

# Fluency Review Template

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**Date:** July 7, 2018

**Week:** 11 (9th Submission)

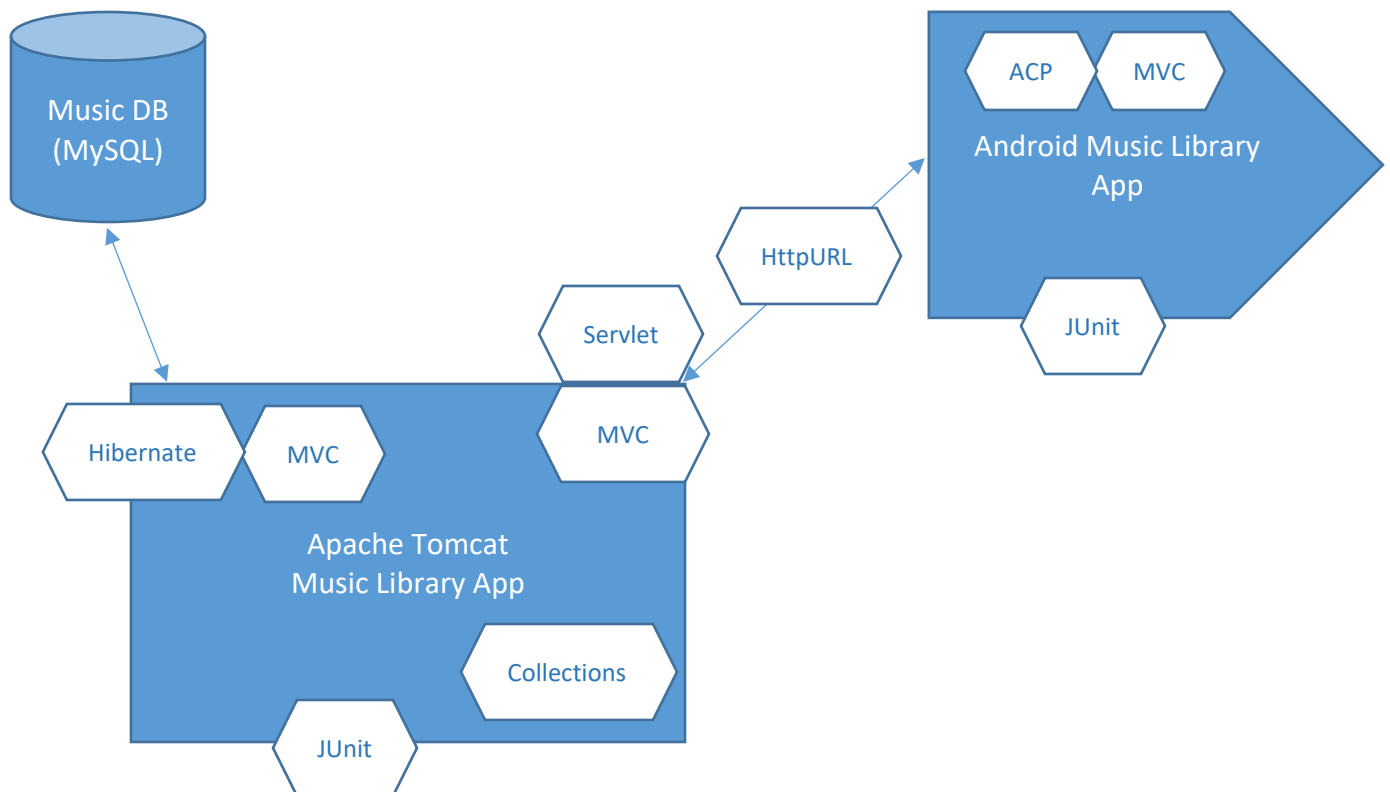
**Coding Topic:** Personal Project Proposal

## Description of Understanding:

I am proposing to complete a simple Android application that manages an asset inventory of music for a user. This application will have the capacity to be expanded into an Android application that can manage ALL household inventory.

For this initial application, the user will be able to add, delete, list, and sort records in their music library.

My intention is to integrate all code topics into the personal project. The topics I will be focused on integrating into the application are Hibernate, Servlet, Android HttpURLConnection, JUnit tests, System Level Tests, Use Case Diagrams, Use Case Documents, State Diagrams, Sequence Diagrams, Java Collections, MVC and ACP. I'm not certain at this point if I will incorporate Threads or JSON.



Initial Database Table Schema is as follows:

**Artist**

artist\_ID      integer  
artist\_Name    varchar

**Album**

album\_ID      integer  
album\_Name    varchar  
artist\_ID      integer

**Song**

song\_ID        integer  
song\_Name      varchar  
album\_ID       integer  
genre           varchar  
media\_type     varchar

There will be three simple tables. ALBUM table will have a foreign key reference to ARTIST table via the artist\_ID. SONG table will have a foreign key reference to ALBUM table via the album\_ID.