# String Matching Visualiser (v1) Evaluation

**13**
Responses

**18:26**
Average time to complete

**Active**
Status

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1. Firstly, please navigate to the visualiser and execute the brute force string search algorithm with text and pattern of your choice (or use the defaults). Please try out :
   - features at the footer (going backwards, playing, going forwards, reset, speed change and current step)
   - different browser window sizes
   - potentially run the website on a mobile phone

   If you encounter any bugs, please describe them below.

**9**
Responses

**Latest Responses**
*"Very bug free, didn't encounter any issues. Really like the a...*
*"no bugs found"*
*"There are no bugs, working perfectly! "*

**4** respondents (**44%**) answered **no bugs** for this question.

screen sizes    previous
bug free
**no bugs**    Text t
brute force
midway through changing    scree
textLength and patte

2. Repeat steps from Q1 but with the Boyer Moore string search algorithm.

   As before, if you encounter any bugs, please describe them below.

<table>
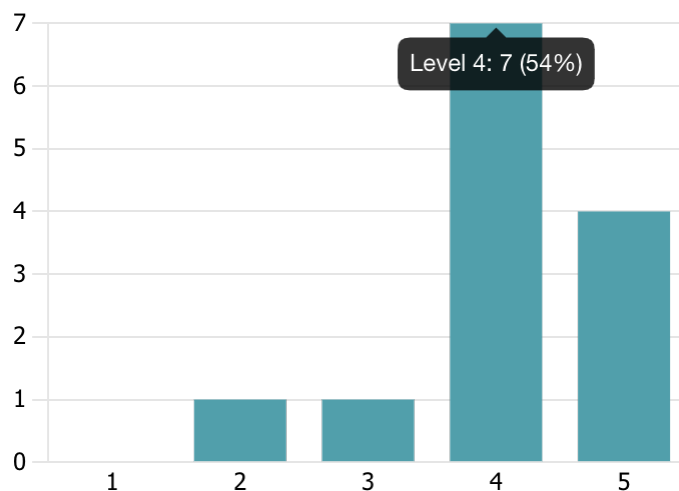<tr><td align="center">8<br>Responses</td><td align="center">Latest Responses<br><i>"Again didn't notice any obvious bugs!"</i><br><i>"no bugs found"</i><br><i>"There are no bugs again"</i></td></tr>
</table>

**4** respondents (**50**%) answered **no bugs** for this question.

strings

occurrence

no bugs   obvious bu
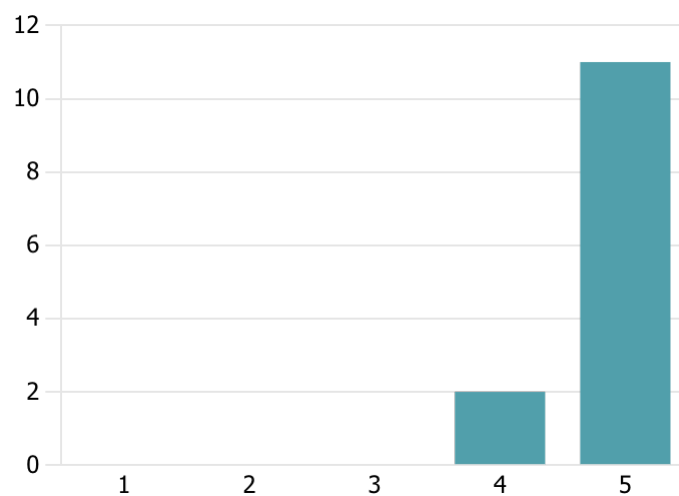
Occurance

lastOccur

incorrect spelling     textLength and pa

3. Overall, how easy did you find the interface to use? (1 being extremely difficult, 5 being extremely easy).
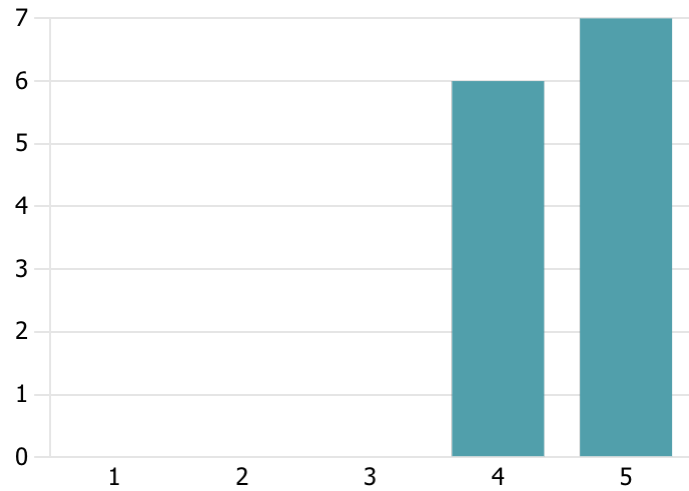
4.08

Average Rating

Level 4: 7 (54%)

4. Overall, how useful did you find the animation in understanding the brute force algorithm. (1 being extremely difficult, 5 being extremely easy).

