



FDU-Vancouver

GILDART HAASE SCHOOL OF COMPUTING SCIENCES AND ENGINEERING  
INFO2105 INTERNET AND WEB APPLICATIONS

## Cross Browser Testing: Javateas

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## Browser Validation


This validation was conducted using two different operating systems (Apple macOS Catalina and Microsoft Windows 10), and five different browsers:

- Google Chrome
- Firefox
- Safari
- Internet Explorer 11
- Microsoft Edge

Google Chrome

Menu - Javateas x +





Not Secure | yinmaung.mywhc.ca/marcelo/javateas/menu.html ☆ Incognito



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Expresso & Coffee Specialty Drinks Salads Catering & Parties

### Expresso & Coffee


Photo	Item	CAD\$
	<b>Espresso</b> <i>Italian Coffee beans.</i> The italian style coffee available on two sizes.	1.95 (single) 2.30 (double)
	<b>Bottomless Coffee</b> In house only.	2.80
	<b>Café Latte</b> <i>Espresso with steamed milk</i>	3.77 (16 oz.) 4.24 (24 oz.)
	<b>Café Mocha</b> <i>Coffee, cheocolate, steamed milk</i>	4.15 (16 oz.) 4.70 (24 oz.)

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Firefox

Menu - Javateas





https://yinmaung.mywhc.ca/marcelo/javateas/menu.html



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Safari

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## Internet Explorer 11

Menu - Javateas

File Edit View Favorites Tools Help

https://yinmaung.mywhc.ca/marcelo/javateas/menu.html Certificate error Search...



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## Microsoft Edge





Menu - Javateas x +

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## Considerations

During the process of browser validation, almost all pages look the same. The Menu page contains a table that is unshaped on Internet Explorer 11. As you can see in the image above related to Internet Explorer 11, the table's right side overflowed the maximum width of the page. The other anomaly is that the bottom border of the body is far from the table's bottom.

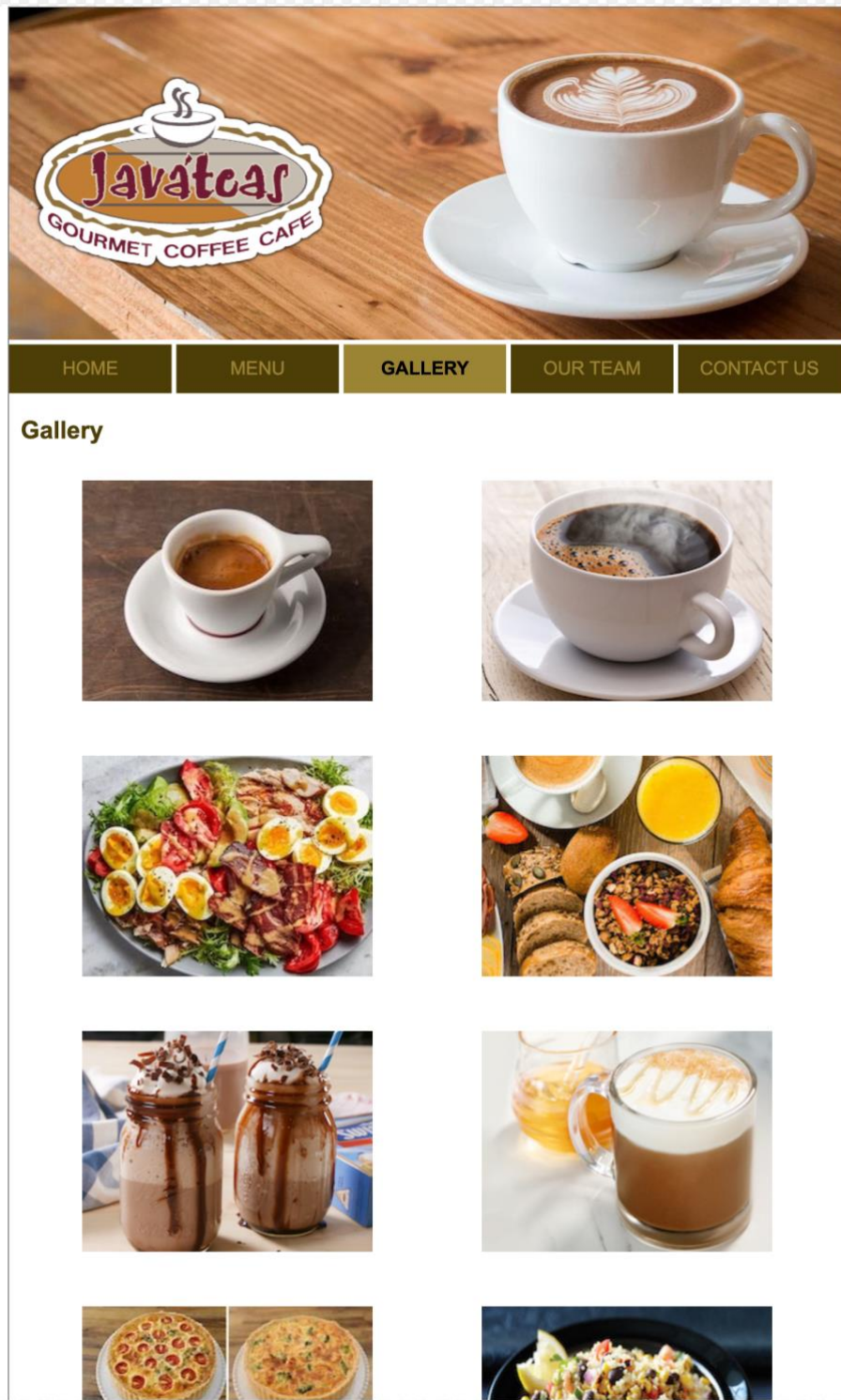
The "hover" functionality worked the same on all browsers, giving the usability no difference or any trouble at all.

