MERN Stack Training
Company: Sensation Software Solutions
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Training Duration: 6 Months
Days: 67

Objective of the Day

Implement **login endpoint** in `auth.js` and handle **secure validation** of credentials with **JWT token generation** for session management.

Key Goals:

- Validate user login credentials.
- Generate **JWT tokens** for authenticated users.
- Handle **invalid login scenarios** gracefully.

Work Done on Day 67

1. Added **login endpoint** accepting `email` and `password`.
2. Verified credentials against **hashed passwords** in backend.
3. Generated **JWT token** with user ID and expiration.
4. Defined **error responses** for invalid credentials.
5. Planned token usage for **frontend session management**.

Frontend-Backend Integration Considerations

- Designed **fetch API calls** from React login form.
- Planned **JWT storage strategy** (localStorage/sessionStorage).
- Mapped **error messages** to **UI notifications**.

Hands-on Practice

- Tested login with multiple users.
- Verified correct JWT token creation and expiry.
- Checked error handling for wrong passwords and unregistered emails.

Conclusion

Day 67 implemented **secure login flow** using JWT, preparing backend for frontend integration.