Documentation for Monash physics and biology website

List of animations and interactions implemented in each page section

Header:

Upside down flip animation effect has been used on the title text on the website. The duration of the animation effect has been set to 1 second. The animation effect plays 1 second after the user opens the website.

In the main menu of the website, CSS effects have been used on the buttons. The hover effect has been styled using CSS. When the user hovers over the buttons on the menu, the color of the buttons change, indicating to the user that the cursor is on the button.

Page 1(introduction):

On the first/intro page of the website, a zoom-in animation effect has been added to the image. The event listener for implementing this animation used was “scroll-down”. As the user scrolls down slightly below the header, the animation effect activates. The duration for the animation is set at 1 second.

Page 2(Physics):

In the background of the second page, a parallax effect has been added using CSS. An image of electricity has been placed on the background for the parallax effect. An animated image slider has been added in the page which contains some information along with images and left/right sliders. Javascript animation has been added on the slider. As soon as the user hovers their mouse over an image, the caption of the image is displayed on the screen with a fade effect. The duration of the fade in effect is set at 0.5 seconds after the mouse hover.

Page 3(Life with Physics):

In the background of this page, the same parallax effect as the last page has been added. The same parallax effect has been used to show continuity of the topic. A fade in animation effect has been added on the text. The animation is added using jquery. The event listener for the animation effect is the mouse scroll-down. As soon as the users mouse scrolls down and reaches this page, the animation effect starts. Another animation effect has been added on the image. A zoom in animation effect has been added and the duration of the effect is set to be 2 seconds, which is 1 second after the text. This effect has been added so that the user first looks at the text, then looks at the image. A css gradient effect at 180 degrees has also been added in the text box to give an aesthetically pleasing look.

Page 4(Biology):

In the background of this page there is a parallax effect. Two animation effects have been added on the elements of this page. Fade in is added on the text box as well as the image. The fade in animation is set at 1 second. The animation effects event listener is the mouse scroll. Css gradient effect at 180 degrees is added on the text box to match the style guide and give an aesthetic look.

Page 5(Life with Biology):

The same parallax effect as the previous page has been implemented to show continuity of the topic. All the six elements in this page have a zoom in effect. The Event listener for the effect is mouse scroll. All the animation effects are set

at 1 second so they appear on the page at the same time. A video has been added in the page for an immersive experience.

Page 6(Contact us):

CSS gradient has been used in this page in the contact form to add to the aesthetic appeal. The submit button also has css effects including hover and click. The color of the button changes as the user hovers over it or clicks it.

List of references for all third-party assets

References

https://pixabay.com/images/id-2030265/

https://www.pexels.com/photo/blue-electric-sparks-68173/

https://www.pexels.com/photo/yellow-bulb-1556704/

https://pixabay.com/images/id-1209364/

https://www.pexels.com/photo/hitachi-white-black-angle-grinder-162534/

https://pixabay.com/images/id-163466/

https://pixabay.com/images/id-1872666/

https://www.pexels.com/photo/tiny-red-scarlet-lily-beetle-on-green-plant-4147661/

https://www.pexels.com/photo/digital-formation-of-a-dna-in-an-animated-presentation-3191572/

https://pixabay.com/images/id-2606759/

https://pixabay.com/images/id-326923/

https://www.pexels.com/photo/digital-projection-of-abstract-geometrical-lines-3129671/

https://www.froala.com/wysiwyg-editor

https://daneden.github.io/animate.css/

github.com/necolas/normalize.css

http://codepen.io/dimsemenov/pen/yyBWoR

https://blog.keanulee.com/2014/10/20/the-tale-of-three-spinners.html

https://www.youtube.com/watch?v=huVJW23JHKQ

https://github.com/kevin-powell/slide-in-with-intersection-observer

https://www.youtube.com/watch?v=7Op6xdhXVHI

https://simplesnippets.tech/zoom-in-zoom-out-animations-effect-using-javascript/

https://www.youtube.com/watch?v=yuMldiEW3TI

https://www.youtube.com/watch?v=H4gKIA0N-jA

https://www.youtube.com/watch?v=2AQeK_0kexU

https://www.youtube.com/watch?v=3cU0xYTXQdc

https://www.youtube.com/watch?v=j_BgnpMPxzM

https://www.youtube.com/watch?v=KcdBOoK3Pfw

https://www.youtube.com/watch?v=fNcJuPIZ2WE

https://codepen.io/WebDevSimplified/pen/KLjNYE
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