Curtin University – Department of Computing

Assignment Cover Sheet / Declaration of Originality

Complete this form if/as directed by your unit coordinator, lecturer or the assignment specification.

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Unit name:	Programming for Digital Design		Unit ID:	GRDE2013
Lecturer / unit coordinator:	Chantelle White		Tutor:	Daniel Brouse
Date of submission:	13/11/2020		Which assignment?	final

I declare that:

- The above information is complete and accurate.

- The work I am submitting is *entirely my own*, except where clearly indicated otherwise and correctly referenced.

- I have taken (and will continue to take) all reasonable steps to ensure my work is *not accessible* to any other students who may gain unfair advantage from it.

- I have *not previously submitted* this work for any other unit, whether at Curtin University or elsewhere, or for prior attempts at this unit, except where clearly indicated otherwise.

I understand that:

- Plagiarism and collusion are dishonest, and unfair to all other students.

- Detection of plagiarism and collusion may be done manually or by using tools (such as Turnitin).

- If I plagiarise or collude, I risk failing the unit with a grade of ANN ("Result Annulled due to Academic Misconduct"), which will remain permanently on my academic record. I also risk termination from my course and other penalties.

- Even with correct referencing, my submission will only be marked according to what I have done myself, specifically for this assessment. I cannot re-use the work of others, or my own previously submitted work, in order to fulfil the assessment requirements.

- It is my responsibility to ensure that my submission is complete, correct and not corrupted.

Signature:

Phi Long Nguyen

Date of signature:

13/11/2020

(By submitting this form, you indicate that you agree with all the above text.)

I. Introduction

The product works best on Google Chrome and on device Screen size 1960px, 1024px width, 768px width.

note: some browsers give CORB which block the cover image to be loaded. Tested on Google Chrome and it works so I highly recommend using Google Chrome to access the website.

Link: persianlingvingrugs.epizy.com

II. Pseudocode

Layout structure:

I visualize HTML layout structure using debug.css to make it easy to see boxes, check any unexpected overflow contents. The text might look a bit longer or smaller in different screen.
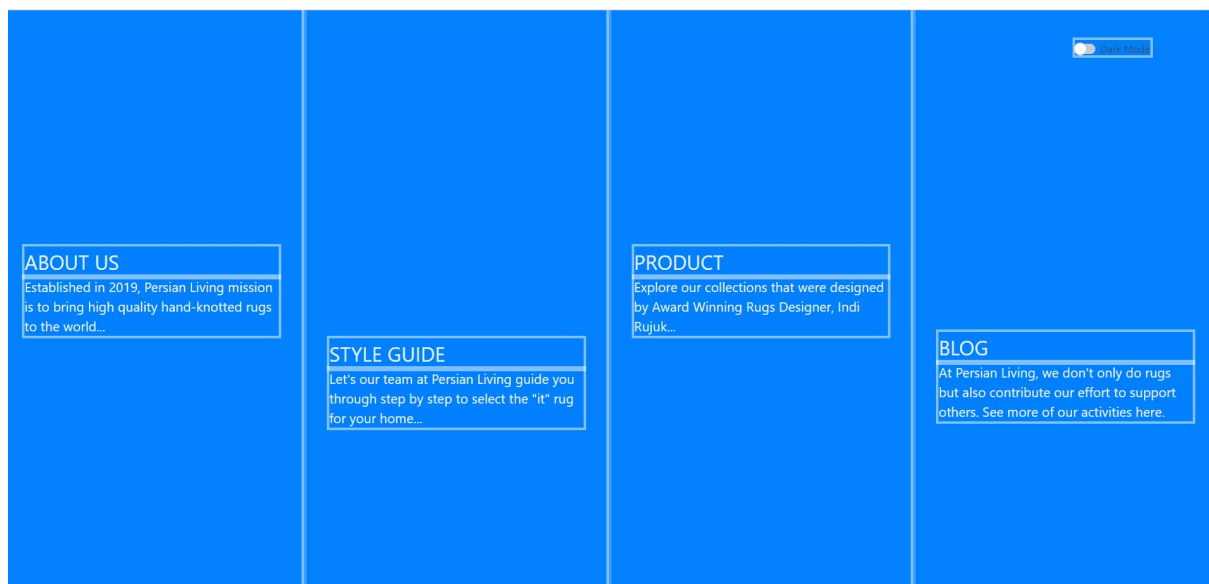
Loading Page

Effects: using SVG animation for loading page logo.

