



A Submission Report for:

Final Project Web Design and Development

Subject: DSA208

Members:

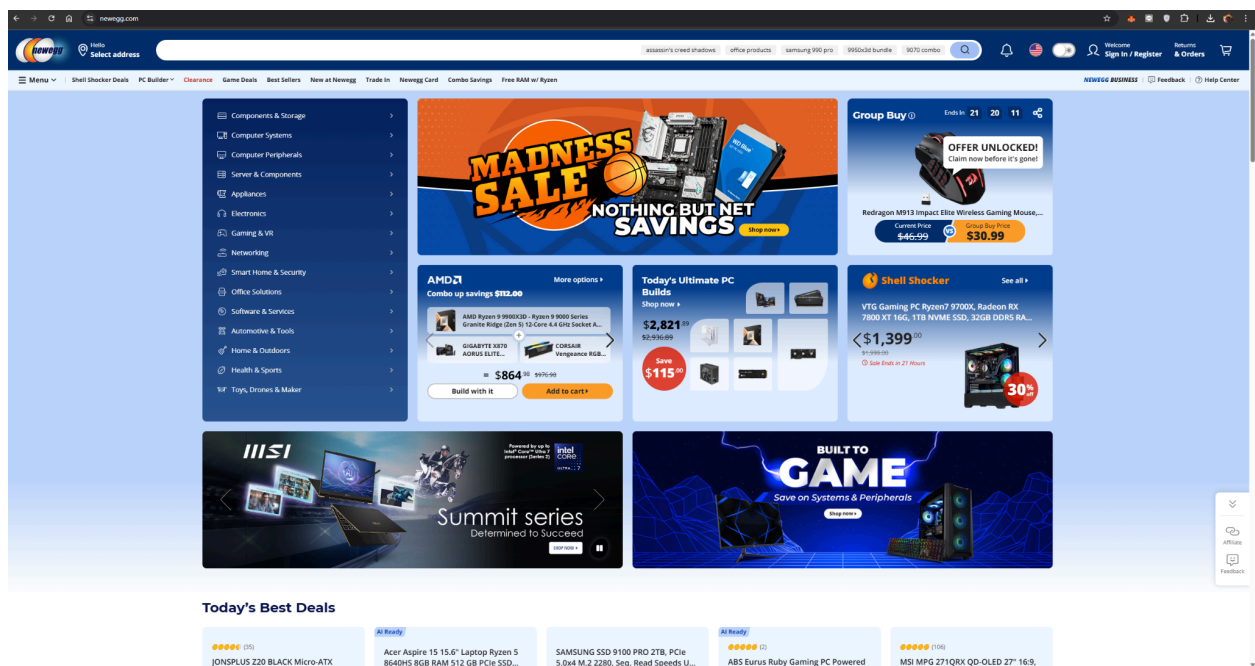
1. Suppatouch Srinual, 2420210037 (Group Representative)
2. Tay Zar Oo, 2420210359 (Group Representative)
3. Paing Myo Han Kyaw, 2420210284 (Member)
4. Aung Sit Oo Kyaw, 2420210193 (Member)
5. Hassadapong Songraksa, 2420210045 (Member)

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Introduction

For our final project of the subject DSA-208. Our group decided to replicate the web-page of Newegg.com (<https://www.newegg.com/>). This website is an online electronics store that sells various electronic parts. However, they are specialized in building custom personal computers.



(Main page of Newegg website)

Since we have limited time on the project it is decided that we will choose a certain page to work on individually and eventually we will combine every page into one project. Therefore, there are 5 pages in total that we do: Main Page, Best Seller Page, Trade In Page, Newegg Card Page, and Free RAM w/ Ryzen Page.

However, please keep in mind that we did not do the entire page, because the website itself contains a tremendous amount of content. We only select a few content from each page.

Objective

We will use HTML and CSS skills to replicate the Main Page.

1. Page Structure

- a) **main_page** - main greeting page.
- b) **best-sellers** - best seller page.
- c) **thank_for_download** - responsive page to best seller.
- d) **thank_for_email** - responsive page to best seller.
- e) **trade-in** - trade in page.
- f) **trade-in-contact-us** - responsive page to trade in.
- g) **trade-in-thank-you** - responsive page to trade in.
- h) **trade-in-thank-you-msg** - responsive page to trade in.
- i) **trade-in-value** - responsive page to trade in.
- j) **new-egg** - new card page..
- k) **free-ram** - free ram w/ ryzen page.

2. Project Structure

- a) **html** folder - consists of all .html files.
- b) **css** folder - consists of all .css files.
- c) **assets** folder - consists of all image assets.

Main Page

1. Made by

Suppatouch Srinual, 2420210037

2. Introduction

I tried to recreate the main greeting page from newegg.com. Content that I will put in are the main header, the navigation bar, the promotion banners, and the best today's deals.

