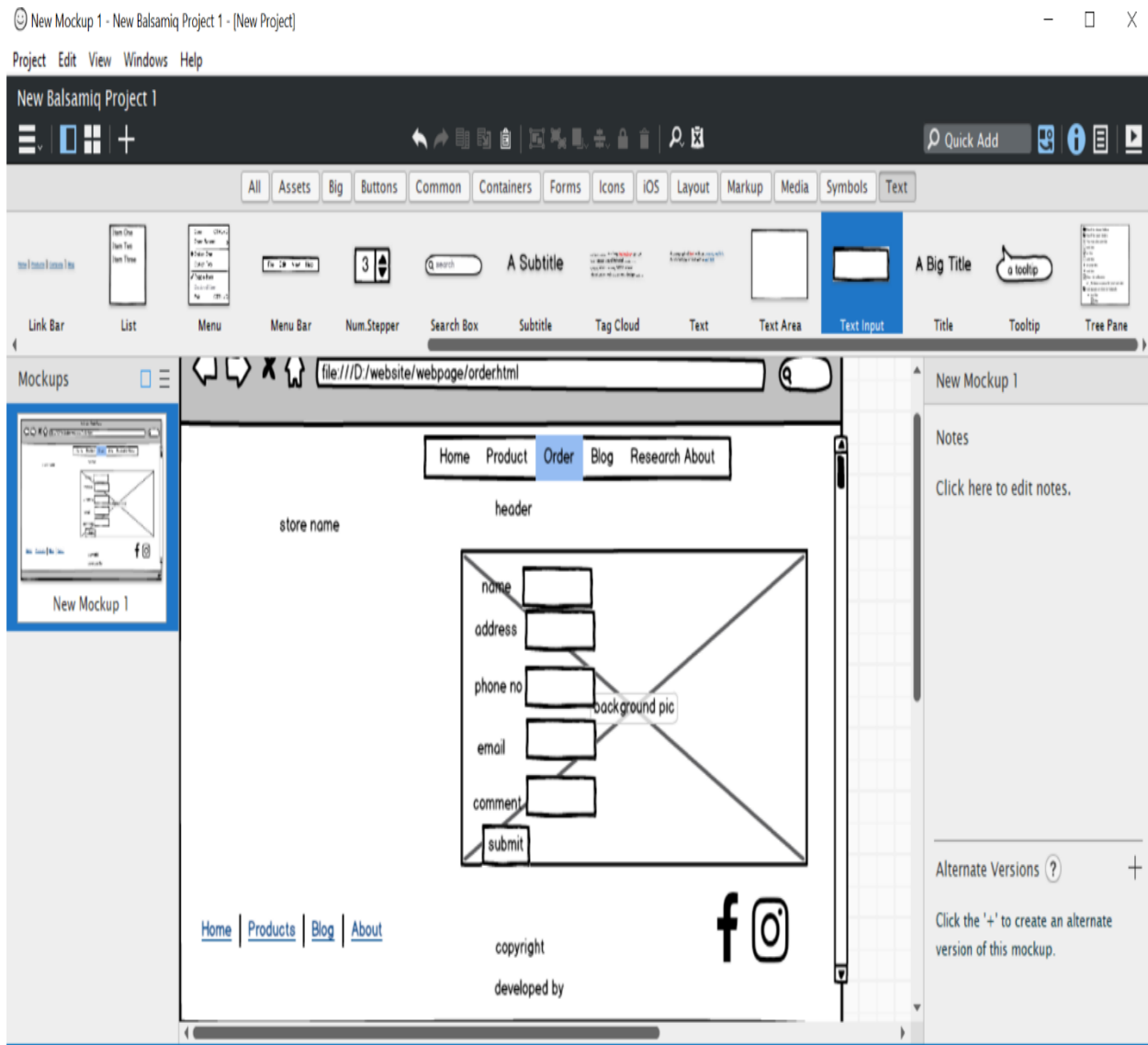


Figure 5: Wireframe of Order webpage.



The image shows two screenshots of a web browser displaying the 'Syangbo Music Store' order page. The browser's address bar shows the file path 'D:/website/webpage/order.html'. The page has a purple header with the store name and navigation links: HOME, PRODUCT, ORDER, BLOG, RESEARCH, and ABOUT. The main content area features a background image of an acoustic guitar against a textured wall. A large orange form is centered on the page with the heading 'Please Fill Out The Form To Order'. The form contains the following fields and values:

Field	Value
NAME:	Girija Tamang
ADDRESS:	Dharan-15
PHONE NUMBER:	9811780224
EMAIL ID:	girija@gmail.com
COMMENT:	Message

Below the form is a 'Submit' button. The second screenshot shows the same page but with the 'COMMENT:' field and its value 'Message' partially obscured by a large orange rectangle. At the bottom of the page, there is a red footer with navigation links (HOME, PRODUCT, BLOG, ABOUT), social media icons for Facebook and Instagram, and copyright information: 'Copyright © 2019 All rights reserved. Developed By: Girija Tamang'.

