

Performance Optimization using MERN Stack on Web Application

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Abstract: *In today's expeditiously moving business world, it's extremely crucial to be able to understand client demand in the most efficacious and ahead of time. If our customers could have our business online and have that at their fingertips to our products or services, it would have a greater impact on their day-to-day life, which would also create an ecosystem of doing business online and serving customers on a large scale. Shopping online or doing business online has become a lifestyle for the younger generation per se. e-commerce web application, which retails a number of products has given people access to the basic necessity to luxury products. This project allows viewing various products on a web user interface and enables registered users to get hold of desired products instantly using desired payment options. This project dispenses an approachable way for business owners to view orders placed. In contemplation to establish an e-commerce web application, several technologies have been studied and acknowledged. Technologies that have been included are, React.js, MongoDB, Node.js, Express.js. This is a project to ease the accessing of various products and establish a web application where a customer is delivered with an exhaustive web application and also to understand the technologies used to demonstrate such an application. This paper will discuss each of the fundamental technologies to create and implement an ecommerce web application.*

Keywords: ReactJS, NodeJS, MongoDB, ExpressJS, Optimization using MERN STACK

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