

TASK 3: WEBSITE DEVELOPMENT

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5.1A Graphic Design

• ELEMENTS •

HTML, CSS, and JavaScript were used to create the Website and Adobe XD for the Wireframes. For the layout, all the cards were inside a <div> and adjusted using the 'justify-content' element for it to be centred. Bootstrap's link was placed before the body to make sure that the code for the card works. Font awesome icon's extension for the social media icons in the navbar was also placed along with Bootstrap's link for the code to work. The cards contains high quality images and sounds that plays in the background which makes it engaging for visitors to continue exploring the website.

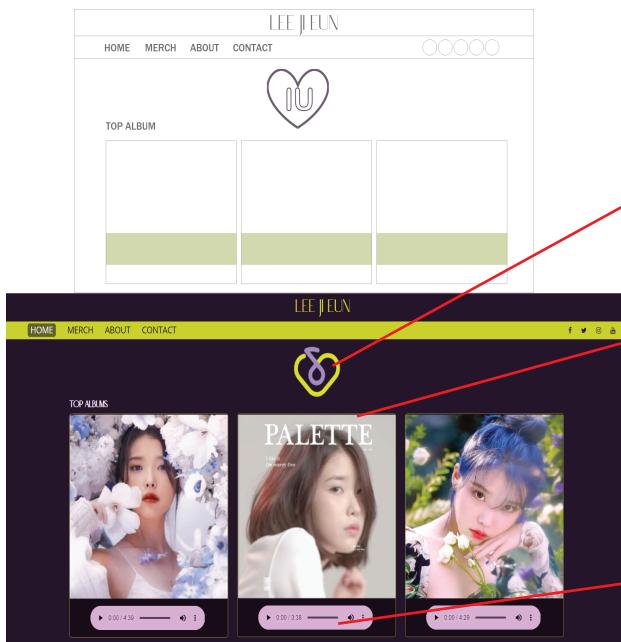
Hyperlinks, different buttons, and icons were displayed to ensure the accessibility of the website. Footer element was applied to show the copyright notice.

In summary, the website was well executed comparing it to the planning. It ensures user accessibility due to its simple, engaging design, and responsiveness.

• CHANGES •

1

HOMEPAGE



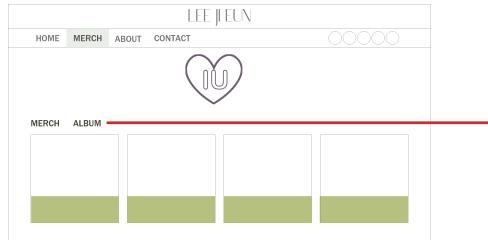
Followed the Original logo

Yellow borders were added as a colour accent instead of following a bright yellow background for the cards.

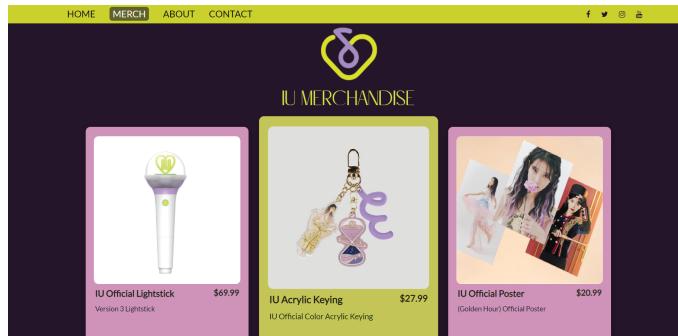
Added an audio for audience to have an experience of the artist's songs and for it to be more engaging.

2

MERCH



Unnecessary elements were removed to avoid repetition and confusion.

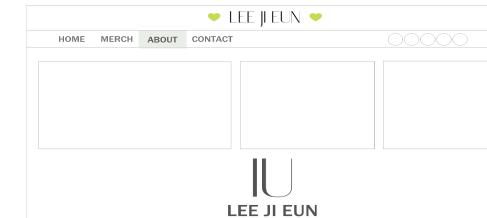


Layout for the merch was changed into cards with hovers to make it more aesthetically pleasing.

