**Changes and Enhancements**

1. **Spring Boot Application Setup**
   * Created a Spring Boot application named integration-service.
   * Set up project structure and dependencies using Gradle with Kotlin DSL.
   * Create controller and service classes to expose create order API
   * Create **UserService** and **OrderService** classes for creating user and process order as per logic (read order-integration.csv file and map corresponding fields)
2. **Gradle Setup**
   * Add necessary dependencies for Spring Boot, gRPC, and protobuf.
   * Configured build.gradle.kts with plugins and dependencies:
3. **Organize Your .proto Files**
   * Place your .proto files in src/main/proto directory. Gradle will use this directory to generate the necessary Java and gRPC classes.
4. **Generate gRPC Classes**
   * Run gradle generateProto task to generate the Java and gRPC classes from your .proto files
   * This will generate the necessary classes under build/generated/source/proto/main.

### Integrate gRPC Client in Spring Boot Application

* + Use the generated classes to integrate the gRPC client in your Spring Boot application.
  + Define gRPC Service stub in **OrderServiceImpl** and **UserServiceImpl**
  + Connect to gRPC server via **ManagedChannel** builder

1. **Actuator Setup**
   * Enable actuator end point to see health of the application
2. **Unit Test Case**
   * Add unit test case for controller and service classes using Junit 5 and mockito
3. **Dockerize the Application**
   * Create Docker file to build and run spring boot application integration-service (From open jdk 21)

**Challenges and Errors**

* Due to an error message (java.lang.NoSuchMethodError: io.grpc.internal.Http2ClientStreamTransportState: method 'void <init>(int, io.grpc.internal.StatsTraceContext, io.grpc.internal.TransportTracer)' not found), I was unable to complete or test the functionality fully. However, I managed to integrate the gRPC client and focused on the application's functionality and structure with expected time limit.