COMP2132 ASSIGNMENT 08

OBJECTIVES

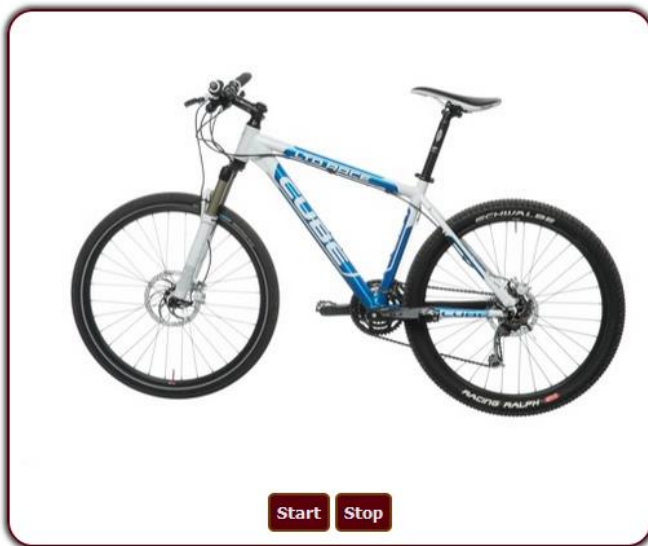Apply timers and animations to a web page.

DUE DATE

Assigned during session08, due 11:59pm the night before session09.

REQUIREMENTS

HTML/CSS

Use the *product-images/* files provided with this assignment. Design a product rotation viewer and a delayed pop-up. It should display one of the product images along with buttons for starting and stopping.

MORE ON NEXT PAGE...

SCRIPTING: POP-UP

Include in the HTML a pop-up styled to be in front of all page content. The pop up should include instructions on how to use the product rotation feature, for example: "To rotate the view of the bike, click on the 'Start' animation button. Stop the animation by clicking the 'Stop' button." The pop-up should have an initial CSS opacity of 0 (fully transparent). Apply Javascript code for the following effects:

- If a user visits the page and does not click the Start button after 3 seconds, show them the pop-up element by changing its opacity to fade in from 0 to 1 over one second.
- If the user clicks the Start button within 3 seconds of arriving on the page, do not show the pop-up at all
- Enable a Close button in the pop-up so that clicking it will hide the pop-up (eg: either change opacity from 1 back to 0, or apply a display property of none)

SCRIPTING: PRODUCT ROTATION

When a user clicks the Start button, use **requestAnimationFrame( )** to swap the bicycle image from one image to the next (images 1-34) and then from image 34 back to 1 to display all images over and over again.

When the user clicks Stop button, cease the animation at whichever image was currently being shown through the cycle (eg: when the animation is stopped, don't go back to showing image 1).

The default spinning animation speed per frame is too fast, so add a **setTimeout( )** to slow it down to one tenth of a second (100 milliseconds)

Ensure that if the user clicks the Start button more than once the spinning animation will not appear to speed up

NOTES

Use page scope variable to track important page states such as the number of the image currently being shown, and whether or not the user has started the animation or not.

You may utilize jQuery for some aspects of this assignment, but you will need to use **requestAnimationFrame( )** in order to animate the src="" of the bicycle image.

SUBMISSION

Before the due date, compress all assignment resources (HTML, CSS, JS, images, folders, etc) into a single **.ZIP**. Upload **.ZIP** to