Video playback replaced the 'facts' from the initial plan to display her craft more.



About the Artist were placed at the mid bottom of the page with less texts and straightforward facts to make it more simple.



PROFILE

Stage Name: IU (아이유)
Birth Name: Lee Ji Eun (이지은)
Nickname: IU, Little Sister; Nation's Sweetheart
Birthday: May 16, 1993
Zodiac Sign: Taurus
Height: 162 cm (5 ft 3 in)
Weight: 47 kg (103 lbs)
Blood Type: O
MBTI Type: INFJ (Her previous result was INFP)

IU Facts:

- Born in Seoul, South Korea.
- She has a younger brother.
- She attended Dongguk University High School.
- IU started her career because of poor background.
- She was in the 7th grade when she officially decided to become a singer.
- IU failed on audition at JYP, but she got into Loen Entertainment.
- Later, mnet's JYP said that he was going to fire whoever let IU go.
- IU debuted as a member in 'Lost and Found' on 24 September 2008.
- She won her first award 'Lost and Found' on 24 September 2008.
- Instruments: Guitar, Piano, Bass, Drums.
- Her favorite color is Purple. (Interview with DINGO)
- Her favorite foods are Raw Fish and Sweet Potato.
- Her favorite number is 8.
- IU likes to eat raw liver.
- She likes a cool weather.

DISCOGRAPHIES

Lost and Found
1st Mini Album / Debut
Release Date: September 23, 2008

Real
3rd Mini Album
Release Date: December 9, 2010

- 1. I feel like me
- 2. Real
- 3. Well, (feat. Mino)
- 4. Feel So Good
- 5. Candy Day
- 6. lost child (Instrumental)

1. I feel like me
2. Real
3. Well, (feat. Mino)
4. Feel So Good
5. Candy Day
6. lost child (Instrumental)

Discographies from initial plan were removed because it was unnecessary and opposite to the minimalist concept.