## Device Validation

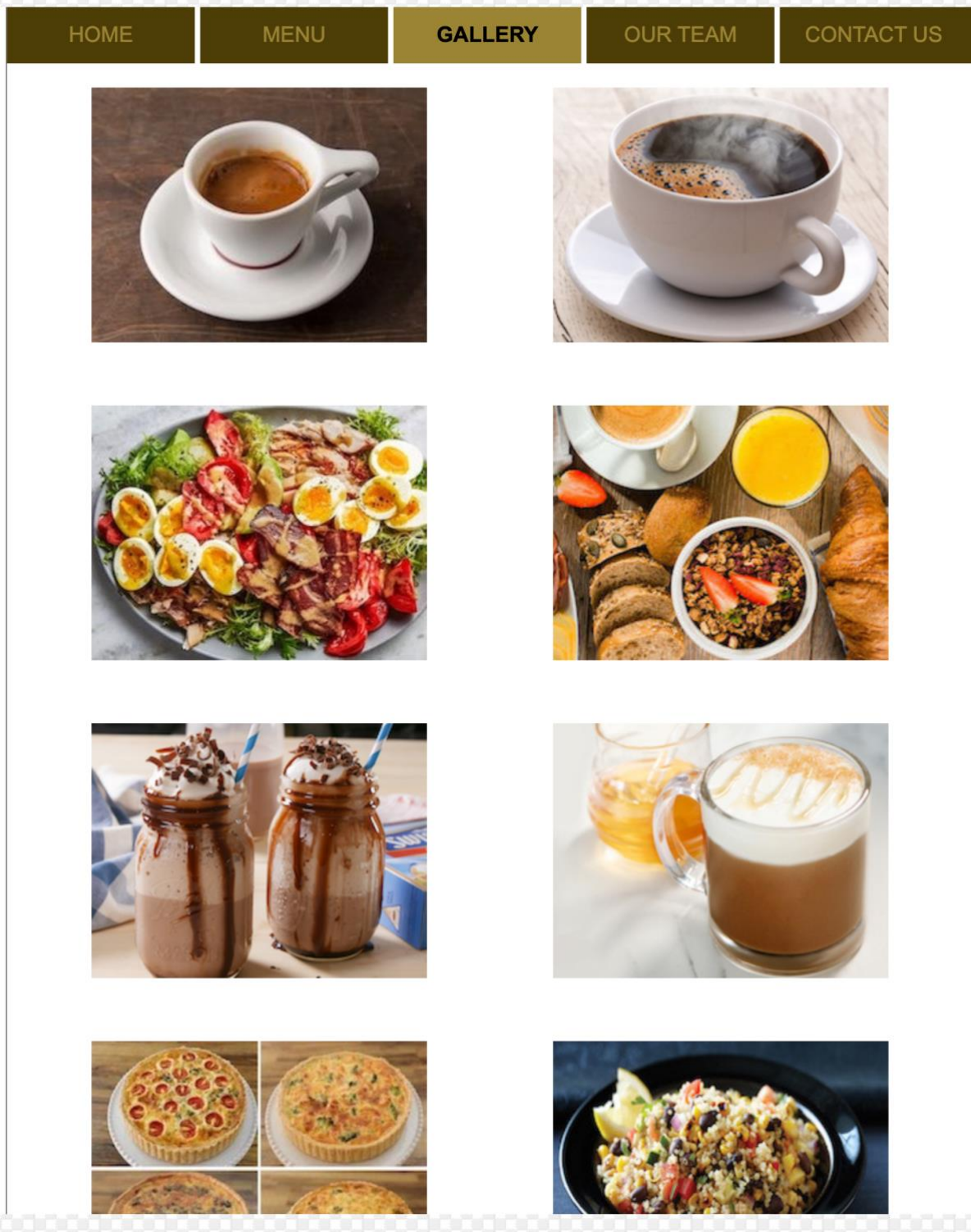
This validation was conducted using a website to check responsible design. The website name is <http://responsivetesttool.com/>, created and managed by Dinson Kadudhus (<http://dinsonkadudhus.com/contact/>).