3. Page Structure

- 3.1. **best-seller**: will go to the Best Seller page.
- 3.2. **trade-in**: will go to the Trade In page.
- 3.3. **new-egg**: will go to the New Card Page.
- 3.4. **free-ram**: will go to the Free RAM w/ Ryzen page.

4. HTML and CSS Skills

- 4.1. Header: as a container for top header div and bottom header div.
- 4.2. Form Making: for the search bar at the top header.
- 4.3. Navigation: A navigation bar on the left (Can interact, but no function).
- 4.4. Link to All Image: Nearly every image user can interact with.
- 4.5. body, html CSS property: is the global configuration to all pages.

5. Interaction

- 5.1. The bottom header: Highlighted in red you can click on to other pages.
- 5.2. Interact buttons: Added hover effect or cursor pointer to show that it is interactable.
- 5.3. Search bar: you can give input, but it won't lead to anything unfortunately.

6. Recommendations

6.1. Main Content: Main content on the body of the main page are the Best deals, Promotion, and recommended items for users.

7. Error in Project

7.1. Margin of the Main Body: Screen size is difficult to deal with.

7.2. 400+ lines of CSS Properties: Too much for a single external sheet.

7.3. Div Sizing: Difficulty in containing the size of some box.

7.4. Today Deals: is not proportionally to the original one on the website.

7.5. Wrong Scale: because of using too much width: 100%;.

8. Conclusion

There are a lot of contents that I've missed out. However, I am satisfied with the outcome, despite that there is more room to improve. I will not stop learning CSS, because clearly this is where I made my mistakes.

Best Seller Page

1. Made By

Hassadapong Songkraksa, 2420210045

2. Introduction

I am responsible for creating the Best Sellers subpage. This page focuses on showcasing the top-selling products in each category, allowing users to easily find the most popular and highly-rated items.

3. Page Structure

3.1. **best-sellers**: main page that I make.

3.2. **thank_for_email**: page to go after submitting an email for a deal.

3.3. **thank_for_download**: page to go after click send message to phone no.

4. HTML and CSS skills

4.1. Box Making: Use div or something else to do box containers.

4.2. Form Making: Make a form for submitting an email and number.

4.3. Navigation: Do navigation to go to the category the visitor wants.

4.4. Change Position: Do layout for page.

4.5. Change Display: Change how box displays on page.

5. Interaction

5.1. Click Navigation: click navigation on the side-bar to go to the category the visitor wants.

5.2. See Full Name of Product: Visitor can see information by moving the mouse cursor to the product that visitor wants and it will show full name.

5.3. Fill Information in Form: At the bottom of the page can fill in email and number for submit and go to thank-you-page. But it is just an example form and nothing is sent to email or number.

6. Recommendations

- 6.1. Make the product's name under the picture longer.
- 6.2. Make the category's name not under header after click navigation.
- 6.3. Make navigation text don't see after it goes higher than the bottom edge of the header bar.

7. Error in Project

- 7.1. Product's name is too short.
- 7.2. After clicking the navigation category title is under the header bar.
- 7.3. If the footer longer navigation text in the side-bar will move up and be on the header.

8. Conclusion

For the mimic of the Best Sellers page that I do I use HTML and CSS skills Box Making, For Making, Navigation, Change Position and Change Display. Visitors can Click Navigation, See Full Name of Product and Fill Information in Form.

Trade In Page

1. Made by:

Tay Zar Oo, 2420210359

2. Introduction

The Newegg Trade-In Program Website is a web-based platform designed to allow users to trade in their GPUs and CPUs in exchange for store credit or other benefits. The website provides a structured and user-friendly interface where users can enter product details, check trade-in values, and contact customer support.

The purpose of this project is to create an interactive and accessible website where users can explore trade-in options for their computer components. The website includes multiple pages that facilitate navigation, allow for data input, and provide informative feedback to users.

3. Page Structure

3.1. **trade-in**: Main page of Trade In.

3.2. **trade-in-contact-us**: A form-based page where users can submit inquiry to customer support.

3.3. **trade-in-thank-you**: A confirmation page displayed after users submit their email.

3.4. **Trade-in-thank-msg**: A confirmation page shown after users submit a message through the contact form.

3.5. **trade-in-value**: A page that informs users when the trade-in value check feature is temporarily unavailable.

4. Functionality & Features

4.1. **Trade-In Process (trade-in.html)** - Users can enter the details of their GPU or CPU:

- a. **Product Name** (e.g., RTX 3080, Intel-i9-9900K).
- b. **Brand** (e.g., NVIDIA, AMD, Intel).
- c. **Condition** (New, Good, Fair, Broken).

Additionally, users have the option to upload an image of their product. Once they submit their trade-in request, they are redirected to trade-in-value.html, which informs them that the trade-in value check is currently unavailable.

