MERN Stack Training
Company: Sensation Software Solutions
Student Name: Gurvinder Singh
Training Duration: 6 Months
Days: 68

Objective of the Day

Finalize **signup functionality** with **input validation** and **duplicate user check**.

Key Goals:

- Validate email format and password strength.
- Prevent duplicate registrations.
- Prepare endpoints for **frontend form integration**.

Work Done on Day 68

1. Added **email format and password validation**.
2. Implemented **duplicate email check**.
3. Tested backend response for **invalid input or existing users**.
4. Standardized **response messages** for frontend handling.

Frontend-Backend Integration Considerations

- Designed **frontend error display** for validation failures.
- Planned **React form validation states** to reflect backend errors.
- Ensured consistency in **status codes and messages**.

Hands-on Practice

- Simulated multiple signup scenarios using Postman.
- Verified duplicate and invalid input rejection.
- Prepared **auth.js** for seamless **React form integration**.

Conclusion

Day 68 completed **robust signup implementation**, ready for secure frontend usage.