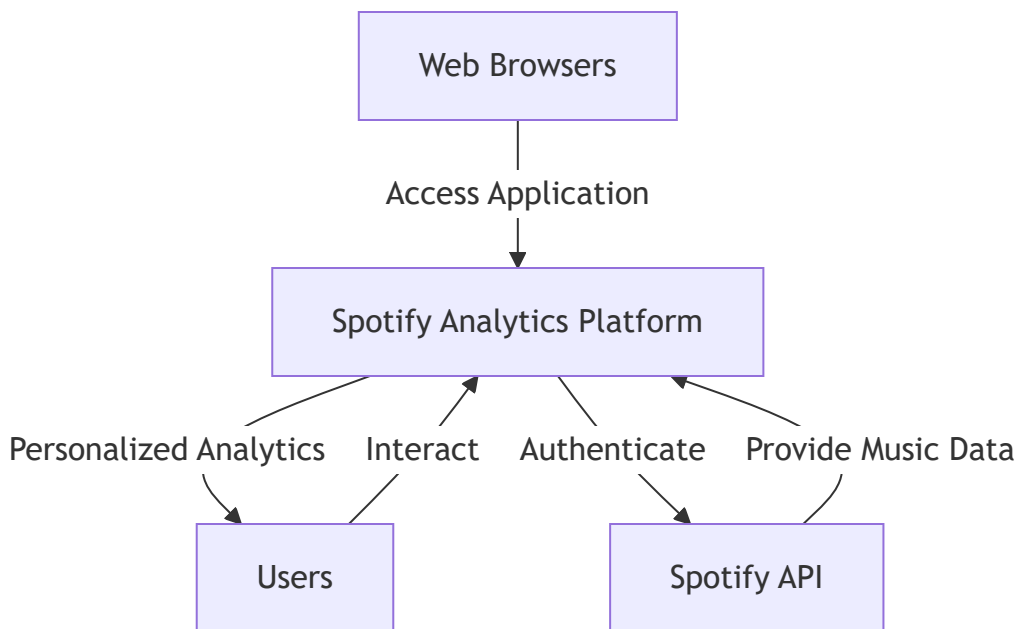# System Context Diagrams for Spotify Analytics Platform
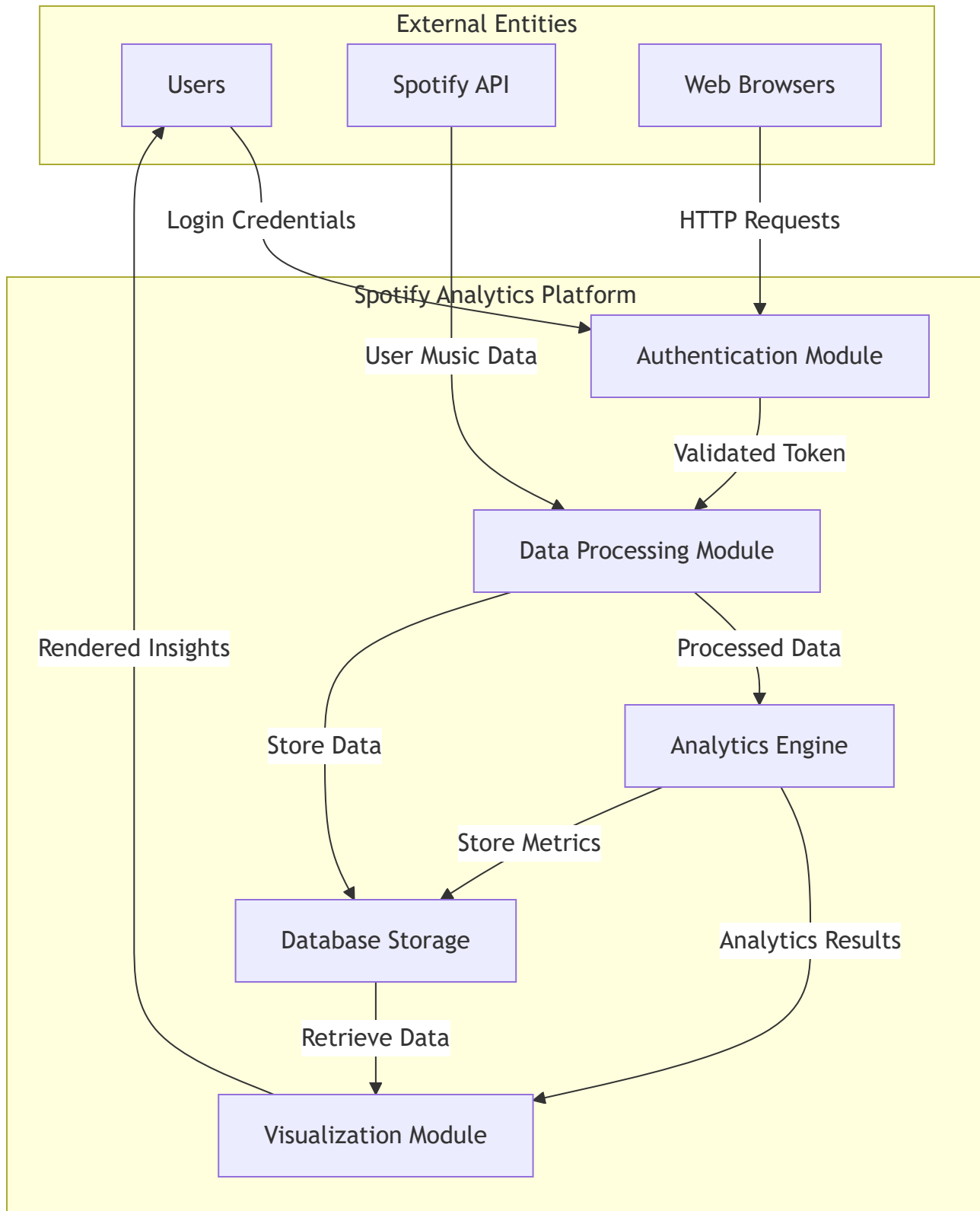
Context Diagram (Level 0)

Context Diagram Explanation

- Defines the system boundary
- Identifies external entities interacting with the Spotify Analytics Platform
- Shows primary information and interaction flows

Level 1 Data Flow Diagram

Level 1 Diagram Key Components

- **Authentication Module**: Manages user login and Spotify OAuth

- **Data Processing Module**: Transforms raw Spotify data
- **Analytics Engine**: Generates insights and trends
- **Visualization Module**: Creates interactive charts and reports
- **Database Storage**: Persistent data management

Diagram Notation

- Solid arrows represent data/information flow
- Rectangular boxes represent system components or external entities
- Bidirectional interactions show complex data exchanges