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<u>Technical document Task 3 Part 1</u>

To this journey, in making an interesting website was full of ups and downs. My vision has come to reality as most pages and components were possible to achieve. The inspirations were developed based from my original plan to the first attempt website. The outcome matches to my expectations and made changes that eventually made it better experience. I have definitely have learnt a lot from this unit and have grown to gain new knowledge for my technical skills. The project can clearly demonstrate a clean, understandable structure to give users some guide points on where to go. It is personalised that links to my taste as well for target audience. I want to include different types content that express the fan base of Taylor Swift.

Certain files especially for css were needed to be separate files to avoid any components and elements confusing. I have used my research and techniques wisely to able to achieve a such high standard website.

I various semantics that has both non/updated tags and variables to the project, used sources such as Font Awesome and Bootstrap to insert components, layout, icons and even custom fonts. I used interactive elements to engage users to visit the site.

Accessibility tools:

Evenly to include accessibility tools and tags to ensure that the website is usable by people with disabilities. These might not be seen directly from the project but people can use their special programs to enable use the website accessible for them. One of the accessibility tools used is the font size tool, this function allows users to able to read paragraph text clearly depending the size the user selects. It is constructed as buttons for them to hit tab key.

Other tools were alternative text and aria labels. Alt tag in short is used for images. People with visual loss cannot understand images being displayed but they can read them. It's crucial to add informational images that explains either an image was used for decorative or informative purposes.

Like screen readers, aria labels provide additional information about an element's functionality and intended usage. Users might not be able to notice the visual signals nonetheless able to receive important information from screen readers.

Having keyboard navigation is a great tool use as users have difficulty to use the mouse. This tool tab is keyboard operable and focusable by hitting the tab key to click interactive elements, buttons and links.

Labelling are seen quiet often in the project, every element and component are with labels.

I have installed "Accessibility Insights for Web" extension to give me guidance on what elements and components needed to be changed. It checks every test case available for the project to run accessible as it should. It checks for colour testing, headings, accessible names, landmarks, tab stops and overview testing of the code used.

I intended to insert colour themes tool in the project that projects number of colour schemes that alters background, header, and paragraph colours, unfortunately, it conflicted with other elements in the navigation bar and therefore I remove it.

In the below of the docment, it explains my deviation, infulences and improvements about my project's process work.

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<div align="center">

Deviations:

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Set up project's location and file titles: Before coding, the project was in a secure location. There were multiple files that were used for testing purposes and some of them were not. In all of sudden, Files such as images were not recognisable in the assets folder location and either one or two html files to link to the project. The project has reorganised, placing files to different locations and renamed their titles. In the end, all files are organised, and the project is found in the html, css, images folder, which it contains the HTML files and the "assets" such as css, images, java script and videos folders.

Logo Image: The logo image was intended to set up as button to link with the index file. The button tag conflicted the structure of the navigation bar therefore it displays just an image. The user can notice when the cursor changes points on the image but did not function.

Add to cart function navigation bar: The add to cart button's function conflicted with the tab' elements to the rest of the pages displayed. Additionally, the off-canvas label structure overlaps with the navigation bar. The function only works efficiently in the home page, that displays the icon with background button coloured in lilac and border radius of 30px.

Carousel: As the screen size was minimised, the carousel's header and paragraph disappear while carousel' indicators shifted to slightly lower position.

My Mission container: The website projected the inside container, the paragraph is lowered to its position, thus was effected due to font size tool.

Paragraph: In the main general tag code, the paragraph alignment is set to centre position. For "Her Career" and "Social Insights" sections are slightly unpleasant to read. After setting up the paragraph element to individual sections, the function goes ignored. This also happened in the album gallery and gossip sections. The text was difficult to read because there was a lot of gap between words.

Accessibility tool: From my original plan, I indented to set the font size tool in the top right corner in "My Mission" section, which it may be a convenient location for its structure. Additionally, to colourize to lilac (colour code: CF9FC8) and to transform the shape as a circle.

There were hectic things that made it difficult to function properly, luckily, I managed to fixed it but a slight error of the paragraph text shifted slightly lowered position.

I inserted java script to function the font size, another slight issue was encountered to not create the java script file but instead to type in the code directly in html file. Moreover, when the website is optimised for mobile screen size, the accessibility tool disappears.

