EC2106 WEB DEVELOPMENT

ASSIGNMENT II

Instruction
This is an individual assignment.

Due Date
14th April, 2023

Web Site Project

In this assignment, you are required to design, develop, and publish a web site using recommended design practices. Your web site will contain a home page and at least Three (but no more than four) content pages. You are required to create an external style sheet (.css file) that configures text, color, and page layout. (No font tags, embedded CSS, or inline CSS may be used.)

You are required to publish your project website to Internet by using any free web services. Required components of the pages include:

a) Appropriate meta tags
b) One page utilizing tables effectively to display tabular information
c) One e-mail hyperlink
d) One external hyperlink
e) Consistent banner logo area
f) Consistent main navigation
g) Association with external style sheet (.css file)
h) One Bonus Feature: Flash swf, YouTube video, CSS image gallery, or CSS Transition
i) One page containing a form with at least three elements
   (consider requiring student to use a free form processing service such as
   http://formbuddy.com)
j) Java scripts to enhance your website.

Task A: Project Milestones

Web Site Topic Approval: The topic of your web site must be approved by your lecturer. Using a word processor, prepare a one-page double-spaced written discussion of the following:

- What is the purpose of the site?
- What do you want the web site to accomplish?
- Who is your intended audience?
- What opportunity, problem, or issue is your site addressing?
- What type of content might be included in your site?
- List at least two related or similar sites found on the Web.

Note: Your lecturer must approve your topic before you may begin to work on the next phase.

Planning Analysis Sheet: Using a word processor, write a Planning Analysis Sheet that includes the following headings:

- Web Site Goal
- Describe the goal of your web site in one or two sentences.
- What results do I want to see?
- List the working title of each page on your web.
- What information do I need?

List where you will obtain the content (facts, text, graphics, sounds, video) for the web pages you listed above.

Site Map: Using a word processor, PowerPoint, or ruler and pencil, draw a flowchart (storyboard) of your web site that shows the hierarchy of pages and relationships between the pages.

Wireframe: Use a computer application to create a wireframe for a sample page on your web site that clearly shows the logo, navigation, content, and footer areas. Use a graphics application to create a wireframe and save as a .gif or .jpg file.

Project Update Meeting 1: You should have at least three pages of your site completed by this time. Unless prior arrangements to meet are made, the Project Update Meetings will be held during class lab time. Bring the following items to discuss with and hand in:

- The URL of your web site.
- Your FrontPage web (the source files of your web pages and images)
- A sketch of your page(s) that will utilize a table.
- Your site map (revise as needed).

Project Update Meeting 2: You should have at least six pages of your site completed by this time. They should be published to your web site on the Internet. Unless prior arrangements to meet are made, the Project Update Meetings will be held during class lab time. Prepare the following to discuss:

- The URL of your web site
- A sketch of your form
- Your site map (revise as needed).

Task B: Web Development

- Create a website as your design in Task A
  Publish to Internet BOTH Mozilla Firefox and Internet Explorer.

Task C: Presentation

Finish publishing your web site project to Internet. Be prepared to show your web site to the class, explaining the purpose behind each page / group of pages. Your web site project will be evaluated on the following criteria:

- Project Milestones
- Including all required web page elements
- Following recommended web site design practice (seehttp://terrymorris.net/bestpractices)
- Visual appeal of site to target audience
- Accomplishment of project's objectives

Deliverables

A hard copy of documents attached with Task and B.

Upload your HTML files and its related component to the Moodle under Assignment II.

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ASSIGNMENT II MARKING SCHEME

Project Topic Approval Rubric (5m)

	Outstanding 1 point	Developing ½ point	Needs Improvement 0 points
Website Name and Purpose	Clearly stated	Unclear	Missing
Intended Audience	Clearly described in terms of age, gender, interests, and socio-economic criteria.	Unclear or missing criteria	Missing or does not relate to the website purpose
Content	The type of text, graphics, and media needed for the website are clearly described.	Unclear or missing criteria	Missing or does not relate to the website purpose
Related or Similar websites	Listed two URLs of related/similar websites	Listed one URL of a related/similar website	Less than two URLs listed or the websites are not related/similar
Mechanics	Well organized, complete sentences, correct grammar and spelling.	Complete sentences, disorganized, less than three grammar/spelling errors.	Incomplete sentences, three or more grammar/spelling errors.

