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API Integration

Yawoo Game

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APIs

The chosen APIs are Payment Request API and Page Visibility API. Payment Request API is used to receive payment from the users. While the page visibility API is used to check if the users is still focusing on the current webpage.
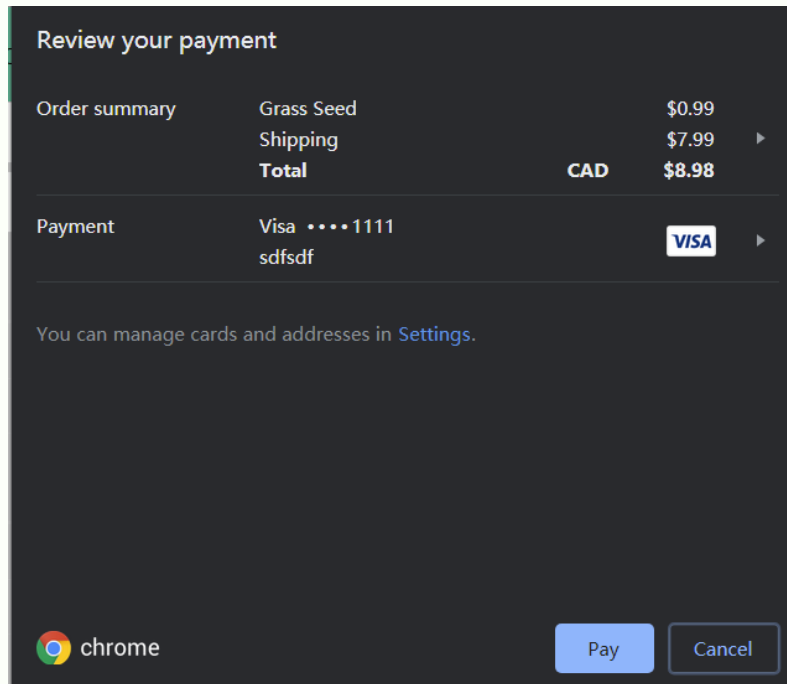
Payment Request API

I am implementing Payment Request API for the purpose of make the checkout step work. It is a sub-page of the Store page.

As my game is free to play, therefore, it is crucial to have some support from micro-transaction. The store page is then critical for the survival of the company.

To consider the most universal and accessible solution, I chose the API that can work on most browsers. In other words, Chrome is the best pick as it has the largest market share.

To test the API, you can use the dumpy credit card: 4111 1111 1111 1111. And Input fake information.

Review your payment

Order summary	Grass Seed		$0.99
	Shipping		$7.99
	Total	**CAD**	**$8.98**
Payment	Visa ••••1111		VISA
	sdfsdf		

You can manage cards and addresses in Settings.

chrome   Pay   Cancel

Page Visibility API

Page visibility API is not a huge function, but it increases the user experience. There are many application with this API that can increase UX, such as load the webpage at the background and check users' status etc. However, for our website, our approach is to check whether the user is still checking our website, and mute it when needed.

