**INTERVIEW QUESTIONS**

**(UI FULL STACK WEB DEVELOPMENT)**

* **Html-4 & CSS-2**

1. Which framework do we have experience with?
2. List out editors you have experienced with?
3. What is the basic structure of an HTML page?
4. What are the predefined HTML tags you have experienced with?
5. What are attributes, list out some predefined HTML attributes?
6. Why do we use the Id attribute?
7. Difference between inline CSS and CSS class?
8. Limitations of using inline CSS?
9. What is a CSS class? Different types of classes can be created on a page?
10. What are the different ways we can create classes in HTML?
11. What are the different ways we could apply CSS properties to HTML elements?
12. Why inline and tag bases are not recommended?
13. What are the default properties the order browser follows while applying CSS to elements?
14. What are the higher and lower properties considered?
15. How do you overwrite the default property order?
16. What is the ‘!’ mark important?
17. What is the difference between an inline element and a block-level element?
18. What do you mean by the CSS box model?
19. How do you maintain space between or within the DOM elements?
20. What is the CSS property through which we could able to add text content CSS?
21. What is the difference between pseudo-classes and pseudo-elements?
22. How does use tables on a page decrease of performance of a page?
23. What attributes are used to merge multiple cells to form a single cell?
24. What is CSS display property?
25. Difference between display 'none' and visibility 'hidden'?
26. What are different ways we can hide a DOM element with the page?
27. What are the different steps you follow to increase the performance of a web page?
28. What is the image spriting concept?
29. What are the possible values the display property takes?
30. How do we force a block-level element to get rendered as an inline element?
31. What are the different CSS properties we applied to move the element to any required position without increasing its dimensions?
32. What is the difference between absolute and relative positions?
33. Different between fixed and sticky positions?
34. What properties an element with position static is going to code?
35. When does an element will under the X, Y-axis, and Z-axis?
36. How do we control the default rendering order of elements within the Z-axis?
37. How does the use of tables within a page will decrease the performance of a page?
38. What are the different input controllers you have worked with?
39. What is the form tag and what are its default attributes?
40. What are the different types of communications that can be established between client and server?
41. Different between input type submit and input type button?

* **JavaScript**

1. Why JavaScript is called a client-side scripting language?
2. Why JavaScript is used while developing a web page?
3. What are the data types, and list of JavaScript supports?
4. What are typecasting and dynamic type casting in JavaScript?
5. What is a type of method?
6. What tools you have experienced with debugging JavaScript code?
7. What are the different ways we inject JavaScript code into web pages?
8. What is variable hoisting in JavaScript, and why does JavaScript implement hoisting concepts?
9. List out the control structures supported in JavaScript?
10. Difference between = , == , === ?
11. Difference between “WhileLoop” and “DoWhileLoop’’ control structure?
12. What are the list of control structure JavaScript supports?
13. What is the new looping control structure supporting ACMA6?
14. How does the switch case increases the performance of the page?
15. Difference between the ‘else’ and ‘else if’ control structure?
16. What is a data structure, List out the data structure supported in JavaScript?
17. What is an array?
18. Is arrays are homogenous or heterogeneous data structures?
19. What are the predefined methods that can be applied to an array?
20. How do we insert or delete values at any required position within the array?
21. What is the difference between the “splice” and “slice” methods?
22. List out the predefined methods that can be applied to a string?
23. How do you find out the total number of spaces within a string?
24. How do we find out the total number of words within the provided string?
25. Write a program to find out the total number of vowels?
26. Write a program to find out the total number of uppercase characters present within a string?
27. List out the data structure supported in JavaScript?
28. Difference between Array and JSON object?

* **Functions**

1. What is a function in JavaScript?
2. How do we implement modularity in an application code?
3. Difference between local and global variables?
4. What is the scope of a variable, and what does its specifications?
5. What are the different ways we can access the private data of a function in another function?
6. Difference between passing parameters and returning values?
7. What are the different ways we can return multiple values from a function?
8. What overriding and overloading function does JavaScript support?
9. What are arguments keywords in JavaScript?