- Four types of devices will be used on this test:
- Desktop (1920x1200)
- Laptop (1440x900)
- Tablet (Apple iPad mini 768x1024)
- Phone (Apple iPhone X 375x812)

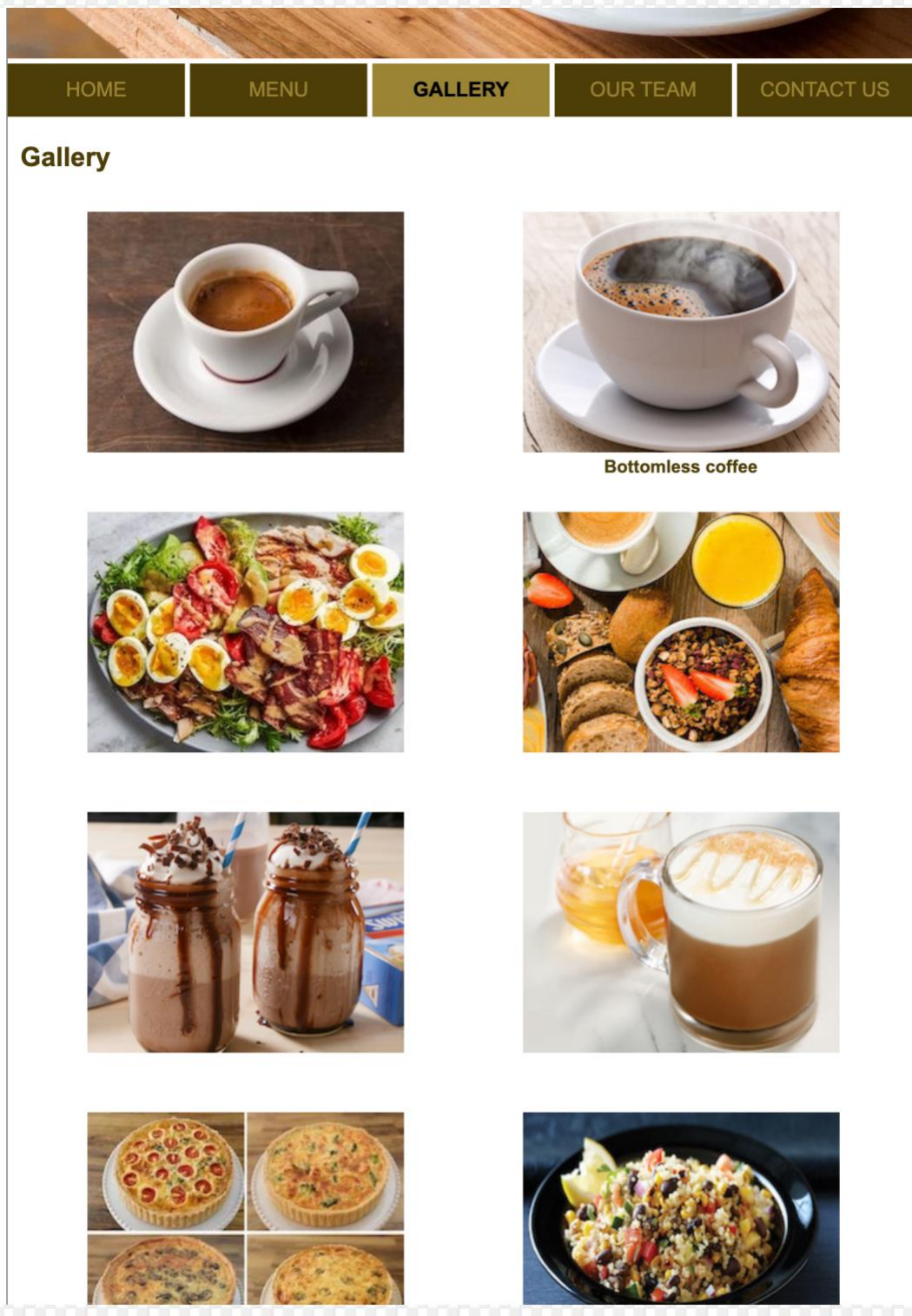
Desktop (1920x1200)