One of my page is to demonstrate my games, which is essential my products. The demonstration is in video, and there are many of them. In other words, enhancing the experience of watching video can essentially increase the user experience.
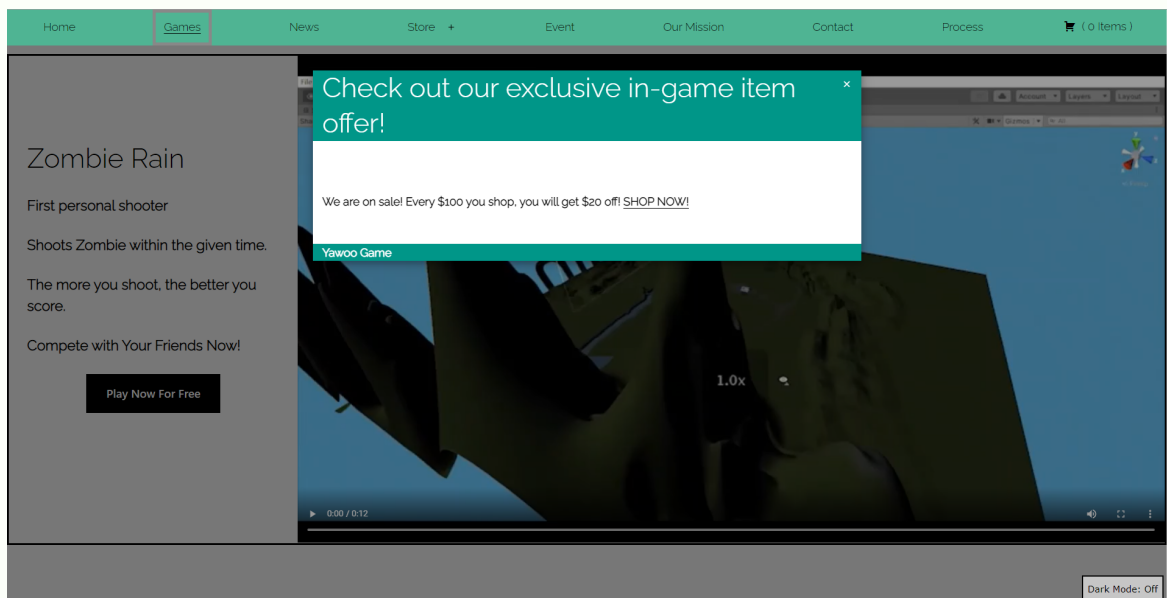
As a result, the videos will pause when the users are not focusing on the page (i.e. minimized the page, switched the tab)
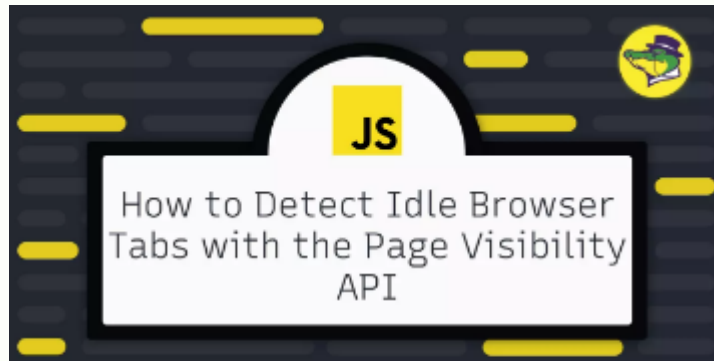
Page Visibility API

Other than increase the UX, I also made use of this API on commercial purpose: I used this API for advertisement.

So the logic for that is: If a user stay on our page long enough that he had to switch tabs or minimized the browser to check my page, the user must be interested in playing and shopping. Therefore, giving this user the offer now must be the perfect time.

With the prompt below, we redirect our users to the shopping page, which perfectly matches our conversion goals.

Reference:

https://alligator.io/js/page-visibility-api/

https://developer.mozilla.org/en-US/docs/Web/API/Payment_Request_API/Using_the_Payment_Request_API
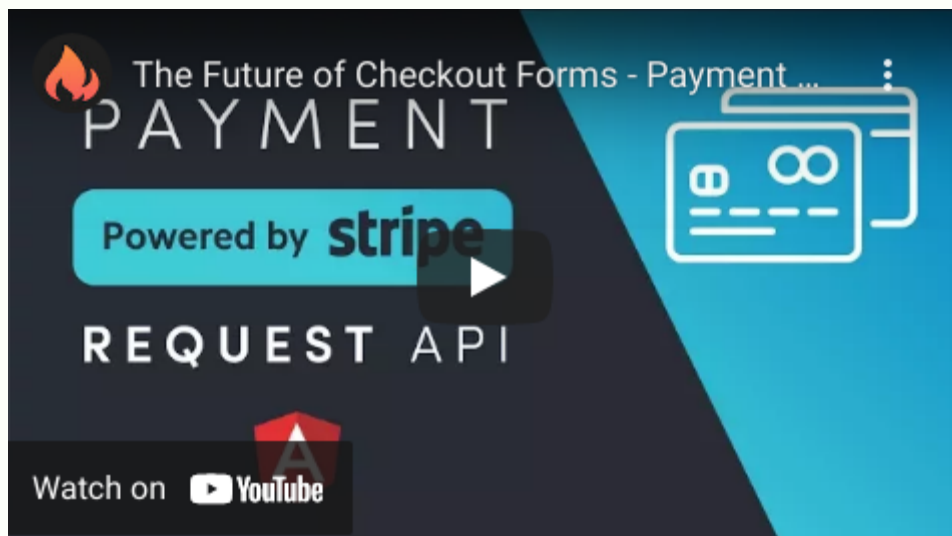
https://www.youtube.com/watch?v=sWC0jwNyl2s&ab_channel=Fireship