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Portfolio Website

TASK 4

Portfolio Website

A portfolio website is a powerful tool for showcasing your skills and accomplishments to potential employers, clients, and collaborators. With a well-designed and organized website, you can highlight your best work, share your professional story, and demonstrate your expertise in your field. Whether you're a freelancer, a job seeker, or a creative professional, a portfolio website can help you stand out from the crowd and make a strong impression on anyone who visits your site

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Task -4

Create UI and implement various components using react

- Split design into components and Higher order Components
- Define structure of the components
- Set the basic UI components with dummy data

Integrate the APIs to frontend to ensure the dynamic feature of website

- Point base API to the severs base URL
- Design API calls for each element
- Handle errors in the output
- Render output of APIS to different low level components
- Secure content of post APIX

Evaluation Metric:

- 100% Completion of the above tasks

Learning Outcome

- Developing complicated UI using react components
- Using props drilling and context to pass variables
- Getting familiar with different type of API calls
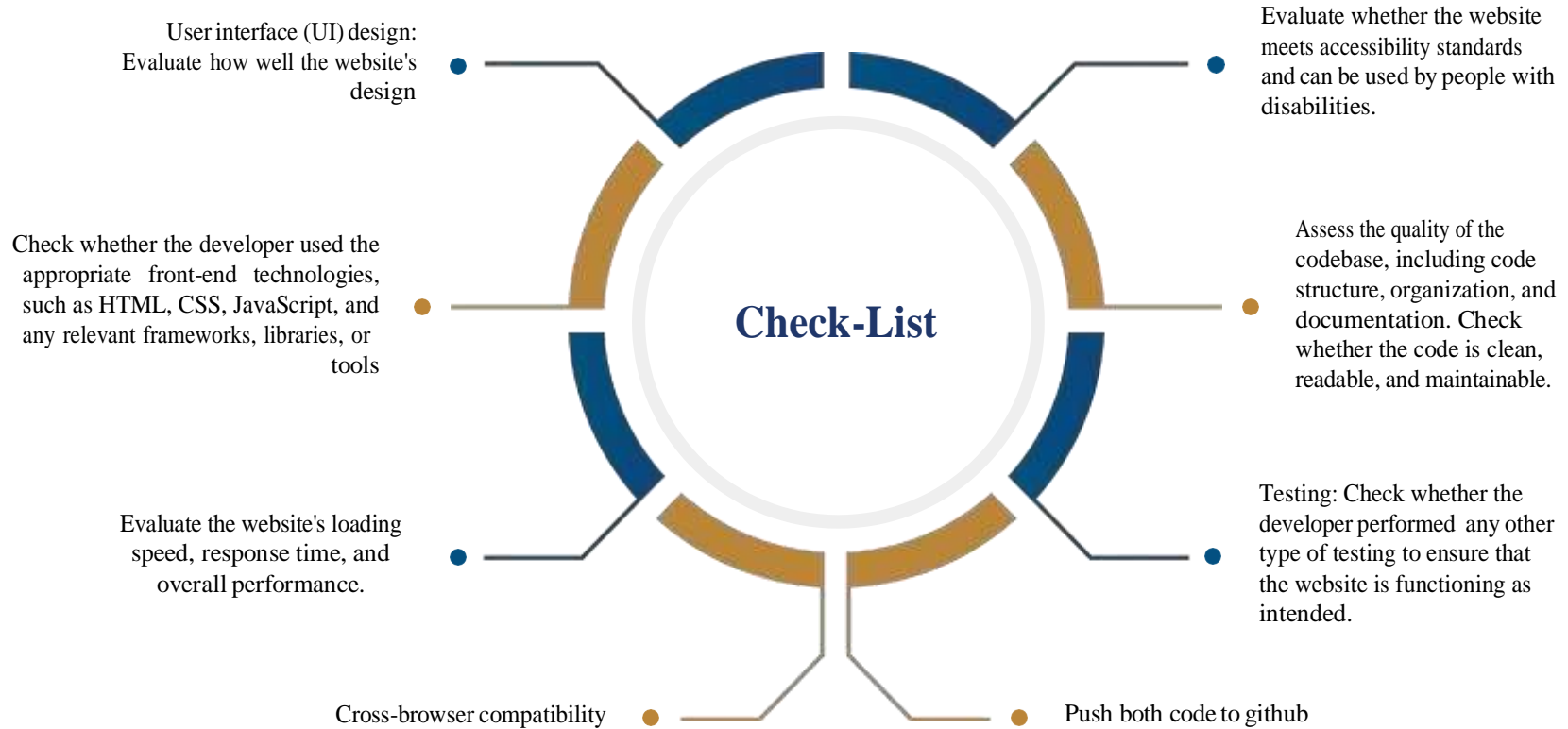- Handling different input data

Step-Wise Description

1. Choose a tech stack:Some popular options include MERN (MongoDB, Express.js, React.js, Node.js), MEAN (MongoDB, Express.js, AngularJS, Node.js)
2. Plan and Design:it's time to plan your website's design and layout.You can use tools like Figma, Sketch, or Adobe XD to design your website
3. Set up the Backend:Then, create an API using your chosen backend framework (such as Express.js or Laravel) that will handle requests from the frontend and interact with the database
4. Develop the Frontend:Use a frontend framework like React, Vue.js, or Angular to build the UI components of your site.
5. Integrate the Backend and Frontend:Use an HTTP client like Axios or Fetch to make API requests to your backend and retrieve data to display on your frontend. Implement user authentication on the frontend to allow users to log in and access secure content.
6. Test And Debug:Use debugging tools like Chrome DevTools or VSCode Debugger to identify and fix any issues.
7. Deploy and launch

Summary of your task

The frontend development task for portfolio website creation involves designing and implementing the user interface of the website using HTML, CSS, and JavaScript. This includes creating responsive layouts, styling elements, and adding interactive features such as animations and form validation. The frontend developer will work closely with the designer to ensure that the website meets the design specifications and provides an optimal user experience. The final product will be integrated with the backend developed by the full stack developer to create a seamless and functional website.

Assessment Parameter

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Check-List

User interface (UI) design: Evaluate how well the website's design

Evaluate whether the website meets accessibility standards and can be used by people with disabilities.

Check whether the developer used the appropriate front-end technologies, such as HTML, CSS, JavaScript, and any relevant frameworks, libraries, or tools

Assess the quality of the codebase, including code structure, organization, and documentation. Check whether the code is clean, readable, and maintainable.

Evaluate the website's loading speed, response time, and overall performance.

Testing: Check whether the developer performed any other type of testing to ensure that the website is functioning as intended.

Cross-browser compatibility

Push both code to github

Submission Github

https://github.com/DivyaVarsha04/NaanMudhalvan/tree/main