

AI Interaction Log

Course: Software Design & Construction (SDC)

Instructor: Mr. Zunnurain — **TA:** Umair Makhdoom

Team Members:

- **Bsse23-011** Shahzaman
- **Bsse23-060** Saram
- **Bsse23-074** Rai

Description:

The following log documents the utilization of Artificial Intelligence tools (ChatGPT/Gemini) to assist in the architectural design, debugging, and documentation phases of the Scalable E-Commerce Microservices System.

blue!10 Date	Category	Prompt / Query
2025-12-15	Research	Explain the difference between Monolithic and Microservices architecture with Spring Boot examples.
2025-12-18	Backend Setup	How to set up Eureka Discovery Server using Spring Initializr and dependencies?
2025-12-20	Development	Code example for a Spring Cloud API Gateway with routing to two different microservices.
2025-12-22	Development	How to create a REST controller in Java that returns JSON data for an e-commerce product list.
2025-12-28	Integration	How to consume a Spring Boot REST API from a simple HTML/JavaScript frontend?
2026-01-01	Debugging	Fix CORS error 'Access-Control-Allow-Origin' when calling API Gateway from frontend.
2026-01-02	Deployment	Steps to deploy a Spring Boot JAR file to an AWS EC2 instance using Linux command line.
2026-01-03	Documentation	Generate a Project Proposal, Technical Report, and Presentation Outline for SDC course submission.

End of Log.