

MERN Stack Full Guide

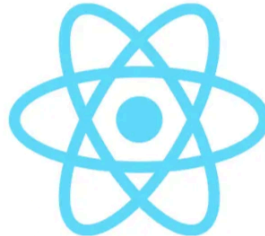
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Introduction to Web Development

- **Web Development** is the process of building and maintaining websites.
- In the context of MERN stack, we focus on:
 - **Front-End** (client-side): What users see and interact with (HTML, CSS, JavaScript, React.js).
 - **Back-End** (server-side): Handles logic, database, authentication, etc. (Node.js, Express.js).
 - **Database**: Where application data is stored (MongoDB).
- **Full Stack Developer**: Works on both front-end and back-end.

MERN Stack Break Down

MERN = **MongoDB + Express.js + React.js + Node.js**

Component	Purpose
MongoDB	NoSQL database to store application data.
Express.js	Web framework for Node.js to handle routing & APIs.

Component	Purpose
React.js	Front-end library for building user interfaces.
Node.js	JavaScript runtime to build scalable server-side apps.

Flow:

- React (Front-end) sends requests to
- Express.js server (Back-end) which interacts with
- MongoDB (Database) and responds back to React.

Note - Everything uses JavaScript (Just one language is sufficient)

Now, Let's start with the basics of how we can create the structure of any website

Complete HTML