Figure 6: Order Web Page

## Blog WebPage

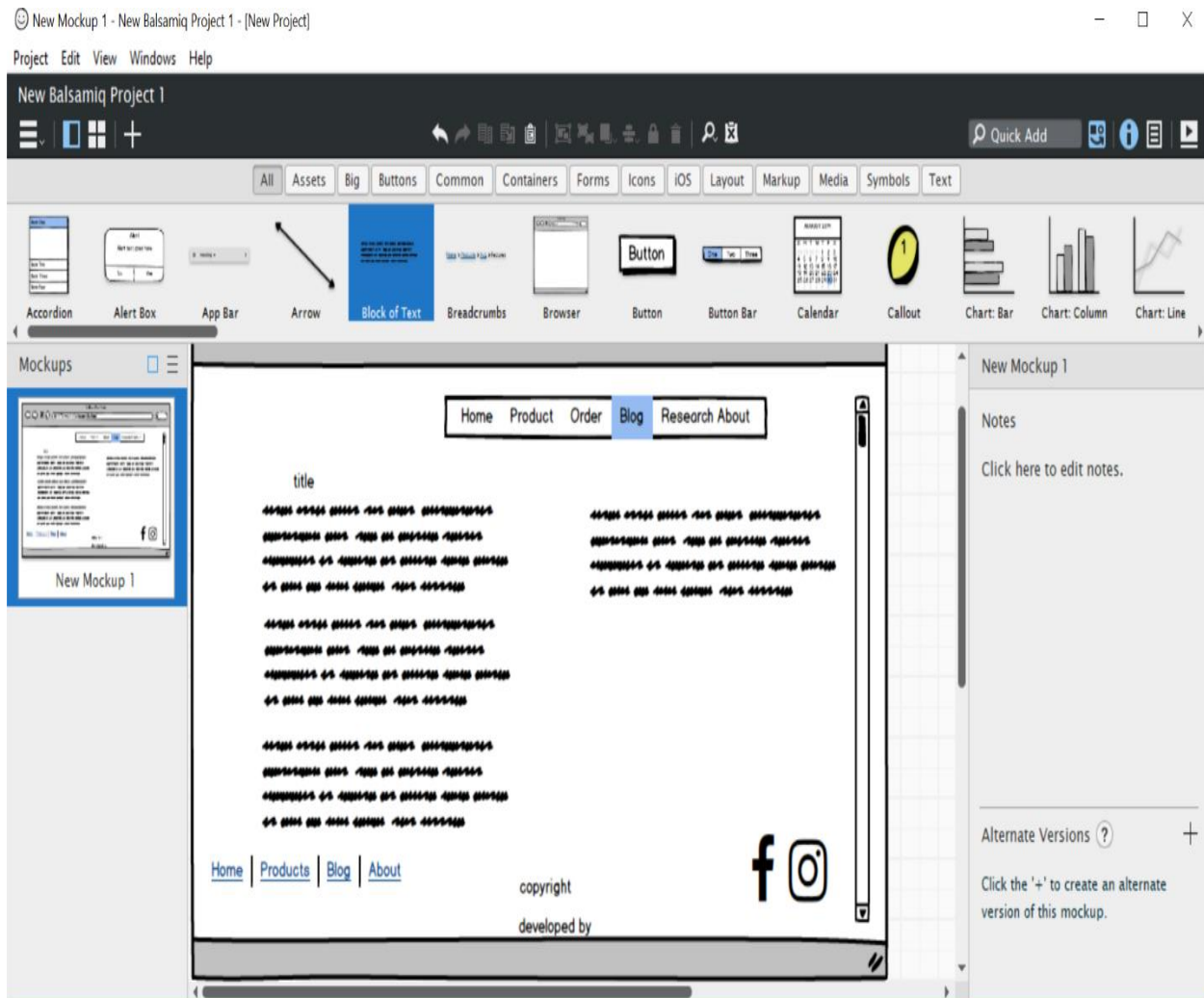


Figure 7: Wireframe Of Blog WebPage

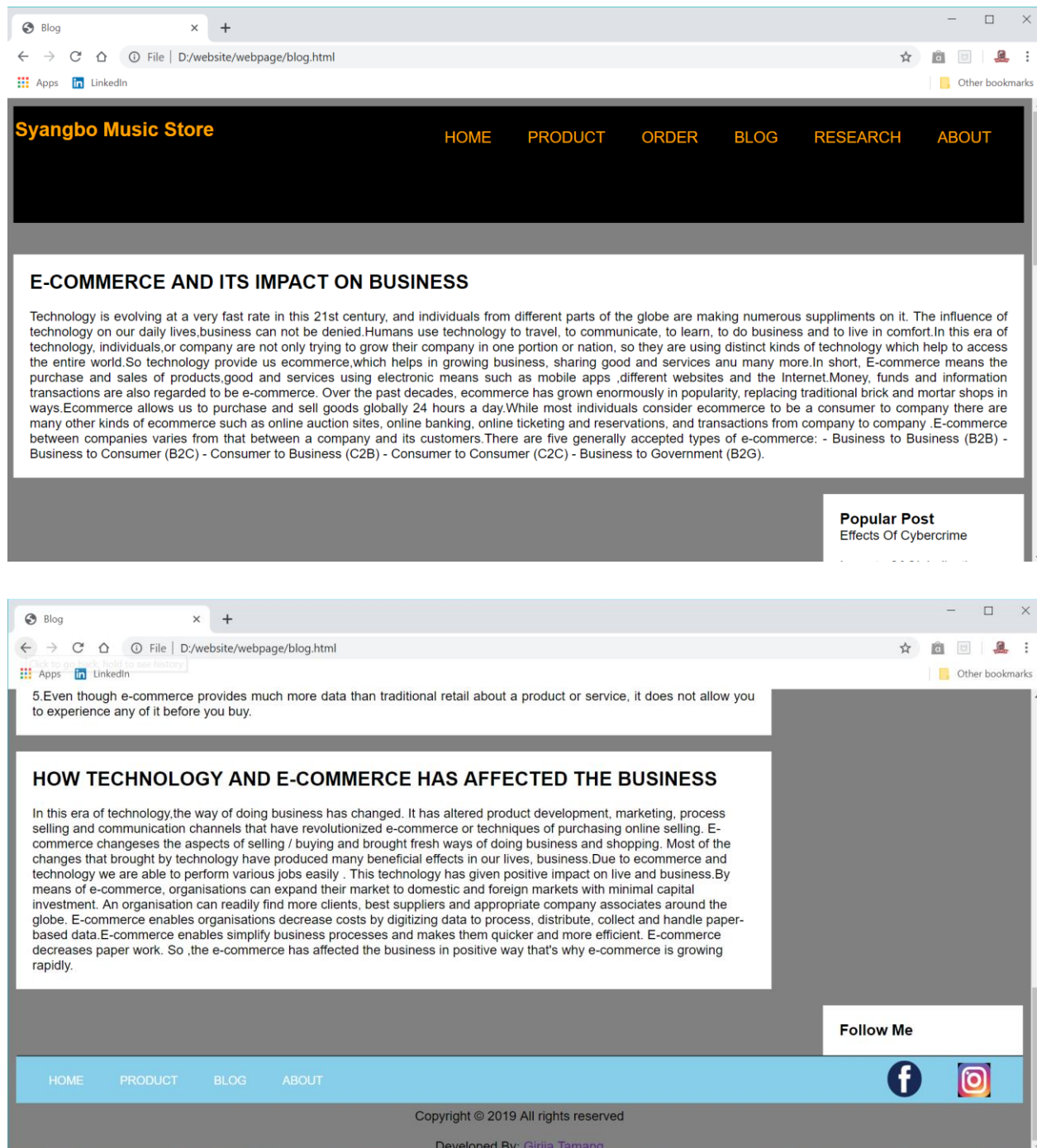


Figure 8: Blog WebPage

## Research Web Page



Figure 9: Wireframe Of Research web page