Interactivity: less boring while waiting, cannot click other content while waiting.
Note: normally it takes 10 seconds to fully load the website on first try. Next load will only take <1 second. To see the SVG animation I suggest empty cache and load page.

Navigation section

Section "background"

- container "columns" mask over the image
  o column "mask"
  o column "mask"
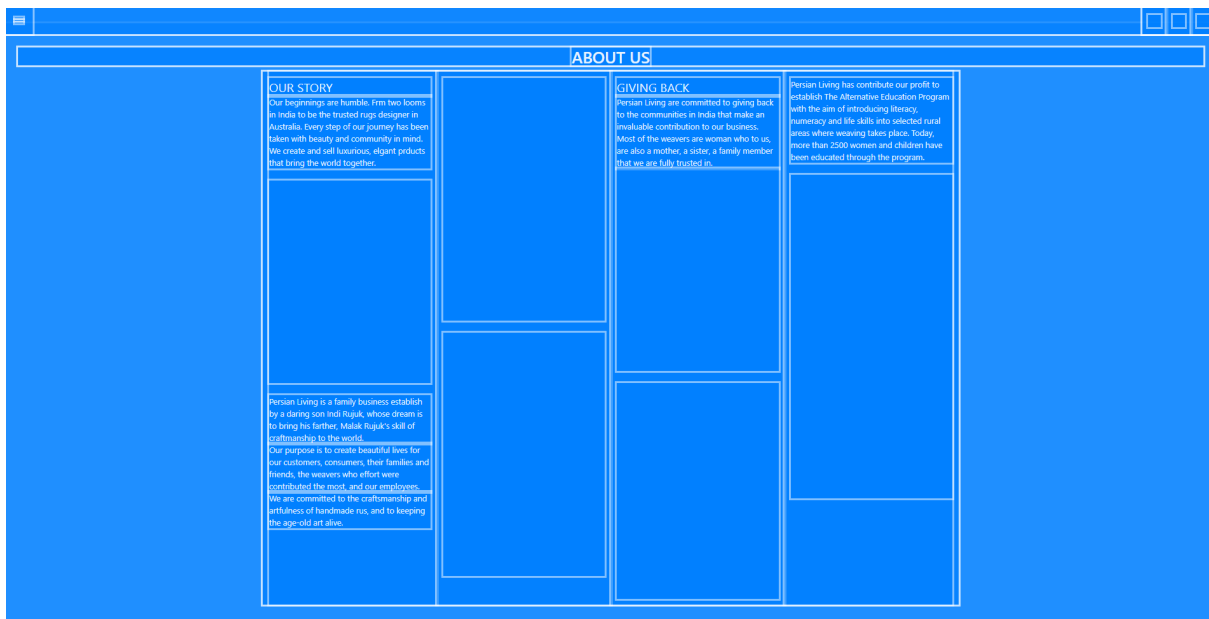 o column "mask"
  o column "mask"

Effects: using css to make hover effect – clear the mask.

Interactivity: - user can click to go to any section

- dark mode: switch to change light/dark mode.

About Us section

navigation bar – sticky on top of the screen

left component: hamburger menu

using javascript to hide and show menu

right component: Facebook, Instagram, Pinterest

section

title

container "columns"

