**Expanding cards and Quiz**

In this project we have created a page with expanding cards, when we select a bar it expands and the content within it gets visible and further we have added a quiz using JavaScript and jquery.

Some of the properties and elements used in the project are described below:

jQuery

- jQuery is a small, light-weight and fast JavaScript library. It is cross-platform and supports different types of browsers.

- jQuery is platform-independent.

- It facilitates the users to write UI related function codes in minimum possible lines.

JavaScript

-JavaScript is a lightweight, interpreted programming language

-JavaScript is very easy to implement because it is integrated with HTML. It is open and cross-platform

Button- It enables us to represent a clickable button, used to submit forms or anywhere in a document for accessible, standard button functionality.

* Flex Box
* a method that could offer space distribution between items in an interface and powerful alignment capabilities.
* When working with flexbox you need to think in terms of two axes — the main axis and the cross axis. The main axis is defined by the flex-direction property, and the cross axis runs perpendicular to it.
* The main axis is defined by flex-direction, which has four possible values :

row

row-reverse

column

column-reverse

* Animation

-An animation lets an element gradually change from one style to another.You can change as many CSS properties you want, as many times as you want.

-To use CSS animation, you must first specify some keyframes for the animation.Keyframes hold what styles the element will have

-The animation property is a shorthand property for:

* [animation-name](https://www.w3schools.com/cssref/css3_pr_animation-name.php)
* [animation-duration](https://www.w3schools.com/cssref/css3_pr_animation-duration.php)
* [animation-timing-function](https://www.w3schools.com/cssref/css3_pr_animation-timing-function.php)
* [animation-delay](https://www.w3schools.com/cssref/css3_pr_animation-delay.php)
* [animation-iteration-count](https://www.w3schools.com/cssref/css3_pr_animation-iteration-count.php)
* [animation-direction](https://www.w3schools.com/cssref/css3_pr_animation-direction.php)
* [animation-fill-mode](https://www.w3schools.com/cssref/css3_pr_animation-fill-mode.php)
* [animation-play-state](https://www.w3schools.com/cssref/css3_pr_animation-play-state.php)
* CSS shadow property

-The box-shadow property attaches one or more shadows to an element

-Properties

* None
* H-offset
* V-offset
* Blur
* Spread
* Color
* Inset
* Initial
* inherit

* Responsiveness

-A responsive web design will automatically adjust for different screen sizes and viewports.

-Responsive Web Design is about using HTML and CSS to automatically resize, hide, shrink, or enlarge, a website, to make it look good on all devices