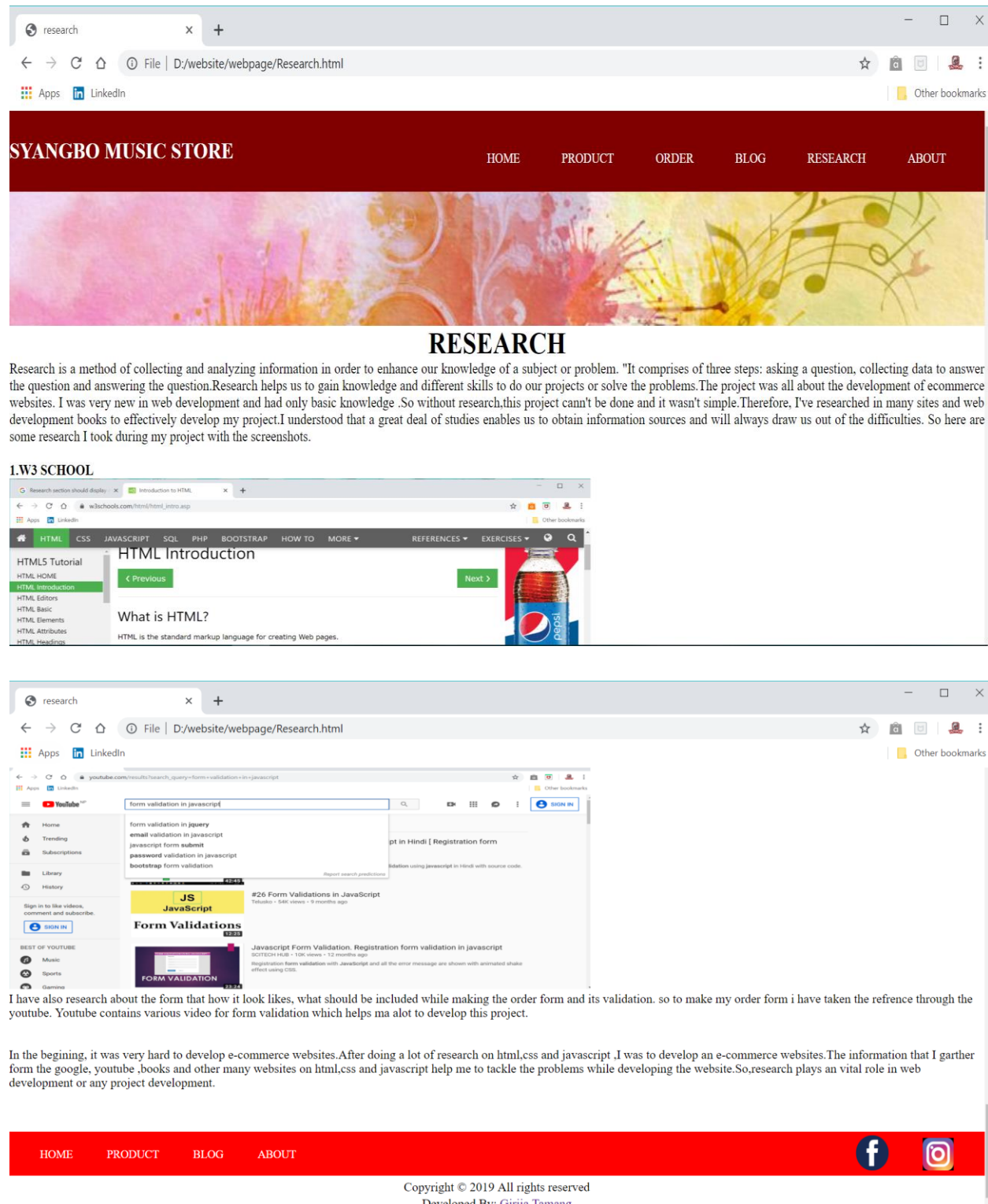


Figure 10: Research WebPage

## About Web Page

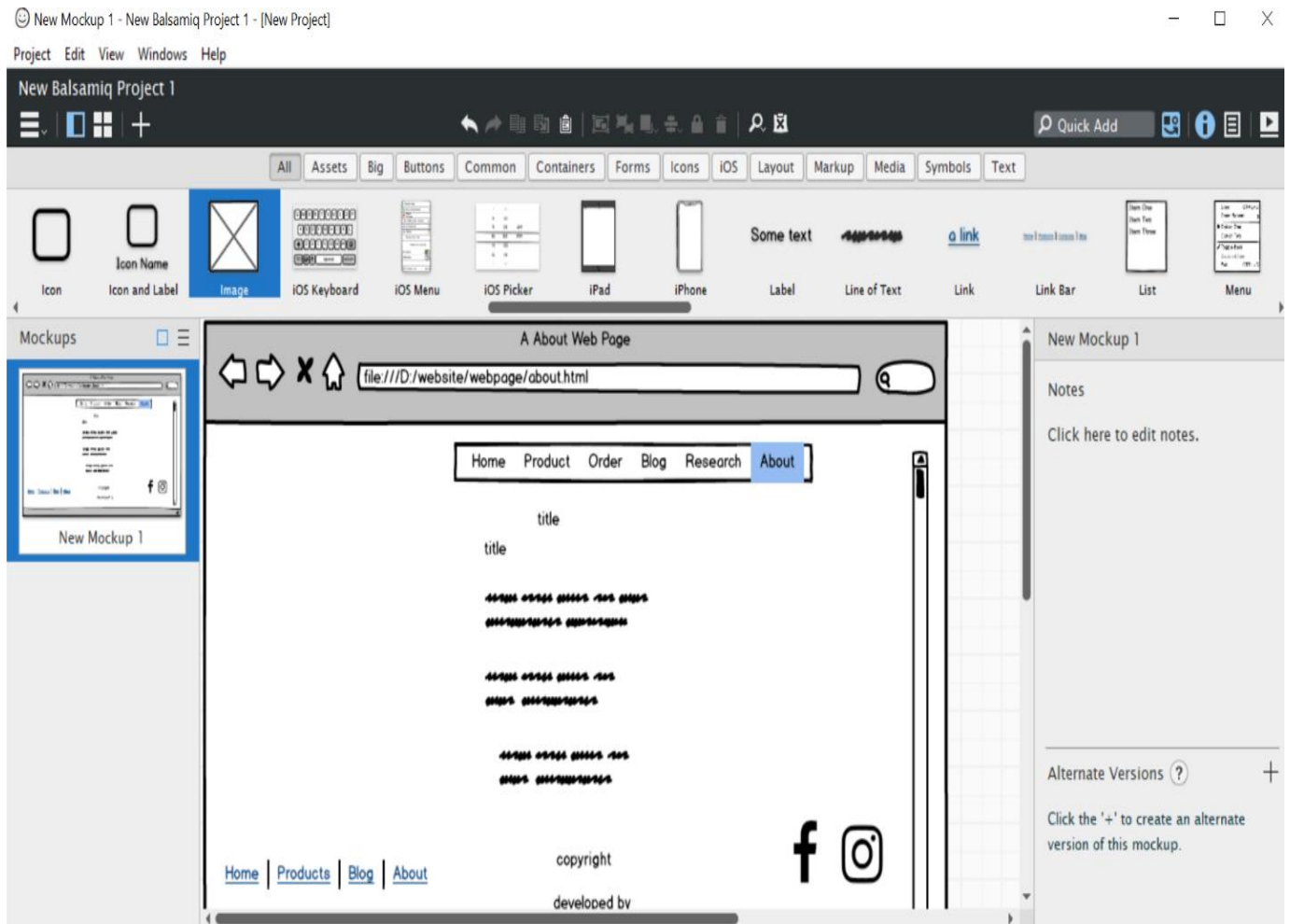


Figure 11: Wireframe Of About WebPage

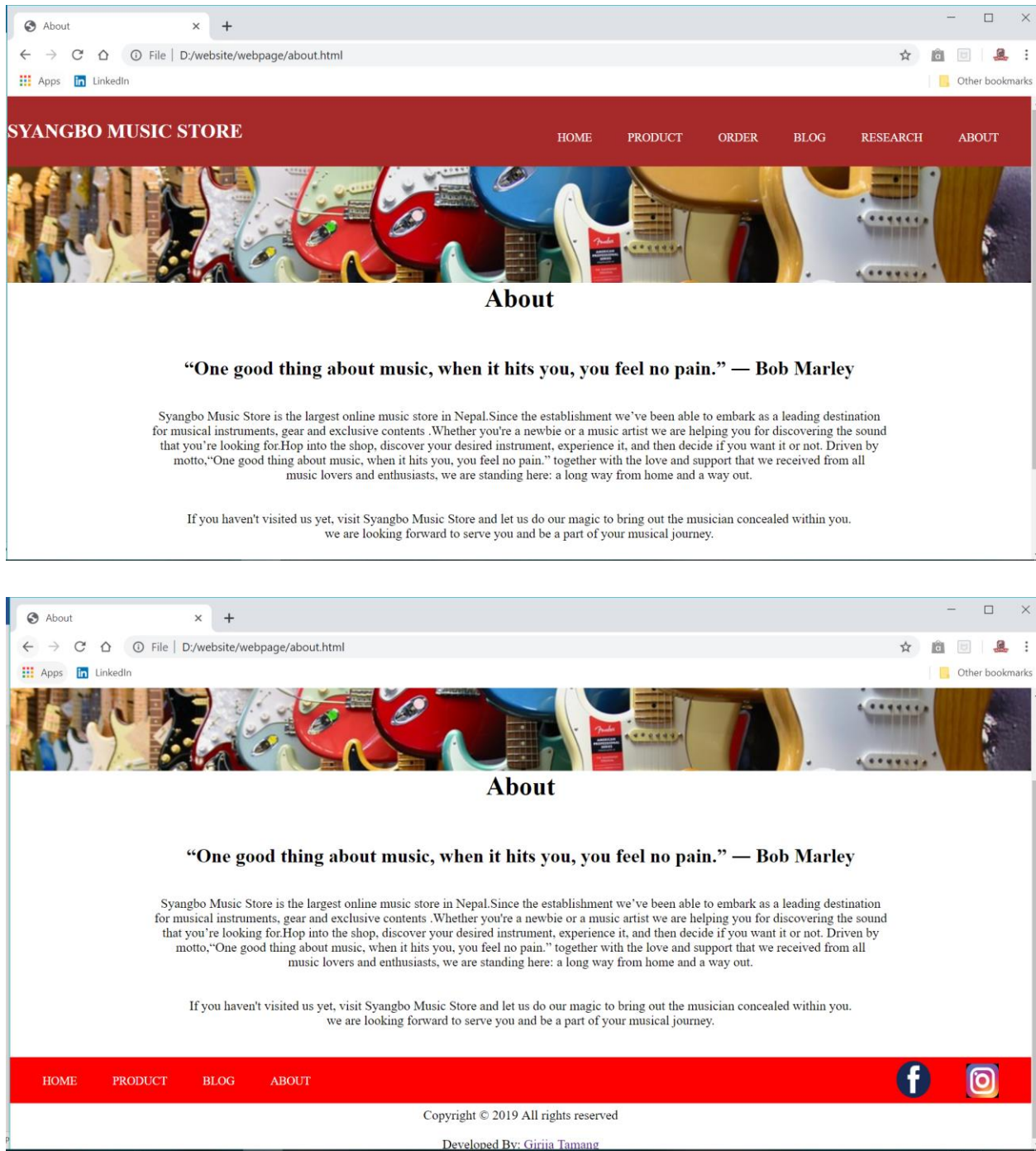


Figure 12: About webpage

## Testing

After the completion of webpages, it must be tested whether it is made correct or not. Testing is very important stage in the process of development of websites. It enables us to point out our errors which helps us in the corrections. The stepwise procedure of testing is shown below:

### Test 1: Checking whether navigation key works or not

Objective	Checking whether navigation key works or not
Action	when product nav key is clicked
Expected Result	The product webpage should open
Actual Result	The expected result came
Test Result	Test successful