- o column - text and image inside
    - ▪ image
        - ● mask
- o column - text and image inside
    - ▪ image
        - ● mask
- o column - text and image inside
    - ▪ image
        - ● mask
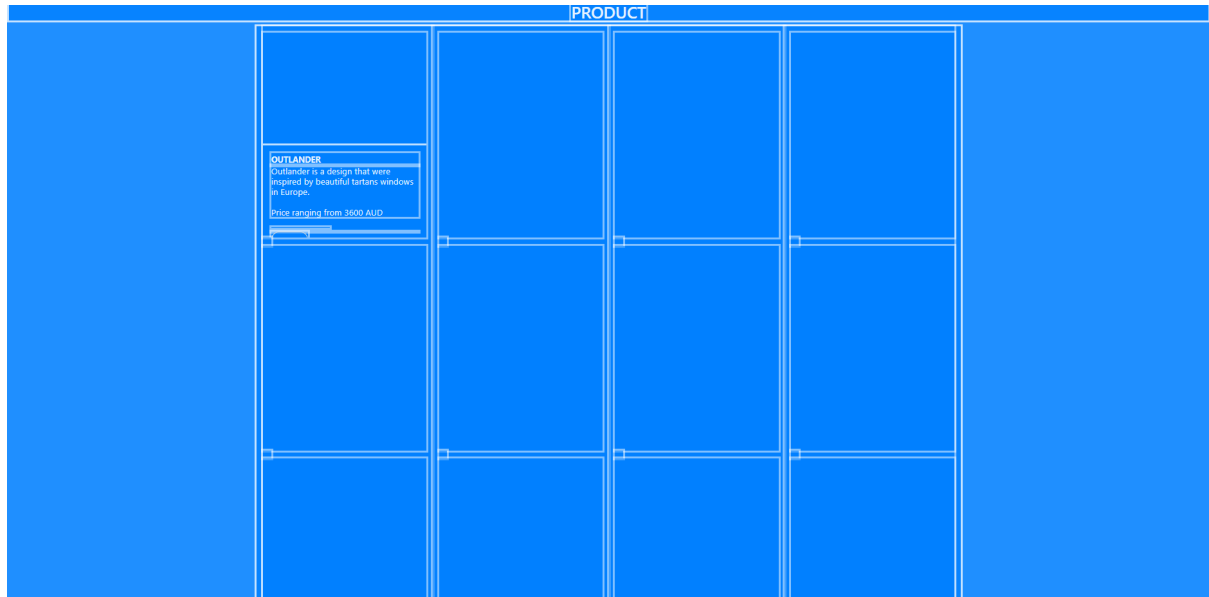- o column - text and image inside
    - ▪ image
        - ● mask

Effects: using css to pop up hidden masks

title slide from right to left when trigger meet middle of the page

(mean it will slide until section perfectly fit the window)

Interactivity: hover image to show hidden mask.

Product section

section

title

container "columns"

- ○ column
  - ▪ 3 images
    - • mask – details and price for each image
- ○ column
  - ▪ 3 images
    - • mask – details and price for each image
- ○ column
  - ▪ 3 images
    - • mask – details and price for each image
- ○ column
  - ▪ 3 images
    - • mask – details and price for each image

Effects: using css to pop up hidden mask

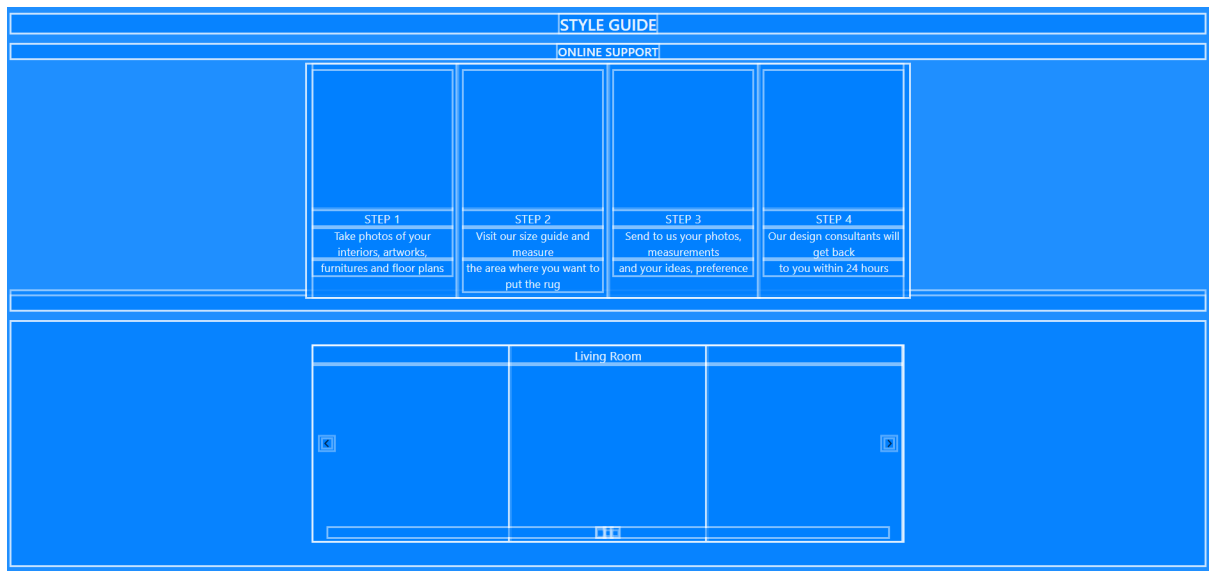title slide from right to left when trigger meet middle of the page

using shoelace and javascript for dialog and button 'Enquiry'