Promotional strip: After fixing the promotional image and button, I intended to include a header title inside the image unfortunately the text was hidden and displays a white strip section instead.

The header tag was not able to identify when colour was applied from style css. In conclusion, the header was removed but to present the cover image and the store button that links to the store page.

Video section: In order to let the users which video is being showcase, I intended to insert labels under each imported video however it did not display.

Social Media links: My intentions were to use bootstrap icons in the project, unfortunately many issues were encountered such as to resized and recolour them as well to perform the button component where I should able to link different url links for each one of them to their social media platforms, Eventually I

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was used a different source of "Font Awesome" to insert icons code snippet so I can stylize and function them efficiently.

Gossip Lane: Gossip Lane timeline chart has encountered a minor issue other side the paragraph situation. The right side (.main-timeline .timeline-content:before) element, founded in circles css file indicates the white line's construction, It is one level higher in the display than it should be connected to the images. Another note, when the screen size was minimised, the timeline covers on top of the last image in the album gallery section.

Contact form: The layout style for the contact form page was intended to divide the container in half, allowing users to type their details in the input text fields on the left side while an image should be displayed on the right side. The image displays from above or below the container. For this reason, the image is not to be displayed.

Add to attachment button in contact form: The add to attachment button worked effectively during the process, however, it was unable to show any identify uploaded files or images in the email form presented. Therefore, it is removed for the site.

In Product details page: The construction layout is not mobile friendly to use, it appears to have a bug in the container flex. The product's attributes are positioned from outside the container whether the product's image remains attached. A last-minute change has been included in the midnights album page where an alert label taken from bootstrap was used to display a add to cart notification but it needed to be linked after the button is clicked. This was not applied in the rest of product details pages because it demonstrates the product has been selected and that it "in syncs" with the user's requirements from the order confirmation page.

In Order Confirmation Page: The list of products section and the delivery address does not in sync to the users' type inputs and requirements. Additionally in the program, it is unpleasantly unorganised setup as the template was founded it online and did not manage to put the style code in css file but have made a few adjustments to match with the website's aesthetic view.

Improvements:

Carousel: For my original plan, the header and paragraph were to be position on the top left corner therefore, the images will not be covered up and attracts the eye. However, a change has made that showcases a better view from the carousel perspective, that made it easier and increase its focalizing. Additionality, the images were slightly brighter therefore I applied the brightness filter to decrease the brightness value.

Promotional strip: I intended to the header situation also to set the brightness filter with same value as the carousel images. Evenly, to adjust the image' cover positioning as it covers Taylor's facial features.

Video section: I suggest to a slider in the video section as indicators presented arrow toggle buttons to search for more videos from left and right sides.

Social Media links: I could remove the underline element so that the users can clearly understand the button links.

Taylor Swift UK Eras Tour Dates container: I could insert a slider to display other countries of eras tour images.

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The layout structure of home page: I intended to modify all the components and elements to not leave any empty spaces as the slider demonstrated and for better user experience.

The layout structure in the about page: Since album gallery and gossip lane containers overlays on top of each other, I would make adjustments to both of containers to display efficiently when the screen size is minimized. Moreover, I would be satisfied if I have created a div class for "Her Career" and "Social Insights" paragraph sections to be stylised in style css file. This improvement would solve the paragraph alignment situation.

Album gallery: I intended to setup font weight of the paragraph text.

Payment page: I would like to suggest to update the structure of payment page with various options in mind. The layout can be divided in half, the delivery address and payment detail section on the left side and have the user's cart section on the right, that displays 'chosen products' along with their attributes and the subtotal price along with an edit icon button that links back to the product details page.

In additionally, to have the payment options. The user can choose to pay in card or by cash, including their labels, import icons and checkbox from bootstrap.

Import delivery choices therefore users can select either by pick up or delivery along with their icons and check label.

Have warning messages in each input text box field after the user clicks the proceed to checkout button.

Lastly, to apply a checkbox or use border line colour elements that signifies the selected card In payment cards accepted section.

Contact form page: I intended to fix the image positioning and to adjust the text padding in the input fields, so it can be positioned in the centre.

Store Page: Adjust the bottom product card's height to less pixels in the display.

