**Design Document**

**Major Modules:**

Server Socket:

JSON

Client Socket:

JSON

Server Proxy:

Apache

UI / GUI:

Android with

XML and Java

Database:

MySQL

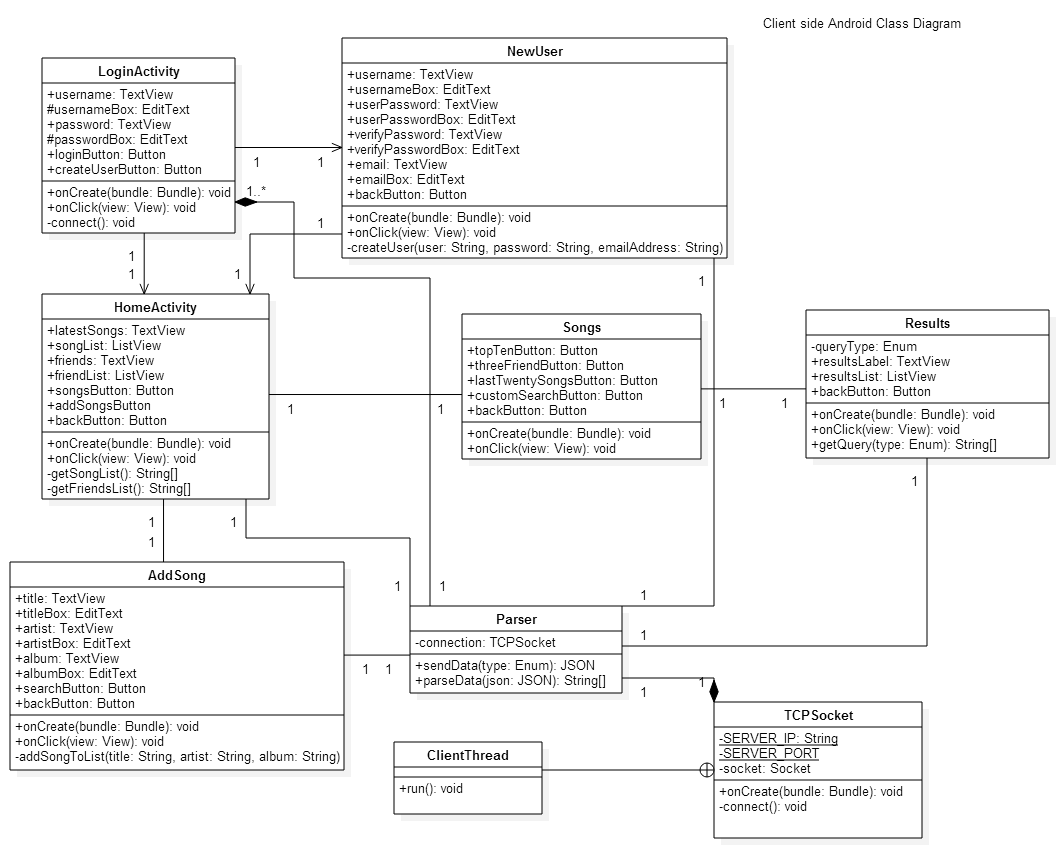
Database Proxy:

MySQL Proxy

Business Logic: PHP or Python

**Class Diagrams**

Client side Android Class Diagram:

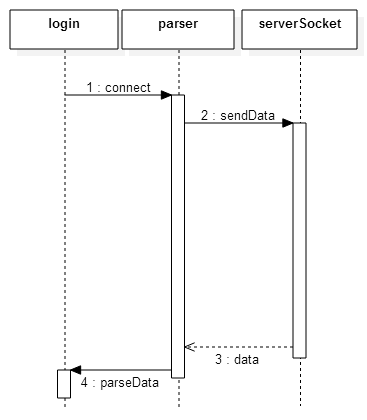
****

Server side Database Class Diagram:

****

**Sequence Diagrams**

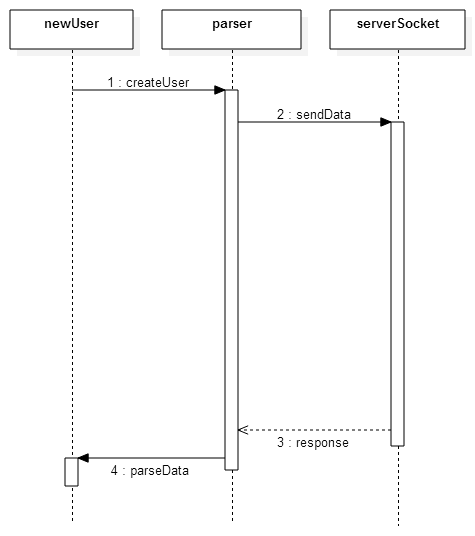
Login Client Side Sequence:



Login Server Side Sequence:



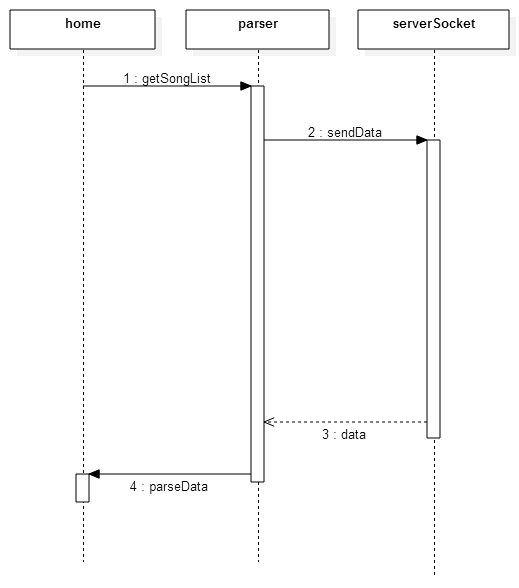
New User Client Side Sequence:



New User Server Side Sequence:



Home Client Side Sequence:



Home Server Side Sequence:



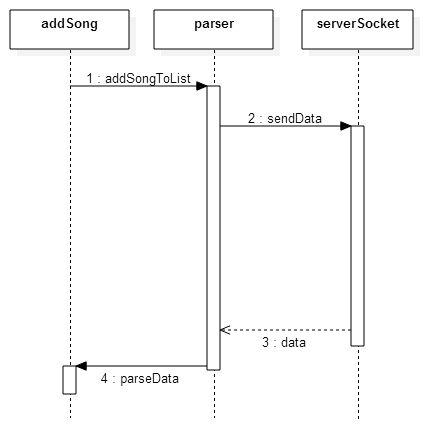
Home Client Side Sequence (continue):



Home Server Side Sequence (continue):



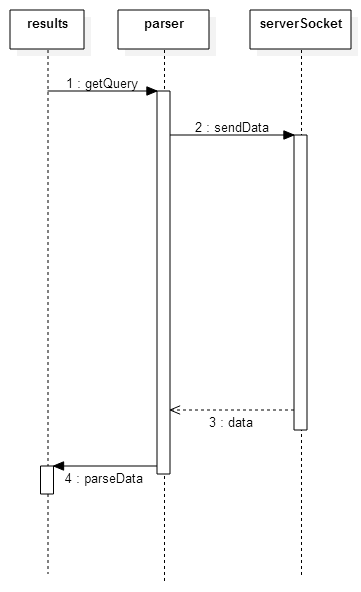
Add Song Client Side Sequence:



Add Song Server Side Sequence:

****

Result Client Side Sequence:

****

Result Server Side Sequence:

