

## Test 1.1 - Frontend

Hello there and welcome to the JR Enterprising Frontend test. By completing this we will get a better understanding of your level for the following technologies: HTML, CSS, JS.

These are the rules:

- You have one week from the day this test arrives in your email inbox;
- In order for us to check your responses please create a Public Github Repo and add as a commit the HTML file *1.1 - Frontend.html* with the content below and your answers as comments;

If you have any questions, you can contact us at: [contact@jrenterprising.ro](mailto:contact@jrenterprising.ro)

Good Luck and Have Fun!

### HTML

1) What is the title of this HTML page?

2) Add in Section 1 in this order: Most important (biggest) Heading, a Paragraph, The least important (smallest) Heading. Each tag should contain this text: "Lorem ipsum dolor sit amet";

3) Add in Section 2 a link tag that should point to this website: "<https://jrenterprising.ro/>". When clicked this link should open in a new tab and the text inside the tag should be: "eiusmod tempor incididunt";

4) Add in Section 3 a Footer and inside that tag create a Paragraph which should contain this text: "Ut enim ad minim veniam";

5) For the input with the id="inputText", what property is missing so we can identify the value of the input?

6) For the input with the id="inputText", what property should we add to limit the number of characters to 2?

### CSS - please make in the changes for CSS inside the style tag located at the beginning of the file;

7) Using CSS please add a class that would change the background color of the tag with the id="section2" to: "#edd8b6". If this requires changes to the HTML, please update it;

8) Using CSS please select all a tags and change their text color to "#000000";

9) Using CSS please add a spacing of 5px between the 2 divs from the form;

10) What is the default position of the div element ? What about the span element?

11) Using CSS and position prop please align the p tag from section id="position" to right of the page;

12) Using CSS and flexbox please align the section id="form" to the center of the page. Did you maintain the correct order of the elements in the page?

**JS - please make the changes in the script tag located at the bottom, near the closing HTML tag;**

13) Can you tell the difference between const and let as variable initialization?

14) Please write a function named isNullOrUndefined which should return true if the value is NULL or UNDEFINED. The function should receive 1 parameter. Don't forget to call the function;

15) Please write a function name increaseByOne which should receive as a parameter an array of numbers and returns an array with each number increased by 1. Example: input: [1,2,3] -> output: [2,3,4]. You can use testArray to test; Don't forget to call the function;

16) Please update the function notUpdateFooBar so that when we change the copy object we are affecting fooBarObject;

17) Please write a function named getAllANodes that would return all the a tag DOM Nodes in the page;

18) Please write a function named handleTextChange that should return the value from the input id="inputText" on every key stroke;

19) Please write a function named handleSelectChange that should return the value from the select id="input-select" on value change;