Product Details page: For future improvements, I wished to modify the cursor pointer in the quantity function, able to resize the product's image in off canvas component to level the image and paragraph text. Include a delete button for the user to actually to remove the product from their cart. In addition, to include footer function.

As well to incorporate zoom tool to watch the image up close to observe product's material and insert different perspective photos for the convenient purposes to the user.

Influences and Process:

Navigation Bar: I intended to stylized the navigation bar as elegant, edgy and yet pleasant looking that underlines the visual astheic to Taylor Swift identity and personality. I am satisfied to use the hover effect to change tab's colour to white as well as the underline transition.

Shopping bag icon: I selected the heart-shaped shopping bag icon for the cart button because it matches the overall aesthetic.

Carousel: The carousel images, I used these images in the carousel is because I want to showcase professional and charming appearance when the user lands the website as the first thing they see.

Image Tab: During the research and developments made, I imported a Taylor Swift black silhouette image as benefit for my website.

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Videos: I integrated a video section for entrainment, the selected videos showcase the hit music videos from past and present periods.

Social media links: Adding social media links benefits me for the users search for content, interactive entertainments channels and evenly to listen her music. Which makes it easier access and conveniently to use. The way the stylization is constructed was interesting and incorporate a hover effect that changes colours and its button transformation. These social platforms were chosen for entrainment purposes.

Album gallery: I was under influence by the Taylor Swift's website, a particular container called Album shops where it displays Taylor's image from past albums in hover effect. The hover effect demonstrates images coloured in grayscale, after the cursor points at a particular image, it regains to its original colour. I made similar technique in album gallery where images represent albums with additional information.

Process: Each image is developed as a grid structure, made border radius value of 1.5rem for rounded corners, inserted a header on the top-left corner to showcase their album names, the hover effect demonstrates when the image is transitioned from right to left, I adjusted the brightness level, inserted a white thin underline the header and presented the information given in middle of the image.

Gossip lane: From the previous website created, I made the profile page' image profile formed in a circle and I continued to use the same process in this project to presents images in a timeline chart where I introduce a gossip content where mostly target audience/users wishes to gain knowledge about Taylor Swift's clothing style, her music career takes off and career changes throughout the years. Each image represents a particular era happened of her career that formed out as a circle along with header "the year" and their information given. The timeline is split in half, the left side begins first and continues from the right side. The stylesheet that is linked I called "circles.css" in order to develop the timeline chart.

FAQ's accordion component: Although in bootstrap showed different styles to use, I followed a tutorial clip online because the style was preferably to use.

Process: I made a section to create FAQS's, it displays question and answer, the arrow facing downwards at 180-degress indicates a button which a paragraph text appears, the answer element is stylized to apply a ease transition by 1.4s.

A white underline was included to make a barrier as I duplicate three more questions to acknowledge user's curiosity about Taylor Swift.

FAQS JavaScript file: ("constfaqs = document.querySelectorAll") controls which function element."faqs.forEach" tag specific for each question acquires to click and change the direction of arrow icon toggle button."faq.addEventListener" and active " faq.classList.toggle".

Store page: My initial ideas were to include a card component are taken from bootstrap to project small number of products that were carefully chosen to appeal to my target audience. The products created were interesting attraction to the user to persuade them in purchase their desired item. The chosen photos are not only displayed for the current album merchandise but also for other albums in earlier times.

Since the background colour sets to lilac colour, my initial aim was to draw attention to the product images rather than the cards, this minor change changes how the content is perceived. The background colour of cards has been adjusted to avoid conflict with other elements presented example to the View product button setup. In conclusion to the headers and paragraph remains coloured in purple as in my

option, I founded it suitable colour that conveys one's mood. I used other colours such as white for simply to gain colour contrast however it gave more focus. The stylization is constructed to match the overall aesthetic.

Product details page: Each in product detail page are stylized differently with their css files, this makes no conflicts styles for other pages included. My aim was in cooperate other colours from my original page in the display, with this reason it keeps the users more engaged with the website presence. Each image is displayed to appropriate size for a better view. Colours were stylised to set the background, the main header title, quantity element and add to cart button. This is also combines to the earliest album eras that in hints the colours being chosen. I intended to have a well clear structure of every product detail page presented. Both "quantity" and "product details function" java script files are created.