Planning Analysis Rubric (10m)

	Outstanding 2	Developing 1	Needs Improvement 0
Website Name / Goal	Clearly stated	Unclear	Missing
Page Titles	Lists the title of each page (between seven and eleven titles)	Lists more than four but less than seven titles	Lists less than five titles are listed.
Form	The use of a form in an appropriate manner is clearly described.	Unclear or inappropriate form use	Missing
Obtain Content	Lists at least four sources of content (facts, text, graphics, media)	Lists at least two sources of content	Lists less than two sources of content
Mechanics	Well organized, complete sentences, correct grammar and spelling.	Complete sentences, disorganized, less than three grammar/spelling errors	Incomplete sentences, three or more grammar/spelling errors

Site Map Rubric (21 Marks)

	Outstanding 4-6 points	Developing 2-3	Needs Improvement 0-2
Site Organization	The site is organized in an appropriate and usable manner.	Only one area of the site organization needs to be modified to result in a usable product.	Two or more areas of the site organization need to be modified.
Web Pages	Lists each web page (between 7 and 11 pages)	Lists more than four but less than seven pages	Lists less than five pages
Mechanics	--	Clearly labeled, readable	Unclear or not readable

Wireframe Rubric (20 Marks)

	Satisfactory 2-4 points	Needs Improvement 0-2 points
Logo Area	Present	Missing
Navigation Area	Present	Missing
Content Area	Present	Missing
Footer Area	Present	Missing
Mechanics	Organized, easy to read and understand.	Some improvement is needed in the organization and/or the document is not easy to read or understand.

Project Update 1 Rubric (21 Marks)

	Very Good 4-5	Developing 2-3	Needs Improvement 0-2
Page 1	Page demonstrates web design best practices, contains content of value to the target audience, and is published to the Web.	Page is published to the Web but does not follow one or more web design best practices and/or content needs some improvement.	Pages are not published to the Web or more than three web design best practices are not followed or content is not of value to the target audience.
Page 2	Page demonstrates web design best practices, contains content of value to the target audience, and is published to the Web.	Page is published to the Web but does not follow one or more web design best practices and/or content needs some improvement.	Pages are not published to the Web or more than three web design best practices are not followed or content is not of value to the target audience.
Page 3	Page demonstrates web design best practices, contains content of value to the target audience, and is published to the Web.	Page is published to the Web but does not follow one or more web design best practices and/or content needs some improvement.	Pages are not published to the Web or more than three web design best practices are not followed or content is not of value to the target audience.
HTML Validation		Each page passes HTML validation	No page passes
CSS Validation		External CSS file is present and passes validation	External CSS file is not present or does not pass validation

Project Update 2 (19 Marks)

Very Good 2.5	Very Good 2.5	Developing 1-2	Needs Improvement 0-1
Page 1	Page demonstrates web design best practices, contains content of value to the target audience, and is published to the Web.	Page is published to the Web but does not follow one or more web design best practices and/or content needs some improvement.	Pages are not published to the Web or more than three web design best practices are not followed or content is not of value to the target audience.
Page 2	Page demonstrates web design best practices, contains content of value to the target audience, and is published to the Web.	Page is published to the Web but does not follow one or more web design best practices and/or content needs some improvement.	Pages are not published to the Web or more than three web design best practices are not followed or content is not of value to the target audience.
Page 3	Page demonstrates web design best practices, contains content of value to the target audience, and is published to the Web.	Page is published to the Web but does not follow one or more web design best practices and/or content needs some improvement.	Pages are not published to the Web or more than three web design best practices are not followed or content is not of value to the target audience.
Page 4	Page demonstrates web design best practices, contains content of value to the target audience, and is published to the Web.	Page is published to the Web but does not follow one or more web design best practices and/or content needs some improvement.	Pages are not published to the Web or more than three web design best practices are not followed or content is not of value to the target audience.
Page 5	Page demonstrates web design best practices, contains content of value to the target audience, and is published to the Web.	Page is published to the Web but does not follow one or more web design best practices and/or content needs some improvement.	Pages are not published to the Web or more than three web design best practices are not followed or content is not of value to the target audience.
Page 6	Page demonstrates web design best practices, contains content of value to the target audience, and is published to the Web.	Page is published to the Web but does not follow one or more web design best practices and/or content needs some improvement.	Pages are not published to the Web or more than three web design best practices are not followed or content is not of value to the target audience.
HTML Validation		Each page passes HTML validation	No page passes