Laptop (1440x900)

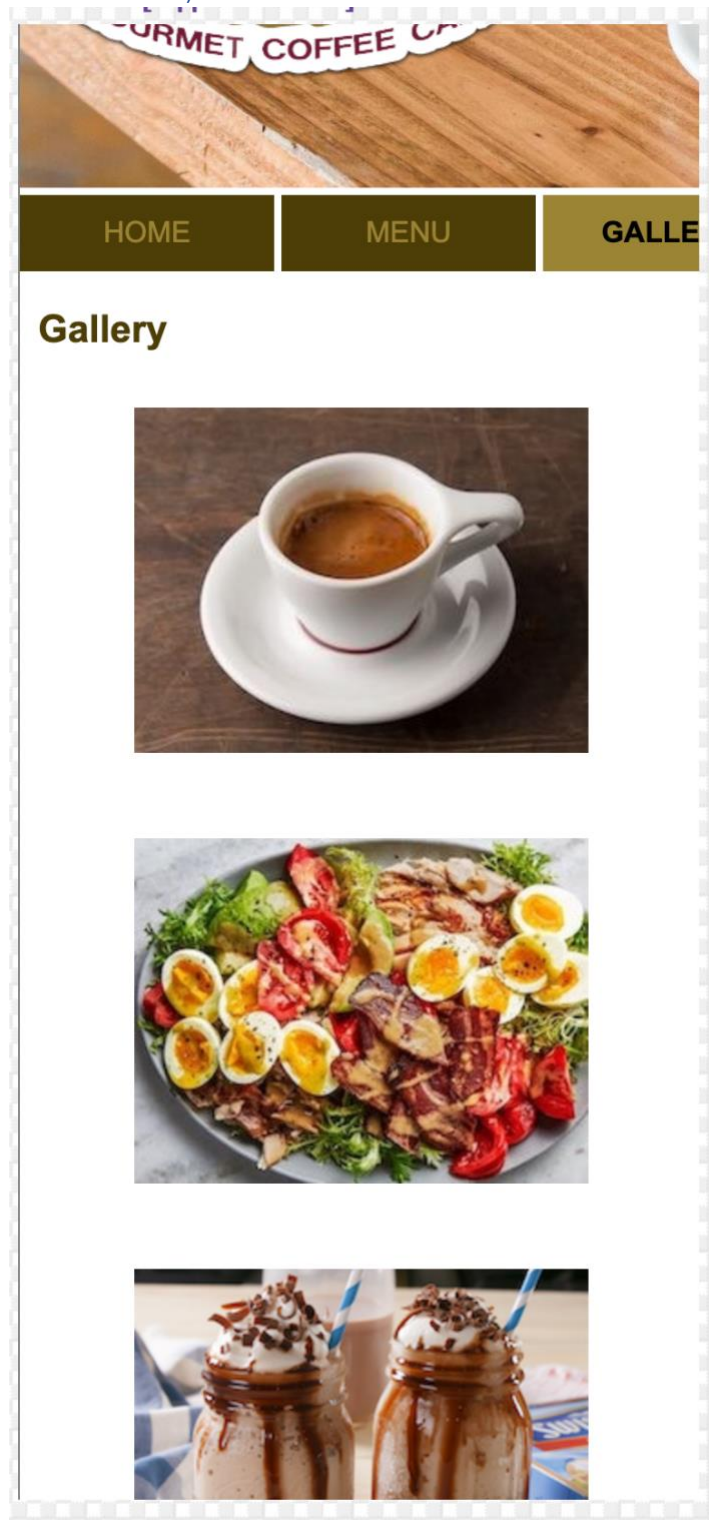


Tablet (Apple iPad mini 768x1024)