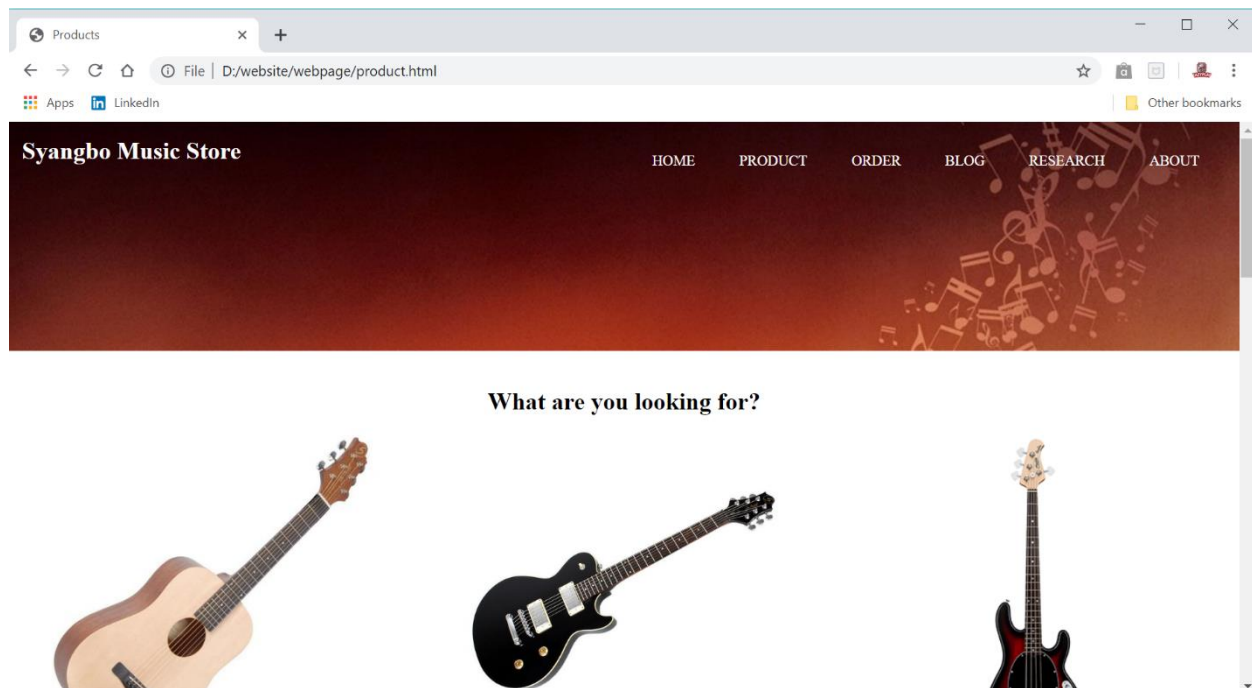


Figure 13: Testing Navigation key



**Test 2: check whether JavaScript form is working or not**

Objective	To check whether JavaScript form is working or not
Action	While ordering any items, the order form was filled up with text in phone number
