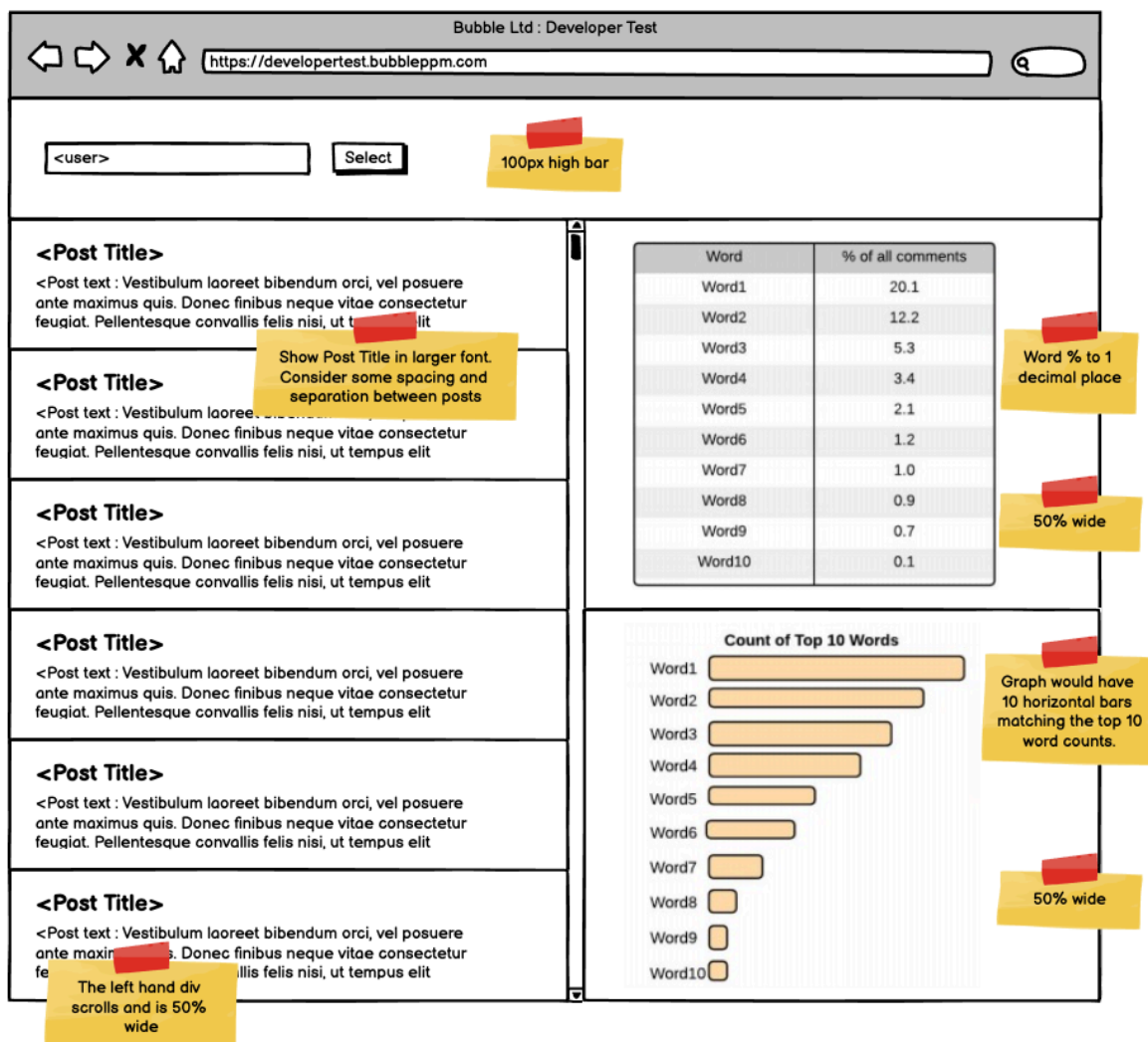# JavaScript Test v1.0

This test is for Javascript Engineers applying for a position at Bubble Limited. The test should take around 1.5 - 2 hours to complete. Complete using whatever tools you feel comfortable using,but ensure you can point us at a working solution. The focus is completing the task, we do not expect a perfect presentation or a responsive page, but these of course would be a bonus. Our main focus is the approach taken and quality of HTML, CSS and in particular JavaScript. Feel free to use libraries as appropriate.

Wireframe

The following wireframe shows the layout for the page:

User Journey

The user journey is as follows:

- ● The person using the site can search for and select a user by name.
- ● Having selected a person by name, the user will see:
    - ○ A list of all posts for that user
    - ○ A table of the top 10 words (see below).
    - ○ A histogram (horizontal bar chart) of the top 10 words (see below).

APIs

APIs which should be used:

- ● GET all users - https://jsonplaceholder.typicode.com/users
- ● GET posts for a user - https://jsonplaceholder.typicode.com/posts?userId=X, where X is the userId.
- ● GET comments for a post http://jsonplaceholder.typicode.com/comments?postId=Y , where Y is the postId. No other APIs should be used.

Top 10 Words

The top 10 word statistics are:

- ● The **word data set** used for the top 10 words is calculated from all words within the body field of all comments relating to all posts for that user.
- ● For the table, the top 10 words should be represented as the percentage that those words occur within the entire word data set (not just the top 10 words).
- ● For the histogram, the top 10 words should be the count of how many times those words occur within the entire word data set.