4.85

Average Rating

5. Overall, how useful did you find the animation in understanding the boyer moore algorithm. (1 being extremely difficult, 5 being extremely easy).

**4.54**
Average Rating

6. Is there anything in the animations themselves (not algorithm specific) that would improve your experiance.

**Latest Responses**

**10**
Responses

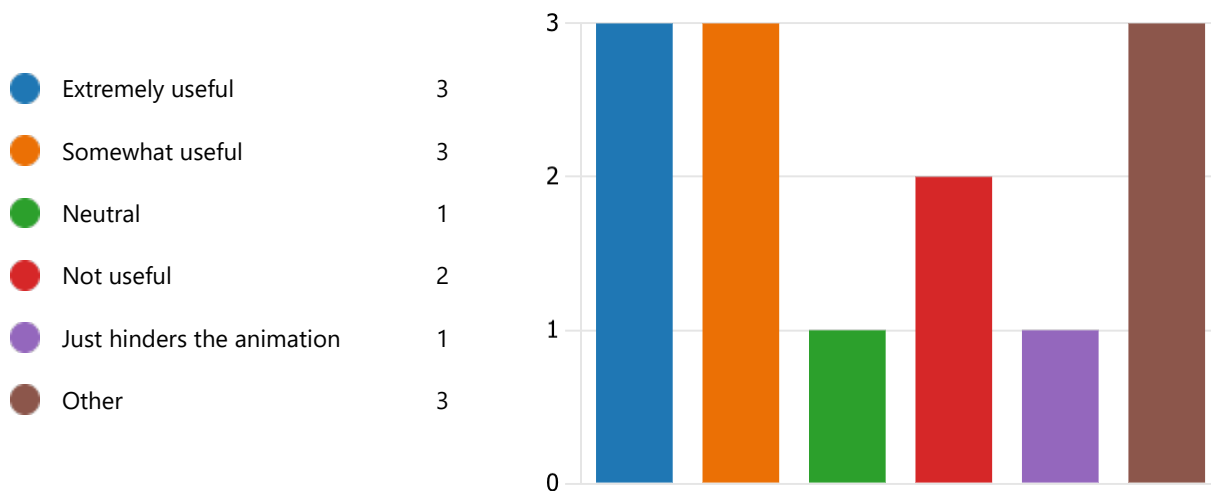*"I don't know how this could be implemented, but on mobil...*

*"maybe the wording of the labels at the bottom. at first it sa...*

*"For the code part, the highlight is not clear "*

**4** respondents (**40**%) answered **animation** for this question.

algorithms really nice    currently happening    kind

force algorithm  **Moore**    coloured    **algorit**

Overall I really like  **speed**    **animation**    **text**    sp

**scroll bar**    **box**    **boyer**    **bit**

**speed shorter**    wording of the labels    maybe change

7. With respect to the last occurance table visualisation in boyer-moore (having a dictionary that has elements of changing colours), how useful have you found this visualisation format.

| | |
|---|---|
| 🔵 Extremely useful | 3 |
| 🟠 Somewhat useful | 3 |
| 🟢 Neutral | 1 |
| 🔴 Not useful | 2 |
| 🟣 Just hinders the animation | 1 |
| 🟤 Other | 3 |

8. Is there a different format you think would work better for the last occurance dictionary?

### Latest Responses

7

Responses

*"I don't think there is really a clearer way to put it really"*
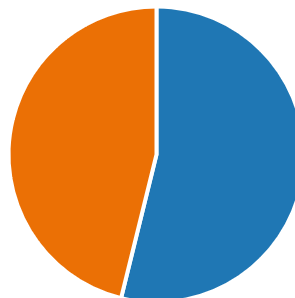
*"Not sure"*

*"No "*

**3** respondents (**43**%) answered **pattern** for this question.

Not sure

mathematical algorithms  easy  dictionary is in refere

different colour

clearer way      single letter  **pattern** actual pattern

variable nam

No    reference to the pattern     variables used for the alg

text        patternlength-1   occurunces  obvious to the

9. With respect to the pseudocode visualiser, after seeing it with the scrollable window, which do would you prefer?

● Scrollable window is fine.　　　7

● Smaller text, so you can always s... 6

10. Would you use the application to learn about string matching algorithms?



| | |
|---|---|
| ● Yes | 13 |
| ● No | 0 |

11. Is there anything that you think would improve the application.

**9**
Responses

Latest Responses
*"The only thing I interpreted wrong initially was dragging th...*
*"It was not clear at first glance that the line of code you're w...*

**4** respondents (**44**%) answered **code** for this question.