Expected Result	The form should take the text input and show the error messages
Actual Result	The error message shown
Test Result	Test done successfully

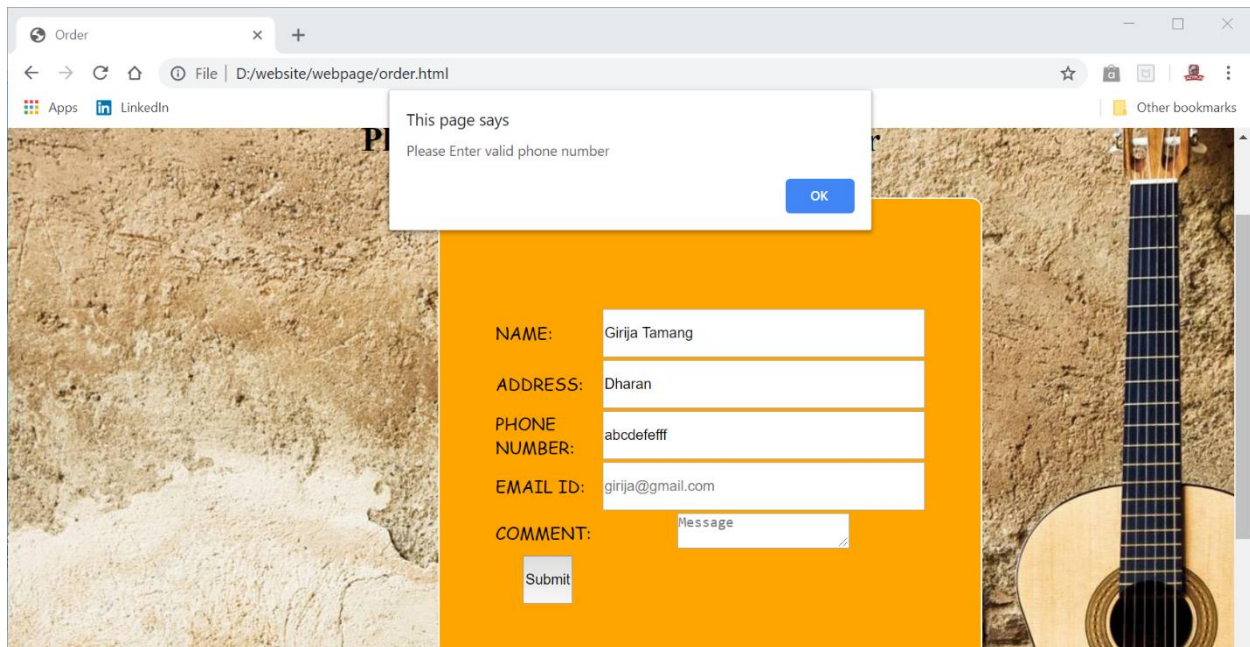
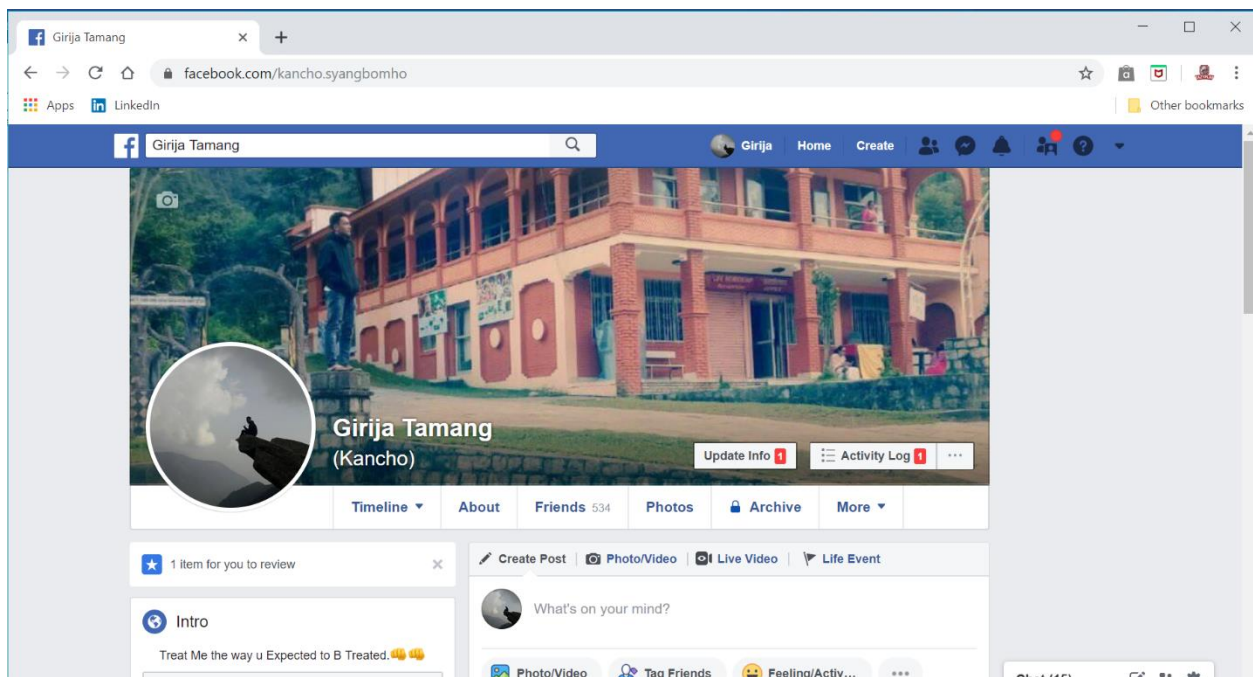


