Homework 3 Review
Goal: Recreate Twitter UI to Post a tweet

Write a tweet
Call me Ishmael. Some years ago—never mind how long precisely—having

-37

Post Tweet

POSTS
chilton  Most recent post
chilton  More ambitious third post
chilton  Second post
chilton  First post
HTML: Why do I have the `tweet_length_feedback` div?
JS: What does this do?

Line 97 attaches a “keypress” event listener to the textarea
What does this do?
Why is this a good next step?

It allows us to check if line 98 does what we expect.

Does it?
Not quite. What might be the problem?

What should we try to fix?
Keyup event seems better. Does it work?

```javascript
$("#write_tweet").keyup(function(){
  var tweet_text = $(this).val()
  console.log("tweet_text: "+tweet_text)
});
```

Now what?
Display the characters left

```
$("#write_tweet").keyup(function(){
  var tweet_text = $(this).val()
  console.log("tweet_text: "+tweet_text)

  var tweet_length = tweet_text.length
  var chars_left = max_tweet_length - tweet_length

  
  
  $("#tweet_length_feedback").html(chars_left)
})
```

Now what?
Turn negative characters red. Like this?

```javascript
$('#write_tweet').keyup(function(){
  var tweet_text = $(this).val()
  console.log('tweet_text: '+tweet_text)

  var tweet_length = tweet_text.length
  var chars_left = max_tweet_length-tweet_length

  if(chars_left<0){
    $('#tweet_length_feedback').css('color', 'red').css('font-weight', 'bold')
  }else{
    // ???
  }

  $('#tweet_length_feedback').html(chars_left)
})
```

Now what?
Add a class

```javascript
$('#write_tweet').keyup(function(){
  var tweet_text = $(this).val()
  console.log("tweet_text: "+tweet_text)

  var tweet_length = tweet_text.length
  var chars_left = max_tweet_length-tweet_length

  if(chars_left<0){
    //turn characters red
    // NO
    //$("#tweet_length_feedback").css("color", "red").css("font-weight", "bold")
    // YES
    $("#tweet_length_feedback").addClass("length_warning")
  }

  else{
    // ???
  }

  $("#tweet_length_feedback").html(chars_left)
})
```

Now what?
Next - remove the class. When?

```javascript
$("#write_tweet").keyup(function()
    var tweet_text = $(this).val()
    console.log("tweet_text: "+tweet_text)

    var tweet_length = tweet_text.length
    var chars_left = max_tweet_length - tweet_length

    if(chars_left<0){
        // turn characters red
        // NO
        //$("#tweet_length_feedback").css("color", "red").css("font-weight", "bold")
        // YES
        $("#tweet_length_feedback").addClass("length_warning")
    }else{
        $("#tweet_length_feedback").removeClass("length_warning")
    }

    $("#tweet_length_feedback").html(chars_left)
})
```
Write a tweet

Call me Ishmael. Some years ago—never mind how long precisely—having

-37  Post Tweet

POSTS

<table>
<thead>
<tr>
<th>chilton</th>
<th>Most recent post</th>
</tr>
</thead>
<tbody>
<tr>
<td>chilton</td>
<td>More ambitious third post</td>
</tr>
<tr>
<td>chilton</td>
<td>Second post</td>
</tr>
<tr>
<td>chilton</td>
<td>First post</td>
</tr>
</tbody>
</table>
How do we start?

Add a click event listener (handler) to the post_tweet button
What does create_post do?

```javascript
var create_new_post = function(username, tweet_text){
    var newDiv = $('"<div class='single_post_container'">"')
    var nameSpan = $('"<span class='post_username'">"')
    nameSpan.html(username)

    var tweetDiv = $('"<span class='tweetText'">"')
    tweetDiv.html(tweet_text)

    newDiv.append(nameSpan)
    newDiv.append(tweetDiv)
    $('"#posts_container'').prepend(newDiv)
}
```
What else does it need to do?

a. When the user presses the "post tweet" button the following things must happen:

i. The post must appear with the poster’s username (not an image). The username can be hard coded in JavaScript (but not in HTML). The post text cannot be hard coded (obviously).

ii. New posts must appear at the top of the list of posts, so that users see the latest tweets at the top of the list.

iii. The text in the box where users write tweets must disappear.

iv. The number that counts the number of characters remaining must return to the maximum number.

v. The cursor must return to the box where the user writes tweets (so that they can immediately start writing another tweet!)
After the text clears, then what?

a. When the user presses the “post tweet” button the following things must happen:

i. The post must appear with the poster’s username (not an image). The username can be hard coded in JavaScript (but not in HTML). The post text cannot be hard coded (obviously).

ii. New posts must appear at the top of the list of posts, so that users see the latest tweets at the top of the list.

iii. The text in the box where users write tweets must disappear.

iv. The number that counts the number of characters remaining must return to the maximum number.

v. The cursor must return to the box where the user writes tweets (so that they can immediately start writing another tweet!)
After the tweet length = 30m then what?

a. When the user presses the “post tweet” button the following things must happen:

i. The post must appear with the poster’s username (not an image). The username can be hard coded in JavaScript (but not in HTML). The post text cannot be hard coded (obviously).

ii. New posts must appear at the top of the list of posts, so that users see the latest tweets at the top of the list.

iii. The text in the box where users write tweets must disappear.

iv. The number that counts the number of characters remaining must return to the maximum number.

v. The cursor must return to the box where the user writes tweets (so that they can immediately start writing another tweet!)
There’s one more thing I do. Why?