MERN Stack Training
Company: Sensation Software Solutions
Student Name: Tajinder Kaur
Training Duration: 6 Months
Days: 58

Objective of the Day

The objective of Day 58 was to understand **backend testing cycles**, error handling, and integration with frontend applications.

Work Done on Day 58

The trainer explained **testing methodologies** for backend development and how proper feedback improves application robustness.

Backend Testing and Feedback

Topics included:

- **Bug Reporting:** Logging API failures with detailed messages
- **Issue Tracking:** Using tools like Jira for backend issues
- **Automated Testing:** Writing unit tests for controllers and routes using Jest/Mocha
- **Regression Testing:** Ensuring new backend changes do not break existing APIs

Hands-on Practice

- Tested API endpoints with Postman
- Implemented error handling middleware in Express
- Fixed backend bugs based on test results
- Retested to verify successful fixes

Conclusion

Day 58 strengthened knowledge of **backend quality assurance processes**, ensuring stable, secure, and efficient server-side applications.