Web Developer Interview Questions

Round 1 : Question & Answer

Instructions :

- Asked to open a link written on the whiteboard.
- Link contained **20 questions** on *HTML, CSS, and JavaScript.*
- **Duration:** *1 hour*.
- Questions tested both theory and practical concepts.

Questions :

1. what are 5 Semantics elements and its benefits
2. Props and State
3. Box Model
4. JSX
5. Flexbox and Grid
6. Virtual DOM and its work
7. Aysnc and await - Promises and its uses

8. Lazy Loading and its uses

9. Event Bubbling and Event delegation

10. Functional and Class Component

11. Function for Find Palindrome (JS code)

12. Datatypes in JS

13. Local Storage and Session Storage in JS

14. Null and undefined

15. Function to reverse a String (JS code)

16. Find Output

```
console.log(2+5+'2);
console.log(2+'2');
```

17. var bar=true;

```
console.log(bar+0);
console.log(bar+"xyz");
console.log(bar+true);
console.log(bar+false);
```

18. Prepend the content "I am from" to all <p> tags having the class "intro". Please only use css to solve this.

19. output for the below function

```
    var y = 1;
 if(function f() {} )
     {
       y += typeof f;
     }
 console.log(y);
```

20) Consider the function below. Will they both return the same thing ? why or why not?

```
function foo1() {
    return {
       bar : "hello"
     };
}
function foo2() {
    return
     {
       bar : "hello"
     };
}
```

Round 2 : Problem Solving (using js)

Instructions :

- Asked to open the link again and refresh for 2nd round questions.
- Can use VScode, Console and Node.js to solve the 7 problems using Javascript.
- **Duration:** *2.5 hours*.

Questions :

1) Give the below table output using object.

ID	Name	Group Name	Platform	Count
2089979387399	show_otp_dialog	Payments	Windows	1
2089979387397	add_vendor_bank_account	Payments	tvOS	10
2089979448417	print_pdf	Bills	tvOS	20
2085415402309	test_event_dho	test_group_ek	Android	30
2089979387395	country_code_change	Paid	Android	40

```
var obj1 = { "2089979387399" : ["2089979387399", "2089979387377", "6", "1"],
  "2089979387397" : ["2089979387397", "2089979387377", "3", "10"],
  "2089979448417": ["2089979448417", "2089979448363", "3", "20"],
  "2085415402309": ["2085415402309", "2085415402295", "2", "30"],
    "2089979387395": ["2089979387395", "2089979387379", "2", "40"] }
 var names = { "2089979387399": ["show_otp_dialog"],
      "2089979387397": ["add_vendor_bank_account"],
      "2089979448417": ["print_pdf"],
      "2085415402309": ["test_event_dho"],
    "2089979387395": ["country_code_change"]}
 var groupnames = { "2089979387377": "Payments",
     "2089979448363": "Bills",
       "2085415402295": "test_group_ek",
         "2089979387379": "Paid" }
 var platform = {
"1": "iOS",
  "2": "Android",
  "3": "tvOS",
  "4": "macOS",
  "5": "watchOS",
  "6": "Windows"}
```

2) Given an array, return an array where the each value is the product of the next two items: E.g. [3, 4, 5] -> [12, 20, 15]

3) Write a program to reverse the given Integer

4) Write a function to reverse the words in a given string.

```
 console.log(reverseWords("The quick brown fox"));
// "fox brown quick The"
 console.log(reverseWords("hello world"));
//"world hello"
```

5) Write a program to implement spiral matrix pattern

spiralMatrix(2) => [[1, 2] ,
[4, 3]
]

spiralMatrix(4) = >
[

[1 , 2 , 3, 4],

[12 13 14 5],

[11 16 15 6]

[10 9 8 7]

]

6) Write a program to implement diagonal matrix pattern

n = 4

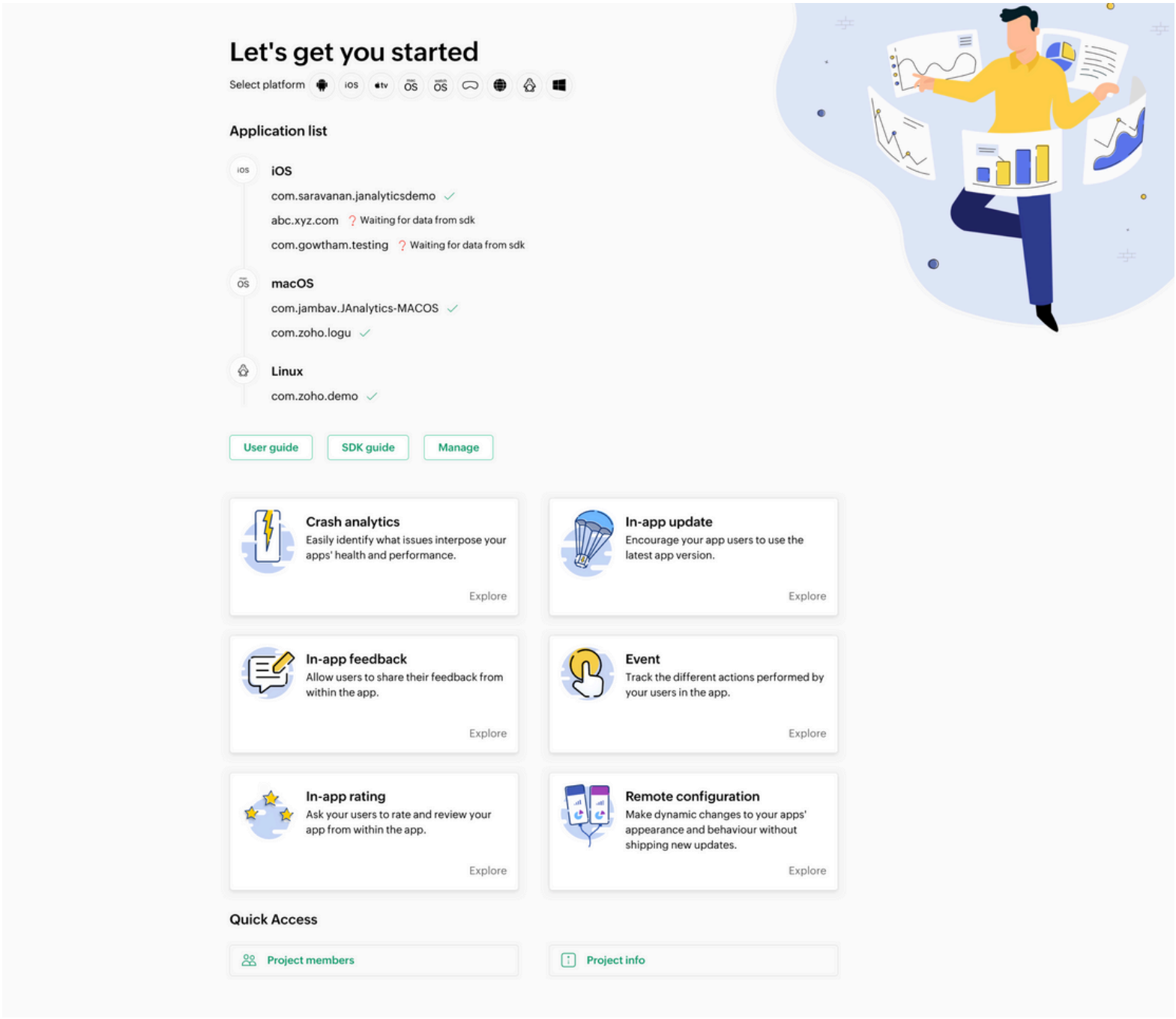
1 2 4 7
3 5 8 11
6 9 12 14
10 13 15 0

7) Given a URL type json format , asked to change into String json object

Round 3 : Design a web page

Instructions :

- Asked to design a web page and given a ZIP file with all assets like fonts ,images and JSON objects.
- Can refer Internet (W3schools, Stackoverflow or any sources) if you have any doubts but AI tools usage is strictly not allowed
- Can use any framework which you are comfortable with (React or Angular)
- **Duration:** *3 hours*.



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Kind Advice :

- **Master the fundamentals :** Build a strong foundation in HTML, CSS, and JavaScript
- **Practice problem-solving:** Regularly solve LeetCode problems in JavaScript
- **Work on solid projects:** Your projects and resume reflect your skills
- **Leverage Js :** Use AJAX calls and explore jQuery library , it will be an advantage