AI-Enabled Feedback & Insight Platform - System Diagrams

1. High-Level System Architecture:

```
    +--------------------+           +------------------------+
    |  User (Browser/App) | -----> | Feedback Collector API  |
    +--------------------+           +------------------------+
                                                 |
                                                 v
                         +------------------------------+
                         |      Message Queue / Kafka    |
                         +------------------------------+
                           |              |              |
                           v              v              v
                 +------------------+ +-----------------+ +---------------------+
                 | Session Tracker  | | Sentiment/NLP   | | Notification Service |
                 +------------------+ | Processor       | +---------------------+
                                      +-----------------+
                                               |
                                               v
                               +-------------------+
                               | Feedback Database |
                               +-------------------+
                                         |
                                         v
                             +--------------------+
                             |   Admin Dashboard   |
                             +--------------------+
```
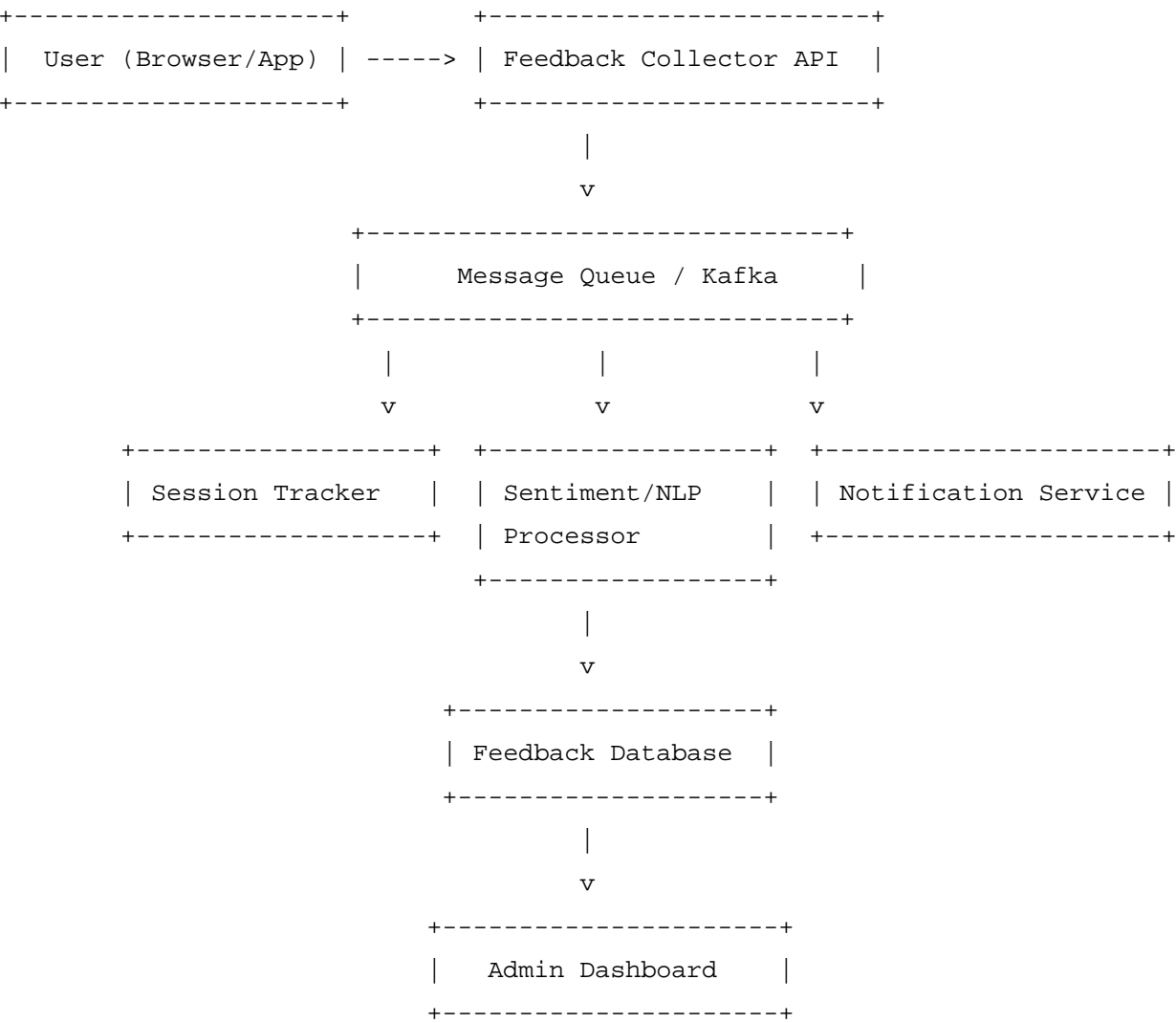
2. Feedback Lifecycle Flow:

   [User] ---> [POST /feedback] ---> [Stored in DB + Sent to NLP Processor] --->
   [Tagged Feedback Stored] ---> [High Priority?] ---> [Send Notification]
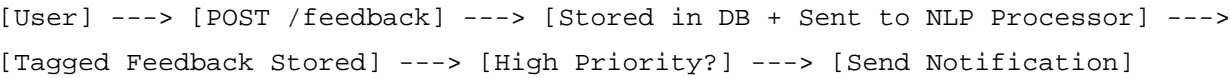
3. Tech Stack Overview:

   - Spring Boot (APIs, Services)
   - PostgreSQL (Database)
   - Redis/Kafka (Queue or Real-time)
   - Python/NLP APIs (Sentiment Analysis)
   - React/Chart.js (Admin Dashboard)
   - Docker/Kubernetes (Deployment)