CSS Validation		External CSS file is present and passes validation	External CSS file is not present or does not pass validation

Final Project Rubric (25 Marks)

Outstanding 5	Average 2.5	Needs Improvement 1	Score 0
Publish to the Web	Required pages are published to the Web and provide content of value to target audience.	Published but required pages only partially partially provide content of value the target audience.	Not Published or many required pages do not provide content of value to target audience.
Purpose	Clearly stated	Unclear	Missing
Target Audience	Demographics clearly described (age, gender, education, socio-economic)	Generally described adequately	Missing
Visual Appeal	Use of color, contrast, text, graphics is appealing to target audience	Appealing to target audience in all but one area.	Not appealing to target audience in more than one area
Class Presentation: Organization	Presentation is coherent and organized	Presentation could be more organized	Presentation is not well organized
Class Presentation: Purpose & Design	Clearly and completely described purpose and design issues (color, layout, etc.) of the pages.	Description of purpose and design issues could have been more complete or more clear..	Description of purpose and design issues was missing or the student read pages aloud word-for-word.
Class Presentation: Project Challenges	Clearly and completely discussed challenges encountered and overcome	Incompletely or unclearly described challenges encountered and overcome	Did not discuss challenges encountered and overcome
Class Presentation: Participation	The student was actively engaged during the discussion of each project — noted web design best practices, suggested areas for improvement, and/or asked pertinent questions.	--	The student did not attend class or was not actively engaged during the discussion of each project.
Navigation	Easy to use, consistent	Inconsistent or difficult to use	Missing
Accessibility	W3C Guidelines followed	Two or fewer instances where W3C guidelines are not followed	Three or more instances where W3C guidelines are not followed
Page Titles/ Logo Area	--	Descriptive and include the site/company name	Missing or do not include the site/company name
Table	--	Correct syntax	Missing or incorrect syntax
Graphics	--	Correct syntax	Missing or incorrect syntax

Bonus Feature	--	Correct syntax	Missing or incorrect syntax
E-mail Link	--	Correct syntax	Missing or incorrect syntax
Outside Link	--	Correct syntax	Missing or incorrect syntax
Meta tag	Correct syntax (description meta tag), excellent selection of keywords and meaningful description	Correct syntax (description meta tags), adequate selection of keywords and description	Missing or incorrect syntax
Form Coding	Correct syntax, meaningful form element names	Correct syntax	Missing
Form Processing	Form invokes server-side processing to send information in e-mail	Form information not processed correctly	Form not configured for processing
HTML Validation	Required number of pages pass	Less than the required number of pages pass	No pages pass
CSS Validation	External CSS file is present and passes validation	External CSS file is present but does not pass validation	External CSS file is not present or does not pass validation
Java Scripts	Java script coding added as necessary, attractive and fulfill its purpose.	Use the code but does not to contribute much to the purpose of the website	Use javascript withput purpose to make the

Download and search for Theme and Wallpaper website:

TASK A:

Website Topic Approval:

  The purpose of the site is to let people know more about different type of wallpaper. Wallpaper is economical when you consider the long-term care of your wall covering, start to make a lot of sense. In addition, I want my website to be accomplish is make people interesting drawing or creating own wallpaper and also watch my design skill. Besides, my website is open to everyone who is interested to create using their own using application. Furthermore, it also has a problem to doing this website is I need thinking new design that non-copyright by other. Most important, my website have included of this content such as information, pricing, some examples of product as wallpaper and contact for feedback. Here is where I found the information for my website:

(i)   https://bloggingwizard.com/website-ideas/#:~:text=17%20Best%20Website%20Ideas%20For%20Beginners%20In%202023,...%208%208.%20Job%20board%20...%20More%20items

(ii)   Searched by Powerful Bing Ai.