Additionally to include the off-canvas component (taken from bootstrap) when the add to cart button function is clecked, evenly to include the quantity function where the user able to click the plus and minus buttons, as the number changes to higher or lower number.

Process: Product details JavaScript file: This code generates a product preview page where users can interact to the product's specifications, its features, and to add product to their shopping cart for purchase.

"function img (anything)" indicates the "anything" element is expected to use a url of an image element."document.querySelector('.slide').src = anything" indicates to select "slide" (meaning image) to find the image but change source element instead of url element. "function change(change)" the system expects to find css colour value. "const line = document,querySelector('.home')" it selects the class name "home" element to setup as a container along the background colour "change" by using the style.background property.

Quantity Javascript: "Plus.Addeventlistener" obeys the command to set the number element to go higher number when it clicks. "Minus.addeventlistener" plays the opposite command, where it controls the number going to lower value when it clicks. Every time a user clicks the plus or minus button the number changes that matches the function.

Contact Form: Despite having a missing image element empty on the right side. I made the contact-input coloured in light shade of blue and set the padding with a bigger size with the value of "1.5rem 1.35rem calc(0.75rem - 2px) 1.35rem".

Process: After the user fills his or her requirements in the input fields and clicks the send message button, the user able to witness another page that is design in form submitted url source. The user able to read their detail in the email, with this reason I was under influenced mainly by the functional requirement and the contact form page as never the less it is stylized to the elements and components inserted.

Contact Form java script file: The code snippet portrays the visual interaction where the input fields display a visual effect to be focused (be visible and highlighted) and remove (blurred) when send message button occurs. This technique demonstrates to highlight the current field in the form.

"const inputs = document.querySelectorAll(".contact-input")" indicate to adjust the contact form' input fileds.

"inputs.forEach((ipt) => { ... })" indicates each selected input fields.

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"ipt.addEventListener("focus", () => { ... })" indicates to add visual effect when any current filed is triggered that is currently focuses. The visual style applied appears to focus. "ipt.parentNode.classList.add("focus")" it applies the effect for every input filed as the list conducted.

"ipt.addEventListener("blur", () => { ... })" indicates to blur the current field as is triggers. It reverses the change of style and no "focus" command will remain intact.

"iptparentNode.classList.remove("focus")", it removes the visual effect for every input filed as the list is conducted.

Payment page: From bootstrap layout forms in the gutters section, the layout seems pleasant and adaptable to use. I used the form check tag in the website to display the parcel (a product) updates to the buyer (the user). It showcases without any account needed, the user fills his or her details as a guest.

Process: I adjusted the width bottom hover buttons as, in my options works efficiently in the display and also convenient. I made every text display including the placeholder text with custom font type of "Abril FatFace". Inserted image of types of cards that the website can accepts and use column tag to divide the layout with two columns.

Order confirmation page: In the display, I constructed a stylized email template that is founded online in html file, I made a few adjustments to corresponds the website's aesthetic such as the colour, inserted two custom fonts types one for header while the other used for paragraph text. I aligned the paragraph as it seems a better location for the users to observe. Additionally, I have imported Taylor Swift's logo in the footer section to be used as decorative stamp. I am satisfied to use this template because visually designed, it keeps clear and well understand structured for the users to notify the product's confirmation.

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Part 2: Test Cases

Current objects testing	Expected Output	Actual Output	Pass or Fail	Comments	Test2 :Pass or Fail	Comments For test 2
Carousel's indicators	User clicks the arrows key or three lines to preview other images	User clicks the arrows key or three lines to preview other images	Pass			
My Mission font size tool	The user clicks the font sizes tool that displays paragraph font size text from small to big	Unable to function	Fails	Could be conflict of used sources url links	Pass	misspelling punctuations and tags in java script
Home page-Promotional strip	Image showcasing of promotional goods with button position centre	Image showcasing of promotional goods but button position top left corner	Fail	Perhaps it conflicts with carousel inner tag	Pass	Have create container-strip tag in div class, in css the image is stylized as a cover with 500px height, while the button is posited in the middle of the image by specified on top 50% and left 50%.
Home page-Navigation bar	User clicks tabs to visit other pages, additionally to clicks the add to cart button that displays the off-canvas component projected product selected with their attributes and to click checkout button, moreover to click the logo image as a button to home page	The logo image button failed to function	Fail	I have success this problem encountered unfortunately it dimmish other features and components to their position		
Home page-Video section	User clicks the videos with their controls	User clicks the videos with their controls	Pass			
Home page-Social media links	User able to click the buttons to visit other social platform	User able to click the buttons to visit other social platform but has minor colour text malfunction	Fail	Perhaps a missing tag	Pass	Imported "icon:hover i" tag to colour white in style css.
Home page-International tour dates image	User observe UK ERAS Tour poster in average size and positioned in	Displayed average size position in centre	Fail	Used "place items centre" but it didn't not work	Pass	Used margin left of 25% tag in style css