Phone (Apple iPhone X 375x812)



## Considerations

Regarding the desktop, laptop and tablet devices, the website did not present any trouble to display all pages in full width. Since the resolution on the laptop and tablet is less than on desktop, the user will have to roll the webpage up to see all the content. Once the rollup happens, the sticky menu will be presented at the top of the page all the time, which is an excellent catch to help the user localize on which page he/she is.

The drawback happened on the phone device. As the resolution is much smaller than the other devices tested above, the website did not adjust, and the navigability and visualization of the information were compromised. Most of the text was cut off, and a horizontal scrolling should be used to see the other side of the website. Besides the sticky menu that helps a bit in this case, the navigability is annoying, giving the user a terrible experience.

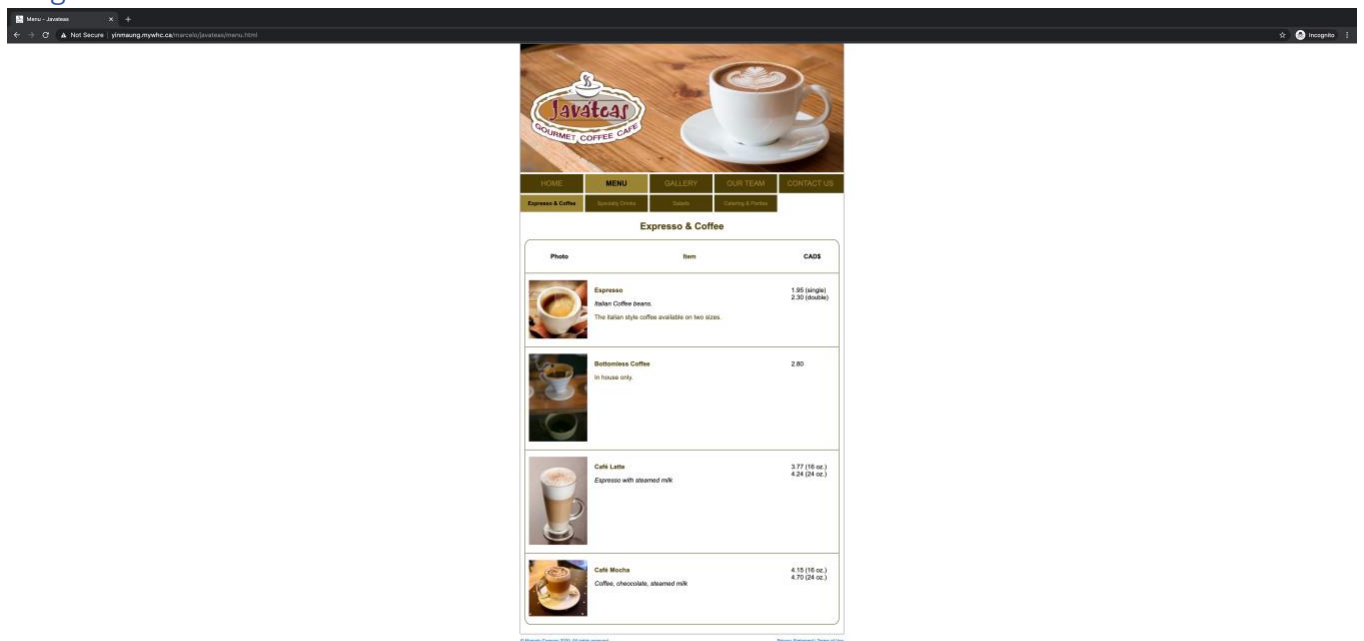
## Desktop Validation

On the desktop validation process, I used the following resources:

