

MERN Stack Training

Company: Sensation Software Solutions

Student Name: Tajinder Kaur

Training Duration: 6 Months

Days: 49

Objective of the Day

The objective of Day 49 was to learn **backend error handling, validation, and security best practices**.

Work Done on Day 49

The trainer explained common backend issues such as invalid input, server errors, and security vulnerabilities.

Error Handling

Topics covered:

- Try-catch blocks
 - Sending proper HTTP status codes
 - Meaningful error messages
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Validation and Security

The following security practices were discussed:

- Input validation
 - Avoiding SQL/NoSQL injection
 - Securing API endpoints
 - Environment variables usage
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Hands-on Practice

We practiced:

- Writing clean validation logic
- Handling backend errors gracefully
- Testing APIs for incorrect inputs

Conclusion

Day 49 focused on making applications **stable, secure, and production-ready**.