MERN Stack Training
Company: Sensation Software Solutions
Student Name: Gurvinder Singh
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

Validation and Security

The following security practices were discussed:

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

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**.