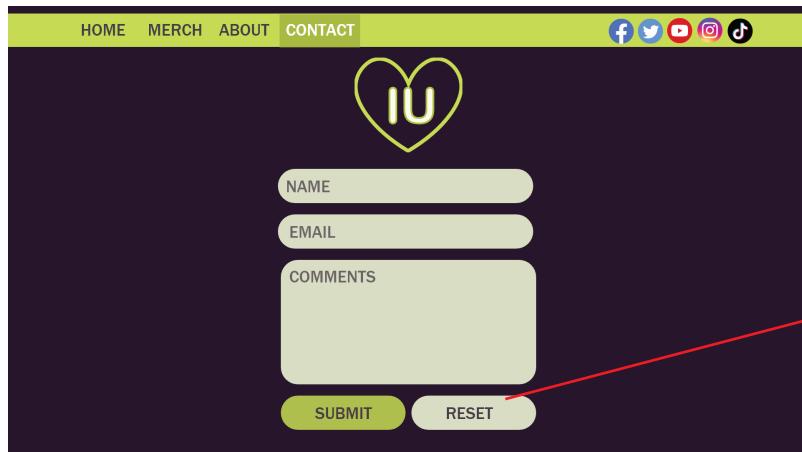
3

ABOUT PAGE

4

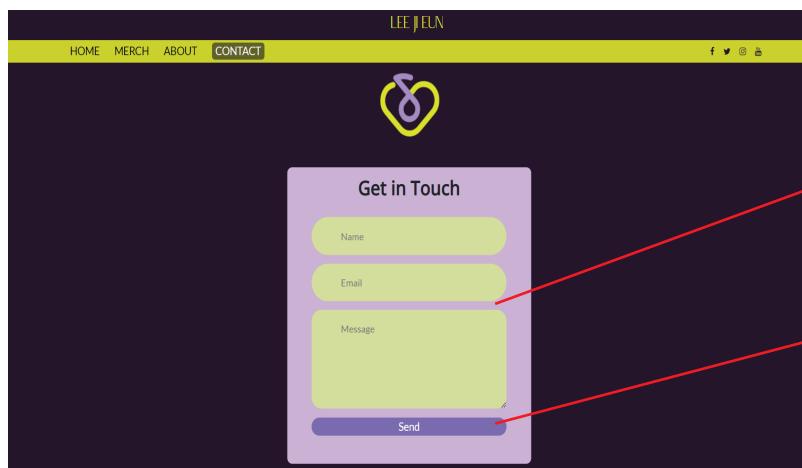
CONTACT

PLAN



A screenshot of a contact form on a website. The header includes links for HOME, MERCH, ABOUT, and CONTACT, along with social media icons for Facebook, Twitter, YouTube, Instagram, and TikTok. The main content features a yellow heart logo with 'IU' inside. Below it is a form with three input fields: 'NAME', 'EMAIL', and 'COMMENTS'. At the bottom are two buttons: 'SUBMIT' and 'RESET'. A red arrow points from the text 'Reset button was removed because I found it unnecessary since there are not much forms to fill.' to the 'RESET' button.

Reset button was removed because I found it unnecessary since there are not much forms to fill.



A screenshot of a contact form on a website. The header includes links for HOME, MERCH, ABOUT, and CONTACT, along with social media icons for Facebook, Twitter, Instagram, and TikTok. The main content features a yellow heart logo with 'IU' inside. Below it is a form with three input fields: 'Name', 'Email', and 'Message'. At the bottom is a single 'Send' button. A red arrow points from the text 'Colours were changed to match the logo colours. The form was placed inside a div to make it responsive.' to the 'Send' button.

Made to be responsive, which means it adjusts depending on how much text the user inputs.

Colours were changed to match the logo colours. The form was placed inside a div to make it responsive.

FINAL

• ISSUES ENCOUNTERED •

There were not much issues encountered except the ‘Contact Page’ Part where in I had to research on youtube to find the perfect code to extract to make a responsive form. The most difficult part was when I had to input the JavaScript with it, It took me a while searching for tutorials and even trying out and altering the code composition that was made in class but it did not work. So I went on youtube and tried different tutorials and mixed and match them to work.

• WEB TERMS •

The div tags along with column, containers, and row tags were the most helpful to organize all of the cards for the merch page and the home page efficiently. The use of extensions such as the bootstrap and font awesome extension made it easier to edit the navbar and cards.

The hover tag in CSS helped the website look engaging and aesthetically pleasing where in the colours of the cards on the merch page changes to classify which is being hovered to be selected. The hover also improved the navbar when navigating and hovering for the hyperlinks of different pages of the website.

The forms inside the div container was effective to make the forms responsive with the help of flex attribute for the display edited in CSS.

• FUTURE IMPROVEMENTS •

The website was fully functional but there are more potential improvements that could be done such as:

- More Promotions for the Artist.
- A list of the artist's concert schedule
- Make the layout more aesthetic and tone down the bright yellows to make it calmer
- Add a page for the fans to interact

• TEST CASES •

TEST CASE TYPE	DESCRIPTION	TEST STEP	EXPECTED RESULT	STATUS
USABILITY	All links on the nav bar should hover and work	Click the Home/ Merch/ About/ Contact tab	Links should go to the respective pages	PASS
USABILITY	All icons should link to its socialmedia profiles	Click youtube icon	It must go to the artist's youtube profile	PASS
FUNCTIONALITY	Buy button must be link to the product page	Click 'buy' button	It must go to the poduct page	PASS

