

FULL STACK WEB DEVELOPMENT (MERN)

- By AXCENTRA

WEEK 2 – Backend Development (Node.js, Express.js, MongoDB)

Topics Covered

- Node.js basics and NPM setup
- Express.js framework and routing
- MongoDB and Mongoose for database management
- REST API design principles
- Authentication using JWT and bcrypt

Assignments

1. To-Do List REST API

- Create endpoints for adding, updating, and deleting tasks.
- Use MongoDB for data storage and Postman for testing.

2. User Authentication API

- Build routes for user registration and login.
- Implement password encryption and JWT-based authentication.

Mini Project

Notes App Backend

- Develop a backend API for a notes-taking app with CRUD operations.
- Secure routes with JWT authentication.

Learning Outcome

Students learn backend logic, database integration, and API creation for real-world applications.

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