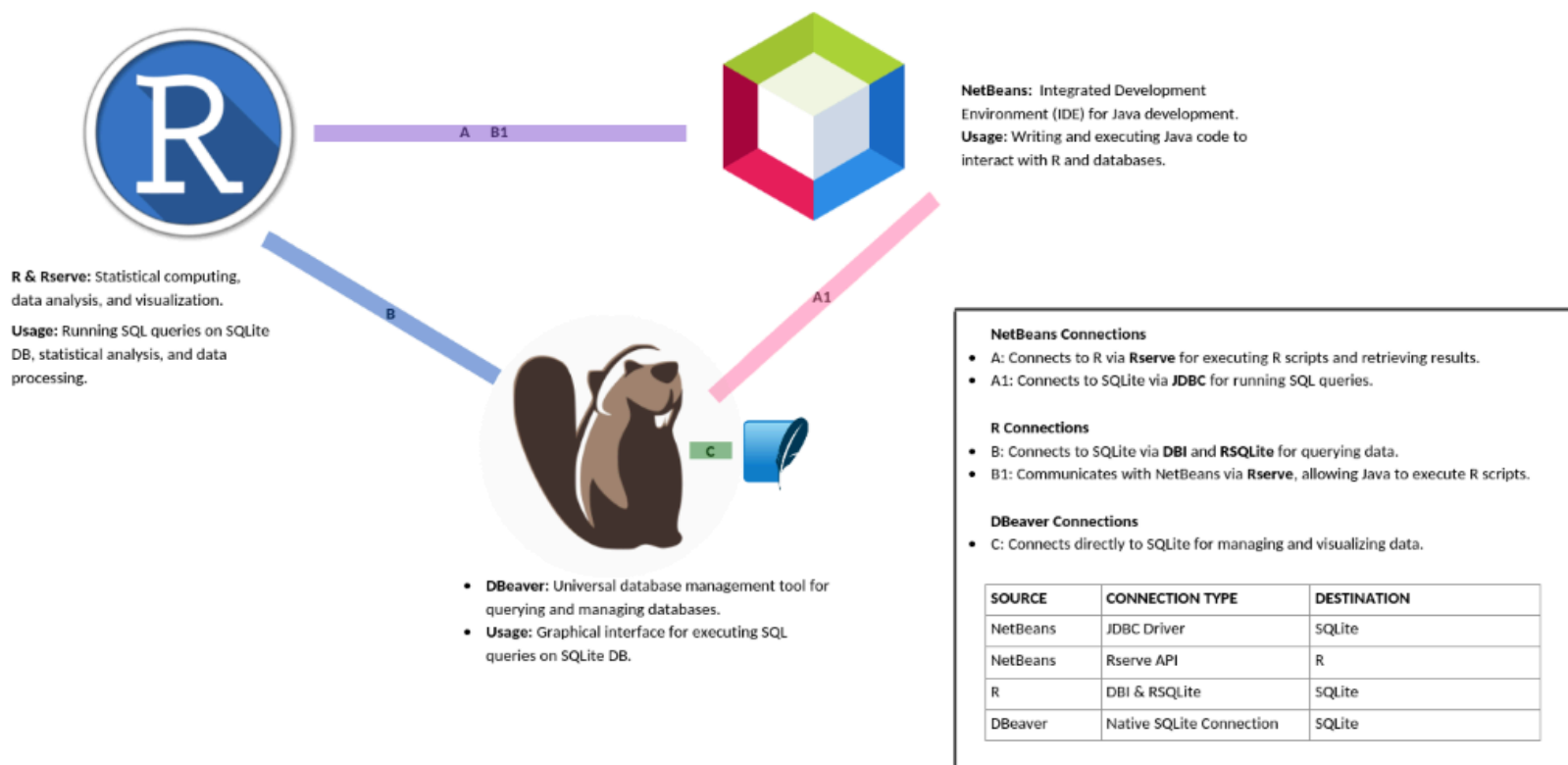


Personal Project - Scope of the Music Recommendation System

This system integrates **Java (NetBeans)**, **R**, and **SQLite (DBeaver)** to analyze customer purchasing trends and recommend music based on past purchases. Users enter details such as **favorite genres, past purchases, and listening preferences** via a **Java-based mobile/desktop app**. This data is stored in an **SQLite database (Chinook dataset in DBeaver)**, processed in **R using machine learning models**, and results are sent back to the user. The system also logs predictions for future validation and **quality review**, improving recommendation accuracy over time.

System Architecture Diagram

Friday, February 28, 2025 3:13 PM



Personal Project - Scope of the Music Recommendation System

Process Flow Overview: Music Recommendation System

This diagram illustrates how **user data flows** through the system, from input submission in the Java-based mobile/desktop app to machine learning analysis in R, and back to the user with personalized music recommendations.

