**TASK 2 : IMAGE SEARCH ENGINE**

* **What is an API, and how is it used in this project?**

*The Image Search API provides functionality to query a product catalog using an image. The Query endpoint returns images that are similar to the query image and the Product Variants that they are associated with. To find similar images, the API performs reverse image search using computer vision.*

* **How did you handle user input to fetch the corresponding images?**

*To fetch image data from a server, we first create a new Request object and pass in the URL of the image we want to fetch. Then, use the fetch() method to send the request and retrieve the response.*

* **How did you manage API errors or handle situations when the entered search query is invalid?**

*The simplest way we handle errors is to respond with an appropriate status code.*

* **How did you use JavaScript to manipulate the DOM and update the image information on the page?**

*Create an image element using the createElement() method on the document object. Then, set an image URL to its src attribute. Finally, add the image element to the DOM hierarchy by appending it to the body element.*

* **Why is it important to make your web app responsive?**

*Responsive web design makes websites faster, more accessible, and easier to navigate. It makes it easier for users to then find the information they are looking for and typically encourages them to stay on your site. Plus, fantastic usability may encourage users to come back to your website in the future.*

* **How did you ensure that your app works properly across different browsers?**

*Cross-browser testing is a crucial step in web application design, as it ensures that your app works well and looks consistent across different browsers and devices.*

* **How did you secure your API key, especially when the code is shared or made public?**

*Don't share API keys through email. Always use HTTPS/SSL for your API requests — some APIs won't field your request if you're not using it. Assign a unique API key to each project and label them accordingly. If you discover a compromised key, you can regenerate or deactivate it without affecting your other projects.*

* **How can you extend the functionality of this image search app? What features would you add in a version 2.0?**

*We can use nodejs to add more functionality. Also we can add features like videos with images and can make it more of pinteresty stuff.*

* **What are the limitations of the Unsplash API, and how did they affect your project?**

*The Unsplash API is a modern JSON API that surfaces all of the info you'll need to build any experience for your users.*

*As such there are no limitations.*

* **What was your strategy for designing the user interface of the app? How did you decide what information to display and how to display it?**

*The process of designing an interface can be divided into a number of stages. You start with the setting of the design objective, then perform user research and know your users, emphasize your users by making personas and empathy maps, and define scenarios to see what users want to achieve from your product.*