Planning Analysis Sheet:

  My Goal of this website is to let people can download or upload their creative wallpaper on their own web pages. So that, they can have a good opportunity to create or design it. The result is have people use my own wallpaper to used it and love it. The working title of each page is:

➢ Pages 1: Home (Some information before getting started)
➢ Pages 2: Product (Can download any Wallpaper)
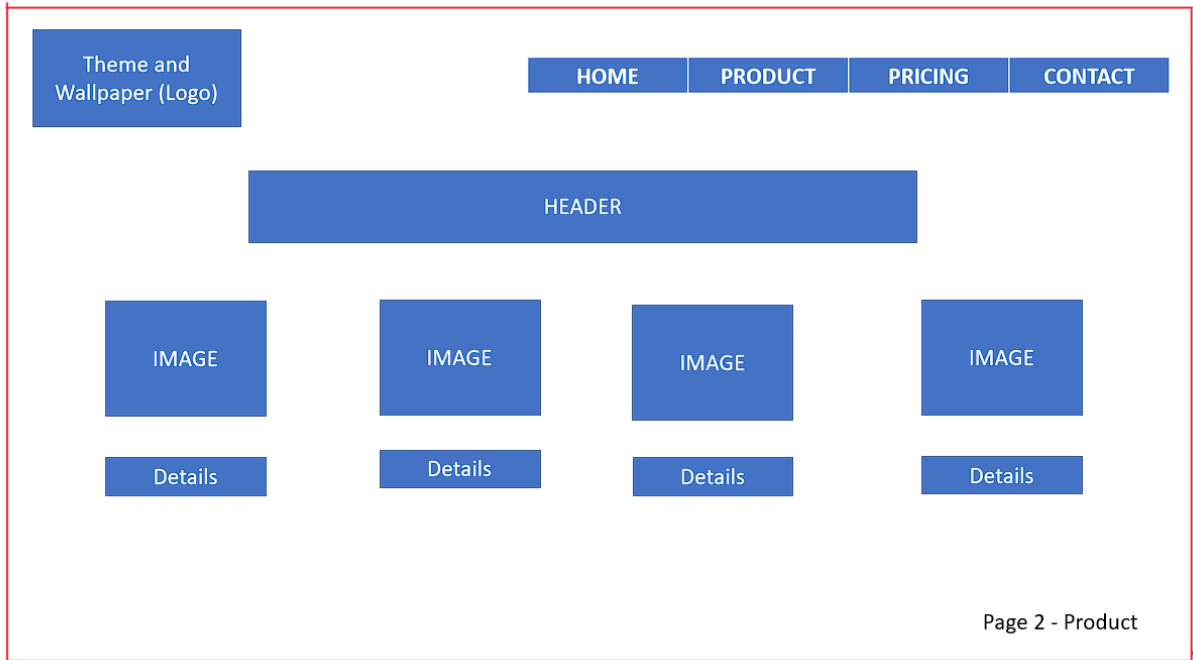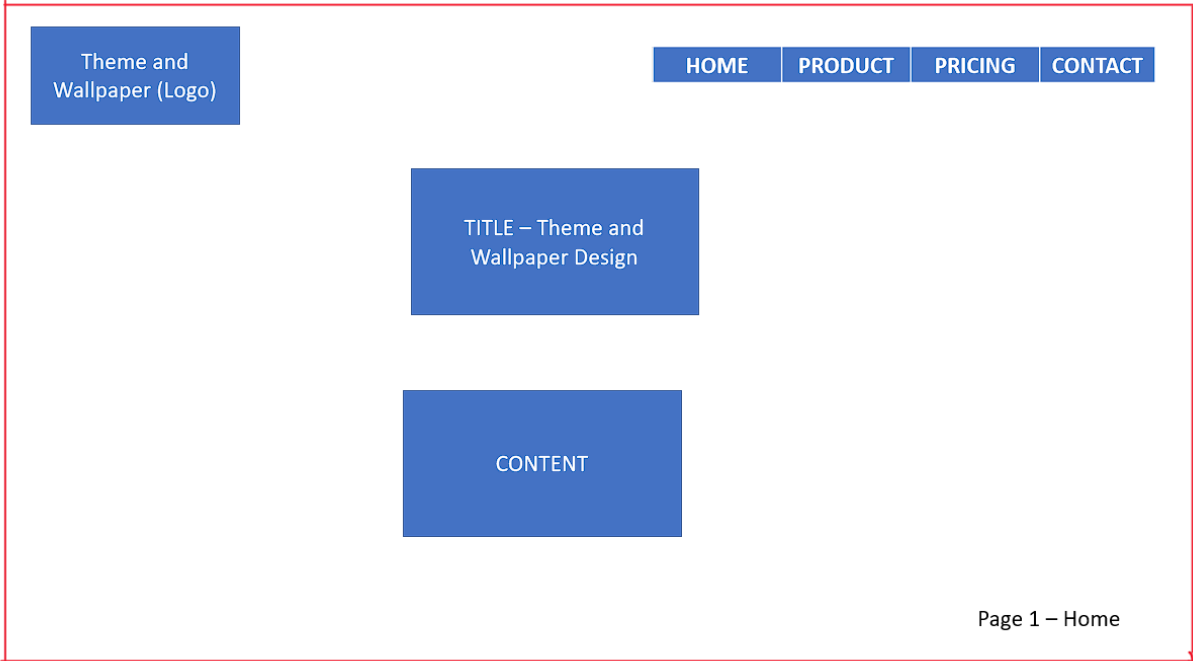➢ Pages 3: Pricing (Donation)
➢ Pages 4: Contact (feedback)

