Performance Testing Phase
API Testing/Performance

Date	15 April 2025
Team ID	SWTID1743511993
Project Name	Shopez: E-Commerce Application
Maximum Marks	2 Marks

In the performance testing phase of a MERN stack project, Postman is used to simulate API calls and evaluate how the backend handles various loads and response times. This involves testing key API endpoints (such as user registration, login, and data retrieval) under different conditions to ensure stability, speed, and reliability.

Using Postman's built-in tools like Collection Runner and Monitor, we can automate repetitive requests, test with multiple data sets, and measure response times to identify bottlenecks in the Express.js backend or delays in MongoDB queries. This helps optimize server performance and ensures the application can handle real-world usage smoothly.

API Type	API Endpoint	Status Code	Response Time (ms)
Category	/api/v1/category/get-category	304	51.753
Product	/api/v1/product/product-list/1	304	46.899
Product Img	/api/v1/product/product-photo/67f93a1537dabe8278f60a34	304	45.206
Payment	/api/v1/product/braintree/token	200	1355.800
Auth	/api/v1/auth/user-auth	304	25.447