**AJAY KUMAR GARG ENGINEERING COLLEGE, GHAZIABAD**

**Information Technology Department**

YEAR: 2021-2022

**Synopsis**

**Interview Questions Website**

**MINI PROJECT OR INTERNSHIP ASSSESSMENT**

**KCS-554**



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**Interview Questions Website**

**PROJECT DETAILS**

The project is an interview questions website. It consists of all the important technical questions which are generally asked in the interviews. There will be three levels- basic, medium and advanced for the questions. The user can see and solve the questions accordingly. Also, the solutions along with pictorial demonstration and graphs are provided for every questions. It is a medium for aspiring students to be ready to face the challenge of the competitive world. It will act as a good practice platform for daily exercises and last-minute practice.

**OBJECTIVE**

The objective of this project is to provide user a simple and precise platform for all the important technical questions with the best solution. The student can prepare for the interview from the single website only. The picture and graphs for algorithm will help the user to understand the question easily.

**RESOURCES**

**Software Requirements:**

**Visual Studio Code-** It is an editor which is used for writing the code. It is an Integrated Development Environment made by Microsoft for windows, linux and macOS. It is an streamlined code editor with support for development operations like debugging, task-running, and version-control.

**Hardware Requirements:**

1. **Processor-** 1.9 gigahertz (GHz) x86- or x64-bit dual core processor with SSE2 instruction set.(Minimum)

3.3 gigahertz (GHz) or faster 64-bit dual core processor with SSE2 instruction set. (Recommended)

2) **Memory-** 2-GB RAM(Minimum)

4-GB RAM or more (Recommended)

1. **Display-** Super VGA with a resolution of 1024 x 768 (Minimum)

Super VGA with a resolution of 1024 x 768 (Recommended)

**TECHNOLOGIES USED**

1. **React Js:** React.js is an open-source JavaScript library that is used for building user-interfaces specifically for single-page applications. It is maintained by Facebook and a community of individual developers and companies. React can be used as a base in the development of [single-page](https://en.wikipedia.org/wiki/Single-page_application) or mobile applications. However, React is only concerned with state management and rendering that state to the [DOM](https://en.wikipedia.org/wiki/Document_Object_Model), so creating React applications usually requires the use of additional libraries for routing, as well as certain client-side functionality
2. **HTML:** Hyper Text Markup Language, or HTML is the standard markup for documents designed to be displayed in a web browser. It is used to structure a web page and its content. The markup tells web browsers how to display a web page’s words and images. [HTML elements](https://en.wikipedia.org/wiki/HTML_element) are the building blocks of HTML pages. With HTML constructs, [images](https://en.wikipedia.org/wiki/HTML_element#Images_and_objects) and other objects such as [interactive forms](https://en.wikipedia.org/wiki/Fieldset) may be embedded into the rendered page. HTML provides a means to create [structured documents](https://en.wikipedia.org/wiki/Structured_document) by denoting structural [semantics](https://en.wikipedia.org/wiki/Semantics) for text such as headings, paragraphs, lists, [links](https://en.wikipedia.org/wiki/Hyperlink), quotes and other items.
3. **CSS:** Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS has a simple [syntax](https://en.wikipedia.org/wiki/Syntax) and uses a number of English keywords to specify the names of various style properties.

[CSS](https://www.w3.org/Style/CSS/) is the language for describing the presentation of Web pages, including colors, layout, and fonts. It allows one to adapt the presentation to different types of devices, such as large screens, small screens, or printers. CSS is independent of HTML and can be used with any XML-based markup language. The separation of HTML from CSS makes it easier to maintain sites, share style sheets across pages, and tailor pages to different environments.

1. **JAVASCRIPT:** JavaScript is the world’s most popular programming language. JavaScript is the programming language of the Web. It allows us to add dynamic behaviour to the webpage and special effects to the webpage.

JavaScript is a text-based programming language used both on the client-side and server-side that allows you to make web pages interactive. Where HTML and CSS are languages that give structure and style to web pages, JavaScript gives web pages interactive elements that engage a user. Common examples of JavaScript that you might use every day include the search box on Amazon, a news recap video embedded on The New York Times, or refreshing your Twitter feed.

**REFERENCES**

The questions are taken from the various books and websites.

Data Structures books:

1. Grokking Algorithms
2. Data Structure and Algorithms Made Easy
3. Introduction to Algorithms
4. The Master Algorithm

Websites:

1. [www.geeksforgeeks.com](http://www.geeksforgeeks.com)
2. [www.tutorialspoint.com](http://www.tutorialspoint.com)
3. [www.javatpoint.com](http://www.javatpoint.com)