  The information I needed used is CSS, Html and JavaScript skill.

Site Maps:
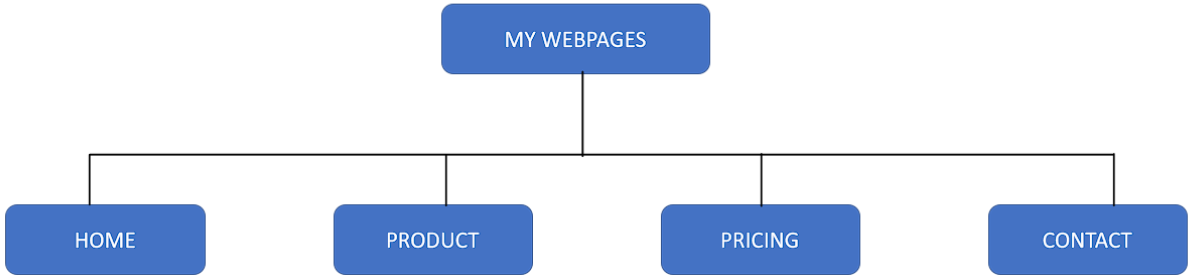
Site Maps

Wireframe:

Theme and Wallpaper (Logo)

HOME | PRODUCT | PRICING | CONTACT

TITLE – Theme and Wallpaper Design

CONTENT

Page 1 – Home

Theme and Wallpaper (Logo)

HOME | PRODUCT | PRICING | CONTACT

HEADER

IMAGE

IMAGE

IMAGE

IMAGE

Details

Details

Details

Details

Page 2 - Product

Theme and Wallpaper (Logo)

HOME | PRODUCT | PRICING | CONTACT

HEADER – Choose your plan (Option)

Content about pricing

Content about pricing

Page 3 - Pricing

Theme and Wallpaper (Logo)