4.2. **Contact Us Page (trade-in-contact-us.html)** - Users can reach out to customer support by filling out a form with the following fields:

- a. **Name**
- b. **Email**
- c. **Message**

Upon submitting the form, users are redirected to trade-in-thank-you-msg.html, which confirms that their message has been received.

4.3. Thank you Pages

- a. **trade-in-thank-you.html** - Displays a message confirming that an email submission was successful.
- b. **trade-in-thank-you-msg.html** - Displays a confirmation message after a user submits an inquiry through the contact form.

4.4. **Error Handling Page (trade-in-value.html)** - If users attempt to check their trade-in value, they are redirected to trade-in-value.html, which informs them that the service is currently unavailable and suggests they try again later.

5. Technical Implementation

5.1. Front-End Technologies - The website is built using the following technologies:

- a. HTML5** - Used to structure the web pages.
- b. CSS3** - Used to style the elements and enhance visual appeal.
- c. JavaScript (Optional Use Case)** - Could be used for form validation or additional interactivity in the future.

5.2. Navigation & Linking Adjustments

One of the challenges in the project was the use of absolute paths, which only function correctly on a single computer. To resolve this, all links were updated to relative paths using href.

5.3. Form Handling

- a. Trade-in Submission:** The form currently redirects users to trade-value.html, rather than performing a real-time trade-in value check.
- b. Contact Form Submission:** After submitting a message, users are redirected to trade-in-thank-you-msg.html to confirm that their message was received. Currently, the website does not store messages or send emails, which could be an area for improvement in future iterations.

6. User Experience Enhancements

While the current version of the website is functional, several enhancements could improve the overall user experience:

- a. Trade-In Value Backend Integration** - Implementing a backend system (such as Python, PHP, or Node.js) could allow users to receive real-time trade-in value calculations.
- b. Form Submission Handling** - Instead of simply redirecting users, integrating a backend system could allow the website to store inquiries in a database or send confirmation emails.
- c. Mobile Optimization** - While the current design works well on desktop, additional CSS media queries could improve usability on mobile devices.
- d. Error Page Enhancements** - Instead of displaying a static “Not Available” page, JavaScript could be used to provide real-time updates on the availability of the trade-in value check.

7. Conclusion

The Newegg Trade-In Program Website successfully provides a structured and interactive platform for users to check trade-in values and contact customer support. The project is well-organized, with intuitive navigation and clear messaging for users.

Although the website meets its core objectives, it currently lacks backend functionality, such as **real-time trade-in value calculations** and **automated form processing**. These features would significantly improve the overall experience and functionality of the platform.

Despite these limitations, the website lays a strong foundation for an efficient and user-friendly trade-in system. With further enhancements, it has the potential to become a fully operational trade-in service.

Newegg Card Page

1. Made by

Paing Myo Han Kyaw, 2420210284

2. Introduction

I'm responsible for the payment page with credit-card. In that page, we display that you can pay by installment with credit-card, the benefits of using credit-card, pros and cons and log-in sections. The users can see the FAQ section.

3. Page Structure

3.1. **new-egg**: the main page of the New Card page.

4. HTML and CSS Skills

4.1. Used div to differentiate the section.

4.2. `<a>` tag for links and font awesome for icons.

4.3. Used display and position properties in CSS to arrange the items.

4.4. Used some properties for box, font, and button.

4.5. Used input elements and properties for email and search.

5. Visitor Interaction

5.1. Visitors can visit the pages that we described in the Navigation Bar and they can search for any items and check the selected items in the Cart-Section.

5.2. Click the installment section and can see the details about Newegg credit-card.

5.3. Can explore the benefits of Newegg credit-card by clicking on each section.

5.4. If they are satisfied with this, there is a log-in section to create your account for payment.

5.5. You can read and ask questions and solutions in the FAQ section.

5.6. There is a subscription section for special offers and promotions.

6. Error in Project

6.1. The Navigation and Menu Bar is not fixed in the same position when scrolled.

7. Conclusion

By creating a website like Newegg Card, we can explore new knowledge about HTML and CSS and get to experience real world websites and their problems. Thank you for letting us create a website.

Free RAM w/ Ryzen

1. Made by:

Aung Sit Oo Kyaw, 2420210193

2. Introduction

This page allows users to select various RAM products from Ryzen.

3. Page Structure

3.1. **free-ram**: main page of Free RAM w/ Ryzen.

4. HTML and CSS Skills

4.1. Box building.

4.2. CSS Class.

4.3. Form Controlling.

4.4. Floating.

5. Error in Project

Being displayed in different screen sizes could result in different formats due to varied pixel amounts in width and height.

6. Conclusion

I was not able to duplicate the page as the original, but I tried to encode as similar as possible by applying the lectures.