TEST CASE TYPE	DESCRIPTION	TEST STEP	EXPECTED RESULT	STATUS
FUNCTIONALITY	Email should not open when all forms are not filled	Click submit with empty form	Error will appear that says 'All forms must be filled'	PASS
FUNCTIONALITY	Email must appear when all forms were filled correctly	Click submit with all forms filled correctly	Email appears to contact the owner of the website	PASS
FUNCTIONALITY	Video must work when clicked in the About page	Click play button	Video must play when 'play button' is clicked and stops when it ends.	PASS
USABILITY	All cards in merch page must be linked to the product page	Click any card	Product page must appear.	PASS
FUNCTIONALITY	Placeholder text must be functional.	Click 'name' and type	Text should appear	PASS
FUNCTIONALITY	Audio must match the album and must be functional	Click play button	Audio should play in the background	PASS

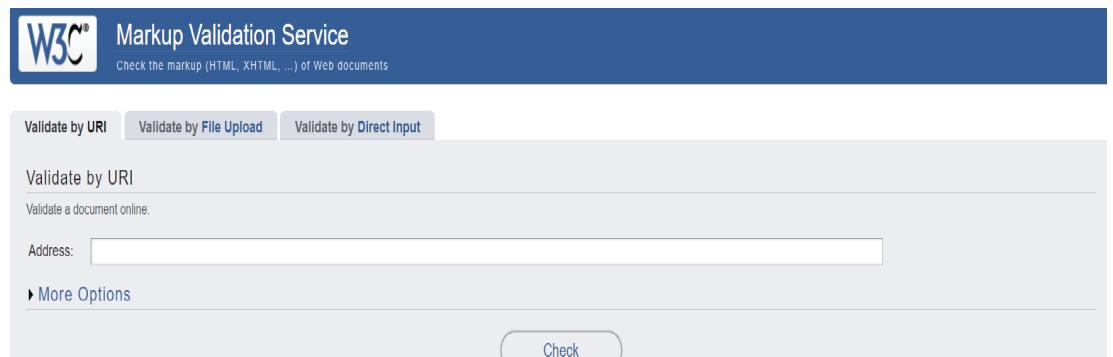
• VALIDATION •

FOR HTML AND CSS

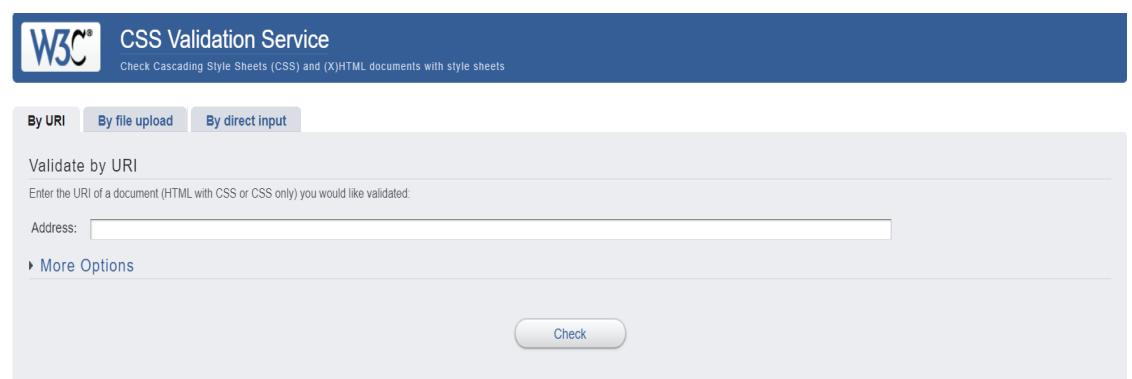
For HTML Validation <https://validator.w3.org/> was used and <https://jigsaw.w3.org/css-validator/> for CSS Validation.

Validation websites allows developer to check their code and arrange it effectively. It allows 3 options to validate the code either by URL, by uploading it or by direct input. I chose direct input because it was easier to copy and paste the code to validate and change it immediately and efficiently.