HOME | PRODUCT | PRICING | CONTACT

HEADER – Contact

Content about contact / feedback

Page 4 - Contact

Task B: Web Development

- Create a website as your design in Task A
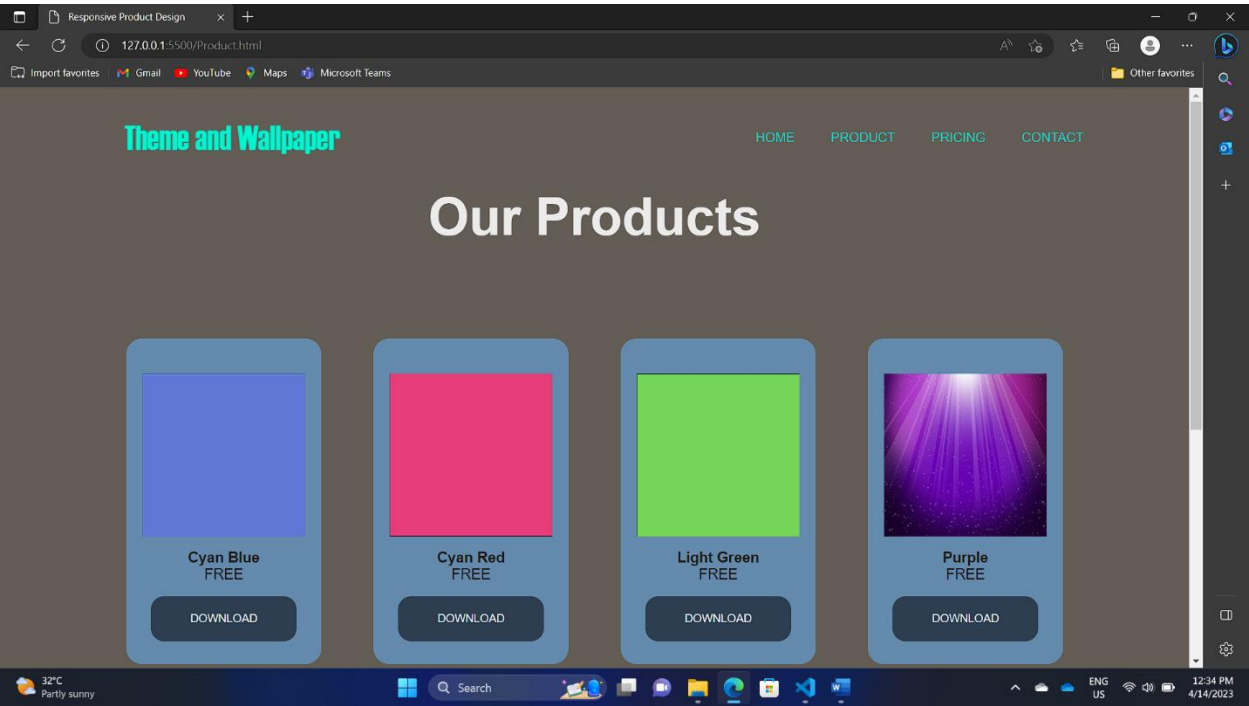