

Tutorial 2

Creating a Twitter timeline

In this tutorial we will be looking at how to create a simple Twitter timeline. This tutorial will focus only on the frontend aspect.

1. Start off by creating a text box and a button associated with it.
2. Create a div under the text box and button that will represent the tweets timeline. Every time a new tweet is received, it will be appended to this div.
3. Create an onclick handler for the button that appends the tweet that is typed out in the text box to the div area.
4. Each tweet should have the following structure:

```
{  
  name: 'Anonymous',  
  tweet: 'Hello World',  
  timestamp: 1647208675675  
}
```

For now you can hardcode the name as Anonymous as we have not implemented functionality to differentiate tweets by user. The timestamp represents the number of milliseconds since epoch time. You can use the Date object in Javascript to get this. [Here is the official documentation \(https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Date/getTime\)](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Date/getTime) for the Date object and epoch time in Javascript. As a bonus, try displaying the timestamp alongside the tweet in a human readable format (ie. dd/mm/yyyy).

5. Alert the user when the tweet is empty or when they have exceeded 280 characters.