Figure 14: Testing Error message

**Test 3: check whether the link such as Facebook, Instagram is working or not**

Objective	To check whether the link such as Facebook, Instagram is working or not
Action	After clicking on the images of Facebook, fakebook page should open.
Expected Result	Facebook page should open.
Actual Result	Same as expected result
Test Result	Test successful

*Figure 15: Testing Links*

**Test 4: check whether the product that is ordered is submitted carefully or not**

Objective	To check whether the product that is ordered is submitted carefully or not
Action	After perfectly filled the order form and clicked submit button
Expected Result	The suitable message should be displayed for the success of order
Actual Result	The suitable pop-up message displayed
Test Result	Test was successful

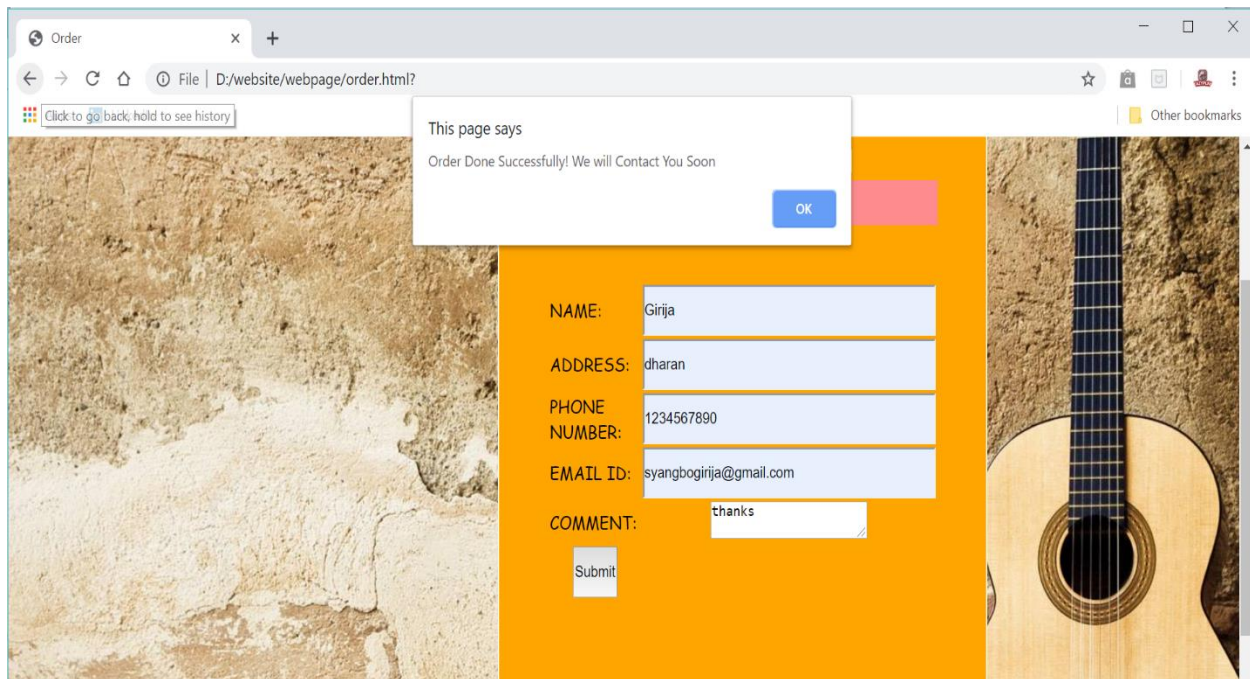
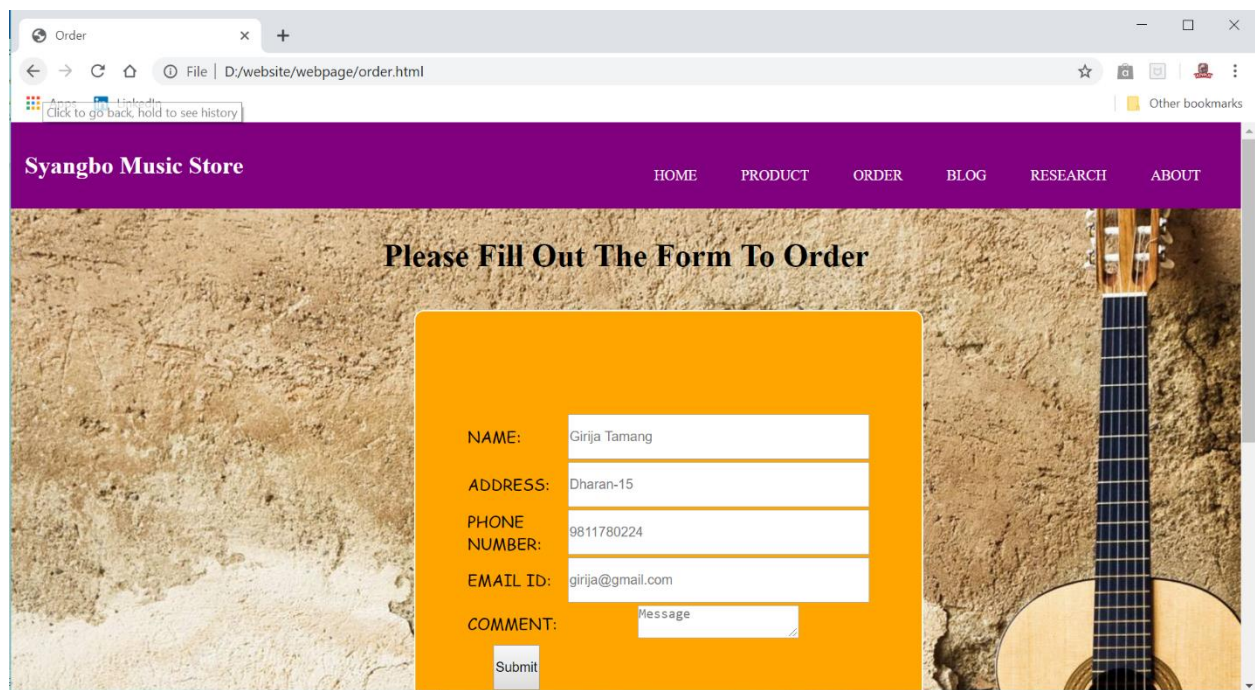


Figure 16: Testing form validation successful or not

**Test 5: check whether link of buy is properly working or not**

Objective	To check whether link of buy is properly working or not
Action	Clicking buy link on product page
Expected Result	Order form should open
Actual Result	Order form opened without any error
Test Result	Test successful



The screenshot shows a web browser window with the address bar displaying "D:/website/webpage/order.html". The page has a purple header with the text "Syangbo Music Store" and navigation links: HOME, PRODUCT, ORDER, BLOG, RESEARCH, and ABOUT. The main content area has a background image of a guitar and a textured wall. A yellow box in the center contains the text "Please Fill Out The Form To Order" and a form with the following fields:

- NAME:
- ADDRESS:
- PHONE NUMBER:
- EMAIL ID:
- COMMENT:

A "Submit" button is located at the bottom of the form.

*Figure 17: Testing Order link*



## Conclusion

Due to adequate planning, appropriate design, proper attention and a lot of research the project has been finished successfully. If I look back at the creation journey to e-commerce website on “syangbo music store”, it wasn't simple enough. The HTML, CSS and JavaScript were simple, but it was very difficult to execute and create a correct design and layout of the website. JavaScript gave the main problem while developing the website. After doing research, take help from seniors, friends I was able to tackle the problem and create stunning e-commerce website.

This module assisted me to develop my various abilities and helped me show my weakness and experience to improve the weakness. This project helps me a lot in increasing my report writing skills, documentation that will be helpful in my further studies. This project helps me to gain knowledge on web development and I was able to make e-commerce website. It gives me knowledge on new technology that will help in future and this sort of technology are growing in rapid pace. E-commerce is growing day by day it has best advantages and good impacts on business due of this we can grow our business all over the world.

With the assistance of this coursework, I've learned about HTML, CSS and JavaScript, and I've also improved my self-study and research abilities. Finally, I came to recognize that creating is a lot better than learning. Overall, it is discovered that Sublime Text is a significant instrument that enables us to create or develop this website. I've worked hard, and I've made my 100 percent effort to complete this coursework. Overall, it was enjoyable to do this work as I got chance to learn about new technology and its important.

## References

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[Accessed 25 August 2019].

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Available at: <https://www.computerhope.com/jargon/s/snipping.htm>

[Accessed 25 August 2019].