	centre in the container					
Navigation bar add to chart in other sites	User click the add to cart button same process in home page	It displays a large navigation bar features with off canvas component	Fail	It conflicts off canvas component in the navigation bar structure		
About page - container "Her Carrer" and "Social Insight" alignment	The user observes two different containers with information and images	The paragraph alignments is set to centre and did not have padding left from the images	Fail	As I ranged the alignment using text-align tag, it conflicts the main's paragraph along with the accessibility(font size) function, therefore it remains centre positing.		
Album Gallery section	The user observes a container of ten albums' images, with their album names and hover effect that displays body text.	The user observes a container of ten albums' images, with their album names and hover effect that displays body text.	Pass			
Gossip Lane section	The user able to see timeline that feature clothing style content. That includes images, header and body text starting from left to right.	The right side of the chart has minor issue with white line placement as it conflicts body text weirdly aligned justify.	Fail	Cannot arranged the tag element as it effects both sides		
Store/Product page- Footer	The user can see the footer displayed colour white text and seen a custom font family of Courier New', Courier, monospace;	The footer is stylised differently, it displayed lots of gab in footer tag	Fail	Needs to modify line heights and change font family	Pass	Specified card body paragraph and footer paragraph, arranged font weight, line-height to 22px and margin-top: 1%.
Store/Product page- Cards	User view the cards with product attributes and clicks view product button to go to one of product page.	The cards and button displays and functions fine but the cards are positioned centre without gap in between	Fail	Perhaps to use padding or margin tag to calculate the gab space.	Pass	Use margin top and margin right tags in store css
Products details pages- Quantity	User clicks plus and minus buttons that displays number being higher or lower	Quantity function does not link with add to cart function	Pass	Create a java script file to function efficiently in the site		

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Products details pages-Quantity in off canvas	User clicks add to cart to check the selected quantity number selected	Quantity function does not link with add to cart function	Fail	Perhaps using link tag	Fail	
Products details pages- Add to cart function	User hits add to cart that automatically displays the product been added	User hits add to cart that automatically displays the product been added	Pass			
Contact form-input text fields	User types their details in the fields	User types their details in the fields	Pass			
Contact form- send message function	User selects send message button that disappears filled input fields, after words form-submit page displays to activate or thank you for submitting	User selects send message button that disappears filled input fields, after words form-submit page displays to activate or thank you for submitting	Pass			
Contact form-image imported	User views the image should be displayed on the right side of the container	The image it displayed on above and under the contact form container	Fail	Perhaps a wrong tag was used.		
Contact form-Form submit url link	After the user hits send message button, a Form submit page displays Thanks for submitting and hit URL domain name of the site	The url link takes the user to unknown project's folder page, therefore the user can not go back to home page.	Fail	I typed my custom domain but did not showcase the actual project but instead a firewall	Fail	This could be the reason the program was not in sync with the project.
Payment page-Payment card image	The user can selects any card image, they wish to purchase products	The user is unable to choose a card from the image, it simply displays an image as decoration	Fail	Might have to insert a button tag and a checkmark icon tag	Fail	Without a checkmark icon, the button tag is useless.
Order Confirmation page-Container-Products list	User able to view the selected product/s that matches the his/her requirements	No matter what the user selects a product and quantity do not sync to the confirmation page	Fail	Perhaps to create java script file to link product name and quantity and to calculate product's price efficiently.		
Order Confirmation page-Container- Delivery Address	User able to view his or her delivery address	The user views the generic delivery address in the left side.	Fail	Something goes wrong in tag css file or create to a javascript file to function the synchronization	Fail	Did not managed to sync delivery address however the paragraph is positioned in the centre by using Line height for 24px and padding-top of 10px.