In-Class Activity #10 – Using jQuery UI
DUE SUNDAY 24/04/2025 23.59

The goal of this lab is to get familiar with JQuery. In this lab, you will learn to use JQuery UI, which is a UI framework for JQuery.

Part 1: Download JQuery UI library

1. Download stable version from https://jqueryui.com/
2. Create a new html file and name it Activity10.html
3. Create a new CSS file and name it Activity10.css
4. Include jquery-ui.css (in the head element)
5. Create a js file and called it Activity10.js
6. Include jquery.js, jquery-ui.js, Activity10.js (in the head element, after the css file)
   a. By using script element
   b. Keep the order

Part 2: Design the following form

For entering placeholder text for an input element, you can use placeholder attribute. "Enter a valid email address" is a placeholder.
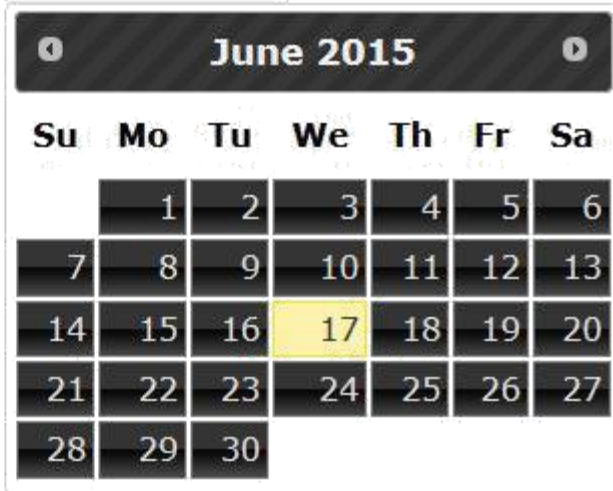
Part 3: Show a datepicker

Whenever the user clicks on input for the "What is your birthday" we want to show a datepicker

What programming language
do you know?

What is your birthday?

Email Address

Website

submit

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Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

In JQuery UI, you can add datepicking functionality to an input element by

HTML code:

```
<input id="birthday" type="text" />
```

JQuery code:

```
$( "#birthday" ).datepicker();
```

Part4: Enable auto completion capability for an input element

Whenever, the user enters a character inside an input we want to show him/her all possible options. This is called auto completion capability. Like below pictures.

What programming language do you know?

What is your birthday?

Email Address

Website

submit

ActionScript
AppleScript
Asp
JavaScript
Lisp
Perl
PHP
Python

To add auto completion capability to input by using JQuery UI, do the following steps:

HTML:

1. Define your input element

    <input id="city" type="text" required="" />

2. Define an array with some elements in it (JavaScript)

    var cities = [

     "Charlotte",

    "New York",

    "Washington DC"

    ];

3. Enable auto completion capability for the specified input element (JQuery, JQuery UI)
    $("#city").autocomplete({
     source: cities
    });

Part 5: Input validation using HTML5

Read about input validation in HTML 5 (http://www.the-art-of-web.com/html/html5-form-validation/)

Try to validate the following rules:

Prevent user to enter invalid email address and url. The input for "What programming language do you know" should be filled.

Hint: you need to learn about required attribute also need to learn about possible values for type attribute

What programming language
do you know?

What is your birthday?

Email Address   Enter a valid email add

Website   wwww

submit

Part 6: Submission

Make a zip file from all the necessary files and upload it on Aybuzem. The name of file should be [lastname]-Activity10.zip like yilmaz-Activity10.zip, and place in the Notes the URL of your website.

SUBMISSIONS WITHOUT THE URLS WILL AUTOMATICALLY RECEIVE ZERO