Interactivity: hover image to show hidden mask.

click on Enquiry to show dialog

click anywhere or Close to close dialog

Style Section

section

- title1
- title2
    - container "columns"
        - column -step1
        - column -step2
        - column -step3
        - column -step4
- title3
    - slideshow – contain 9 images, 3per page

Effects: titles slide from right to left when trigger meet middle of the page

using Splidejs to make slide show

Interactivity: click arrow or drag to iterate through size guide image.

Blog section

section

- title
- container "columns"
  - column – 2 small images
  - column – 1 big image
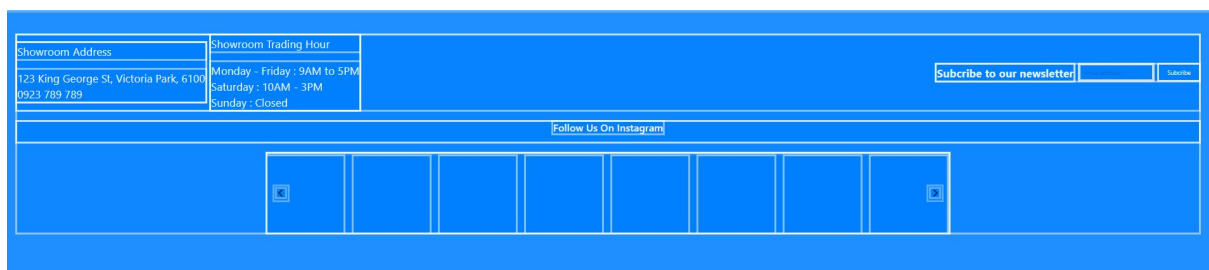 - column - text
  - column – 1 high image

wrap columns in a slide

Effects: using Splidejs to have unlimited blog content.

titles slide from right to left when trigger meet middle of the page

Interactivity: click or drag blog to change blog content.

Footer

footer

container "content"

- left side: text, input, button – align right
- right side: text container, text container – align left

title

- container for 9 images

wrap container in a slide

Effects: using Splidejs to loop the images.

Subscribe button show dialog

using javascript to give function for Subscribe button

interactivity: click subscribe button, a thank you message show

click or drag to iterate images.

III.   Critical Reflection

Through out the process of doing assignment 3, the general feedback I gained from the tutor was good. However, I was absent from class for the two last weeks, therefore, I was not able to receive any further feedback from tutor. This resulted in my final website whereas there are minor errors that weren't appeared how I wanted it to be compare to the proposal in Assignment 2. Through using the library provided by the tutor, I was able to code most of the needed function for my final website.

There are not many differences compare to the proposal form Assignment 2. The only difference is how the shape of icon, buttons appear on the screen. All of the function worked perfectly, I also included dark mode for the website which were not something intended from the beginning. The reason for dark mode is to make the website more up to date with the trend of how website, apps works on device like Smart Phone provide dark mode for user experience. Even though the brief does not ask for Phone layout but I also considered and put in phone responsive as a test to see how things run such as speed, image resolution and interactive elements. The social media button in the proposal are designed in circled shape, however, in the final result, it is put into square box, this outcome was due to the fact that I don't have much knowledge in exporting image from design files to be use for website. While designed these social media button in circled shape but when I export them, they always have a square box outside, while don't want to spend too much time on that details which can make me unable to finish my final website in time, I have to leave them in that square box. However, as the final result, the square box from those social media icon works really well with the shape of the hamburger button.

The only thing I consider as unsuccessful with thin project is that the website loads a little bit slow. Even though I tried to optimize the website and reduce image resolution, the transition of the loading page still takes more time than expected. Overall, the website satisfied all of the design components, interactive element and target audiences' desire. All function worked as planned, the visual look of the website is modern, elegant and also drawn attention of user focusing on the rugs image and the aesthetic of the brand.