* **JSON Object**

79. What is the difference between JSON and Array data structure?

80. What is the looping control structure used to iterate over a JSON object?

81. What is the internal memory structure for a JSON object?

82. What are the features which are making JSON objects so popular?

83. How do we store multiple objects under a single Array?

84. What should be the data type of keys inside a JSON object?

85. How do we add methods to the keys of the JSON object?

* **DHTML & Advanced JavaScript**

86. What is HTML coding related to?

87. List out the predefined methods using which we could able to refer to or select an existing DOM element within the page?

88. How do we dynamically set or get the attribute of elements?

89. How do we create elements dynamically in JavaScript?

90. What are the different ways we can handle events on the page?

91. What are the possible parameters to add an event listener?

92. List out the attributes using which we handle static events?

93. What is the call-back function?

94. What is an anonymous function?

95. What is the difference between event bubbling and event capturing?

96. What are the different ways we can create classes in JavaScript?

97. What is a constructor?

98. How do we implement inheritance between two classes?

99. What are the differences in inheritance been supported by JavaScript?

100. How do we invoke a constructor of the parent class to the child class?

101. How do we implement run time exception in JavaScript?

102. Explain the keywords Try, Catch, Finally and Throw?

103. How do we implement data security in JavaScript?

104. What are the different steps to be followed to access the closure data outside of closure?

* **Jquery(V3.6)**

105. What are the different ways we can add security to the JavaScript code?

106. Which version of Jquery do you have experience with?

107. What is the difference between a minified and non-minified JavaScript file?

108. What advantages do we get by using minified JavaScript files?

109. Difference between Load and Ready methods?

110. Why do we use Jquery in web application development?

111. What are the different ways we can create an AJAX cal?

112. What is a web service, How does it help in web application development?

113. Difference between Synchronous and Asynchronous communication?

114. How do we force an AJAX call?

115. What is XML and why it is used for?

116. What are XML and JSON, Which one is preferred?

117. What are cross-domain issues?

118. What are the different ways we handle cross-domain issues while doing an AJAX call?

119. Difference between JSON and JSONP?

120. What is CORS setup? How does it help in an AJAX call?

121. What do you mean by template? How does it help in developing the web application?

122. What are the different APIs you have experienced with?

* **HTML5**

123. What is the difference between html4 and HTML5?

124. What are the new features introduced under HTML5?

125. What is the new set of semantic tags in HTML5?

126. How do you make a webpage to access even if you are offline?

127. How do we create a Page which works according to the end-user system browser-specific and operating system specific?

128. Explain audio and video tags?

129. How do we get the current user location without using any maps API?

130. What is the difference between canvas and SVG tag, and what are they used for?

* **CSS3**

131. What are flex containers?

132. How to create flexible items using CSS?

133. What Is box-shadow &Text shadow CSS properties?

134. What are the different options CSS3 provides to implement 3D animations?

135. What possible values a transform property takes?

136. Explain CSS animation property?

137. Steps to create a keyframe?

138. What is a multi-colon layout?

139. What are the possible CSS properties which can be applied only for a flex container?

140. What are the possible CSS properties that can be applied only for flex items?

141. What is a responsive of the webpage, How do we achieve it?

142. What are the external libraries or frameworks you have experienced to achieve responsiveness?

143. What Is bootstrap which version of bootstrap you have experienced with?

144. How to add multiple colors as a background to a container?

145. What difference between radial and linear gradients?

* **Bootstrap**

146. Which version of Bootstrap you have experienced with?

147. Explain the grid system in Bootstrap?

148. How do you achieve responsiveness look and feel without Bootstrap API?

149. What are the components you have experienced with Bootstrap?

150. What are the external libraries Bootstrap depends on?

* **ECMA6**

151. What is the new Data Structure been supported by ECMA6?

152. What is the JavaScript promises explained with syntax?

153. Difference between a normal function and an arrow function?

154. Explain the default parameter values in functions?

155. What is string interpolation (or) template literals?

156. How to import an external JavaScript file into another JavaScript file?

157. Explain export and import keywords in JavaScript?

158. What difference between set and array data structure?

159. Difference between MAP and JSON data structure?

160. Difference between MAP, FILTER and find array methods?

161. What are promises, and what are the keywords through which we implement promises in javascript?

162. Explain the keywords ‘async’ and ‘await’?

163. What difference between let, constant, and var keywords?

164. What difference between local, module, and block scope?