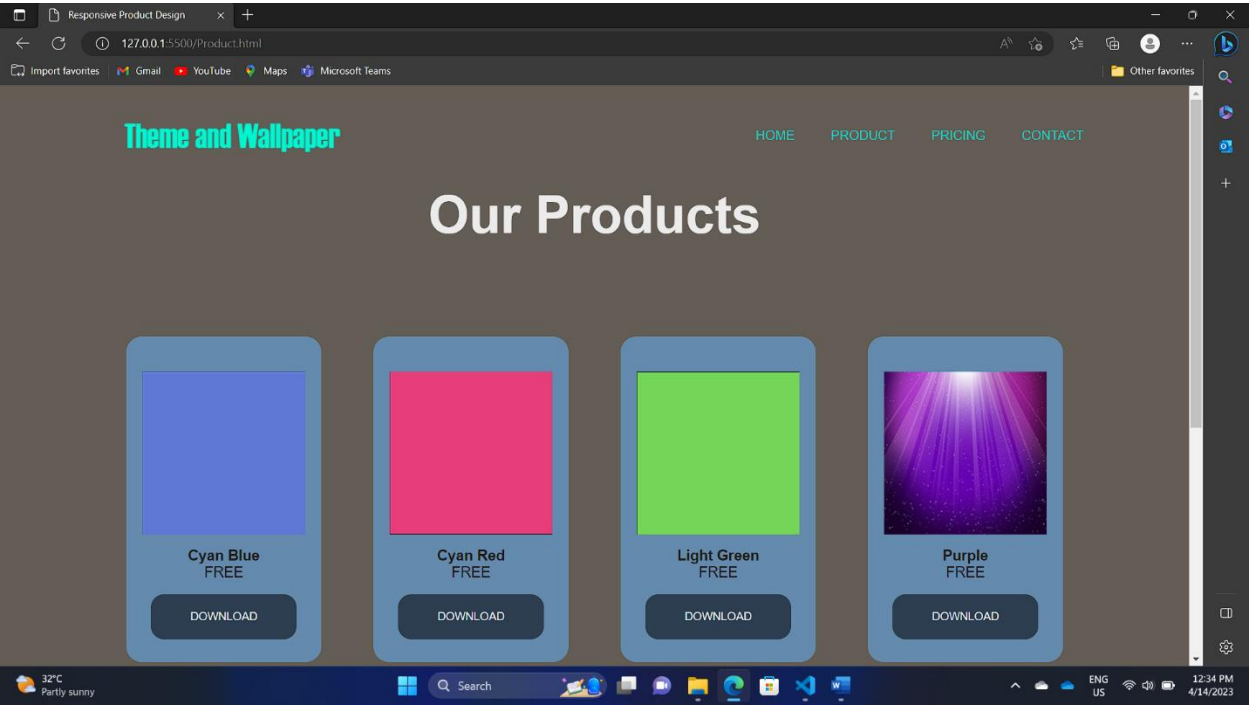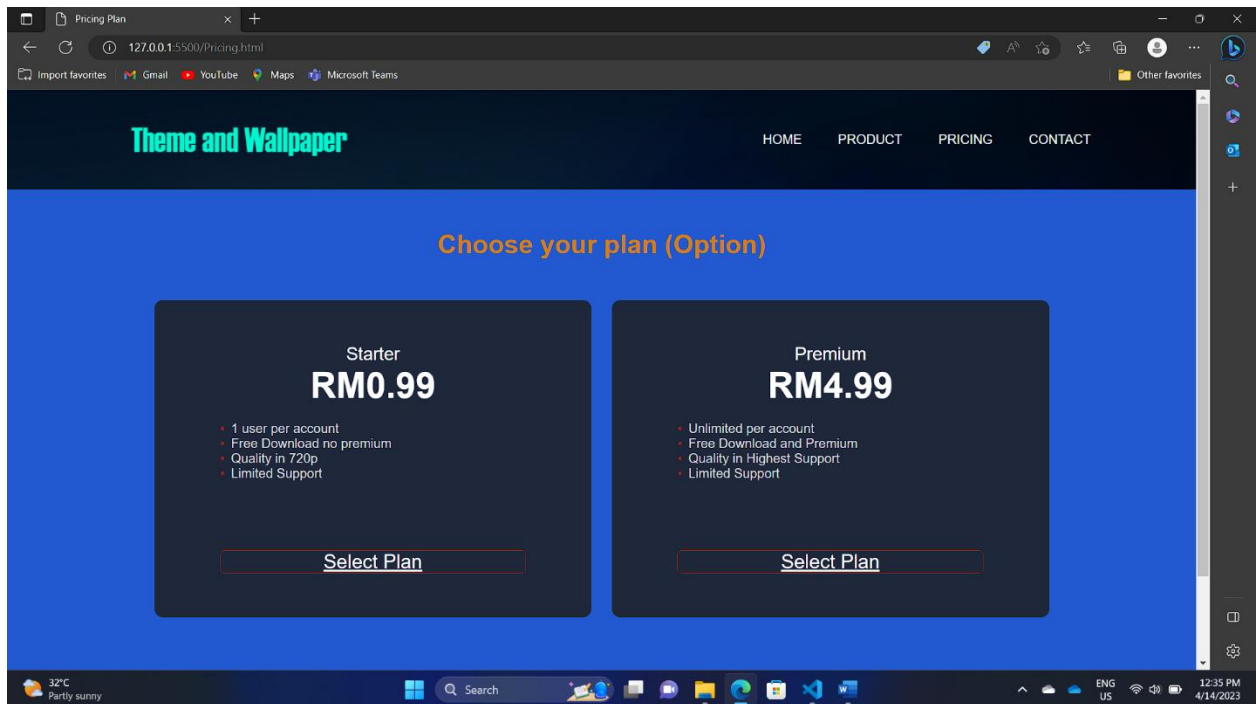 Publish to Internet BOTH Mozilla Firefox and Internet Explorer.

Task B

Website Design Screenshot:

Page 1:

Page 2:

Page 3:

Page 4: