JQuery

JQuery Intro

jQuery is a fast, small, and feature-rich JavaScript library. It makes things like HTML document traversal and manipulation, event handling, animation, and Ajax much simpler with an easy-to-use API that works across a multitude of browsers. With a combination of versatility and extensibility, jQuery has changed the way that millions of people write JavaScript.

https://jquery.com/

Importing JQuery

For development

```
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js"></script>
```

For production

Always download the JQuery file and import it to your webserver

JQuery Syntax

$(*Identifier*).*action*(function() {

       Whatever you want this function to do

});

Identifier - The ID or Class or Type of the object you want to interact with

Action - What will trigger or action this function to occur

Example:

       $('p').click(function(){

              $('p').hide();

       });

JQuery Events

There are MANY events (or actions) in JQuery that you can use. Here are a few

- click
- dblclick
- mouseenter
- mouseleave
- keypress
- ready

Lets try it

$('*#IdOfElement*').*action*(function() {

});

- click
- dblclick
- mouseenter
- mouseleave
- keypress
- change
- load

JQuery Effects

There are multiple animation effects built into JQuery. Here are a few

- Hide
- Show
- Slide
- Animate

JQuery Hide/Show

Hide and Show allow you to hide and show an element on a page. It accepts a speed parameter as well.

```
$("p").hide();

$("p").hide(1000);

$("p").show();

$("p").show(1000);
```

JQuery Slide

Slide will move an element across the screen in a given direction. It accepts a speed and callback (what will be executed after the slide transition occurs).

$("p").slideUp("slow");

$("p").slideDown("slow");

$("p").slideToggle("slow");

JQuery Animate

Animate allows you to change the CSS properties of any given element. It accepts parameters along with a speed and callback

```
$("p").animate({left: '100px'});
```

JQuery UI

JQuery UI is a library of pre styled elements

https://jqueryui.com/

Try Implementing 2 JQuery UI Elements