Training Day-15 report

09 July, 2025

Today's session was divided between two focused tasks: building a **basic email-sending utility** using Node.js and starting a new **Book Management System** project. Both activities helped strengthen my skills in backend setup, email protocols, and API architecture.

Work Undertaken:

1. **Email Sending Project:**
   • Implemented a **simple Node.js-based email service** using the nodemailer library.
   • Configured the utility to **send emails from one account to multiple recipients**.
   • Built a **basic user interface** to test the service.
   • This utility can be integrated as a module or microservice in larger applications, including my upcoming **minor project**.

2. **Book Management System (New Project):**
   • Designed a **basic app structure** and setup with Express and MongoDB.
   • Wrote **utility files** to handle reusable functionality.
   • Created initial **database models** for users and books.
   • Developed the **register user controller**, which concludes the foundational setup.

Key Learnings:
• Gained hands-on experience with **email protocols** and message formatting using nodemailer.
• Reinforced knowledge of **backend architecture setup**, including route structuring, model design, and controller logic.
• Practiced writing **modular and reusable code**, a habit that will benefit larger-scale projects.

Conclusion:
Today was highly productive, covering both a focused utility project and the early phase of a new full-stack system. With the user registration logic complete, I'll continue expanding the **Book Management System** functionality in the next session

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