HTML VALIDATOR



CSS VALIDATOR



Once the code file is uploaded, the validator validates the code and shows all the errors if there are. It displays which rows contains errors and warnings. Arrange the code again from Visual Studio and reupload it to revalidate until no errors are found.

FOR HTML Homepage through direct input

 **Markup Validation Service**
Check the markup (HTML, XHTML, ...) of Web documents

Validate by [URI](#) [Validate by File Upload](#) [Validate by Direct Input](#)

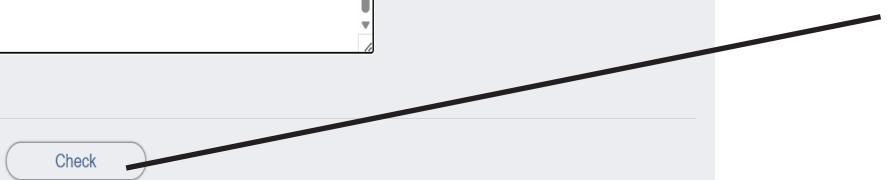
Validate by direct input

Enter the Markup to validate

```
<a href="https://www.facebook.com/lu.loen/"><i class="fa fa-facebook"></i></a>
<a href="https://twitter.com/IU_Official"><i class="fa fa-twitter"></i></a>
<a href="https://www.instagram.com/dlwirma/"><i class="fa fa-instagram"></i></a>
<a href="https://www.youtube.com/@dlwirma"><i class="fa fa-youtube"></i></a>
</div>
</div>
<div class="footer-bottom">
<p>copyright &copy;2023 Lee Ji Eun. designed by <span>Solmiree Studio</span></p>
</div>
</footer>
</body>
</html>
```

▶ More Options

Check



Input code then
Click 'check' button

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show source outline image report [Options...](#)

Check by [text input](#) [css](#)

```
<head>
  <meta charset="UTF-8">
  <title>IUKanpage</title>
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-KK94CHFLLe+nY2dmWGq91rGg5gtU4mk92HdVYeM/SXH30ipSILydn9+nJ0Z" crossorigin="anonymous">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
  <link rel="stylesheet" type="text/css" href="styles/home.css">
  <!--For google font-->
  <link href="https://fonts.googleapis.com/css2?family=Lato&family=Open+Sans:wght@400;500&display=swap" rel="stylesheet">
```

Check

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.
[Message Filtering](#)

Document checking completed. No errors or warnings to show.



For it to be successful
“No errors or
warnings” must be
shown.

FOR CSS Homepage through direct input



The screenshot shows the W3C CSS Validation Service interface. At the top, there's a blue header bar with the W3C logo and the text "CSS Validation Service". Below it, a sub-header says "Check Cascading Style Sheets (CSS) and (X)HTML documents with style sheets". There are three tabs: "By URI", "By file upload", and "By direct input", with "By direct input" being the active one. A sub-section titled "Validate by direct input" asks "Enter the CSS you would like validated:" followed by a text area containing some CSS code. Below the text area is a "Check" button. A black arrow points from the text area towards the "Check" button.

Input code then
Click 'check' button



The screenshot shows the W3C CSS Validator results page. At the top, it says "The W3C CSS Validation Service" and "W3C CSS Validator results for TextArea (CSS level 3 + SVG)". Below that, there are navigation links: "Jump to: Warnings (2) Validated CSS". The main content area starts with "W3C CSS Validator results for TextArea (CSS level 3 + SVG)". A green banner at the top of this section says "Congratulations! No Error Found.". Below this, a message says "This document validates as [CSS level 3 + SVG](#)!". Another message encourages displaying an icon to show interoperability. Two code snippets are shown below, each with a W3C CSS validator icon to its left. A black arrow points from the "Validated CSS" link in the navigation bar towards the "Validated CSS" link in the banner.

For it to be successful
“Congratulations, No
Error Found” must be
shown.