- macOS Catalina
- Screen resolution 3008x1692
- Chrome browser

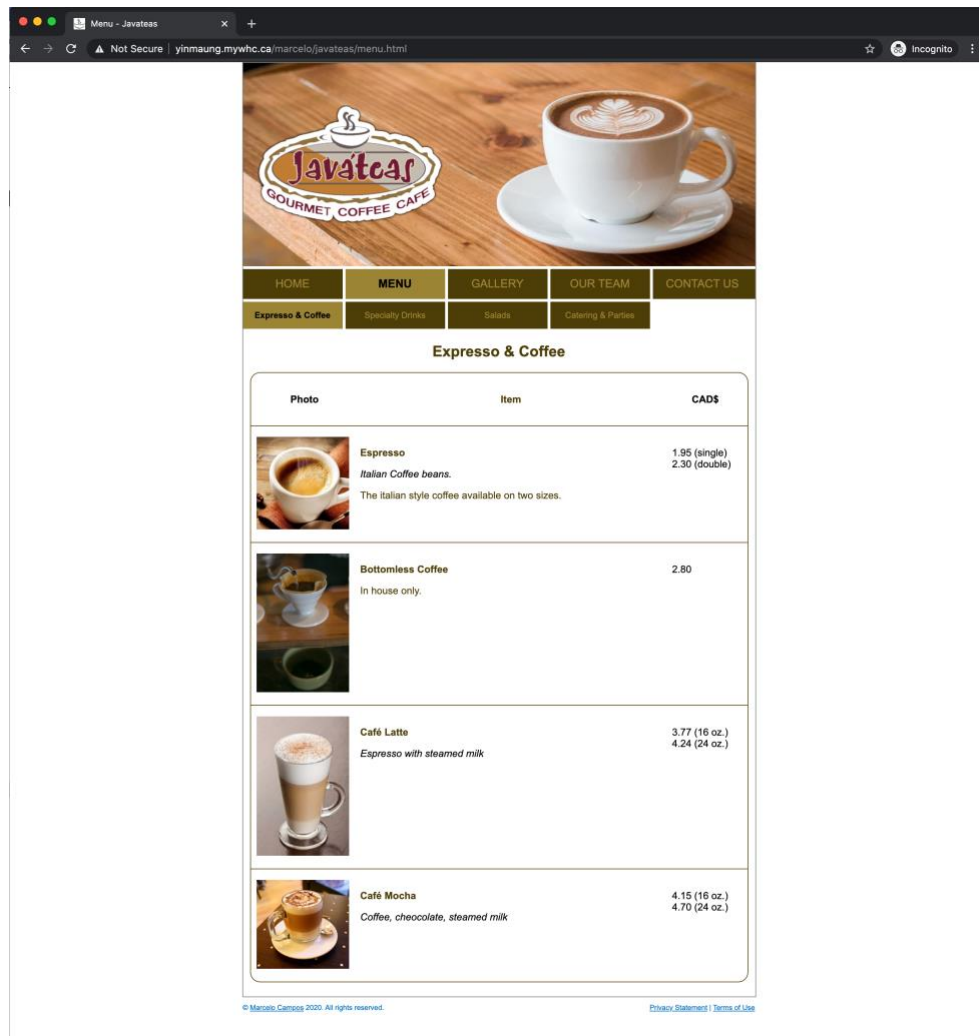
This process will show how the Javateas website behaves when the size of the browser switch between Large, Medium, and Small.

### Large





## Medium



## Small



## Considerations

As displayed on the images above, the layout of this website does not change as the size switches between Large, Medium, and Small.

On the Large size, the user can see the entire webpage on the screen. But the images, fonts and menus are too small. As noticed on the Large image, there is plenty of space on the screen that could be used by this website.

Furthermore, on the Medium size, the visualization is almost the same as presented on the Large screen size image. All the elements are small, leaving the web page a lot of blank space that could be used if the elements could adjust dynamically.

Finally, on the Small size screen browser, notice the same behaviour as happened when this site was opened on the phone. The navigability is terrible, giving the user a nasty experience. It is necessary to use a horizontal scroll bar to browse the laterals of the site. The feeling of using a scroll bar in the navigation could get the user lost about the website's content.

## Answered Questions

**What formatting issues did you find when you viewed it on the different screen sizes?**

The most urging issue is that this website does not automatically adjust according to screen resolution or the browser window size. The images, layout, and font size are always the same does not matter the change on screen and window size. Further, when the window size is small, for instance, the phone of a small window, it is tough to navigate on this website.

**Which screen and browser did you design it for? (what device, screen size and browser did you use when you were previewing your site during development?)**

This site was designed using a 1440x900 screen size layout and Google Chrome browser.

**What do you think was the biggest problem?**

**What should you have done differently?**

**Why is it important to do cross browser testing and across different devices?**

## Works Cited

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design.