Architecture Diagram

Collaborative Music Player

Web Client

- User Registration
- User Login

- Song Playback
- Song Progress
- Queue Interaction

Logic Server

- User Authentication
- User Interaction

- Song Uploading
- Parallel Playback
- Credit Processing

Web Server

- Access Database

Database

- User Account Details
- User Connections

- Song Queue

- Room List
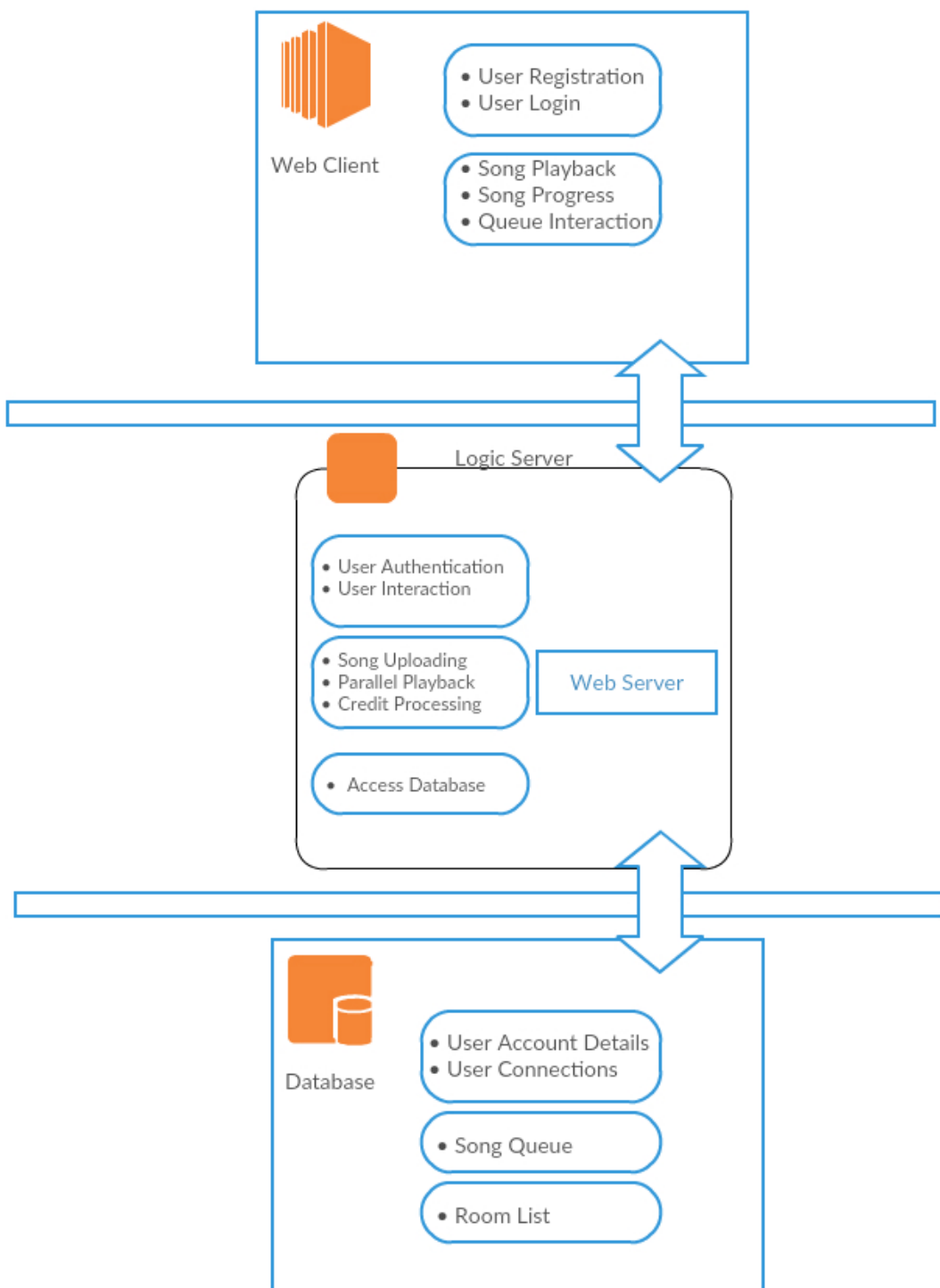
Overview

Our System Architecture follows two main Architecture Styles. The 2 Layer Client-Server and the Model View Controller. The Diagram above shows three main layers that each communicate with one other layer. This design shows a Web Client that connects to a Logic Server which interfaces with a Database. These components are the View, Controller and Model respectively. Because the Client is hosted as a Web Client and the Logic Server and Database are accessed through that web client we have a clear Client Server relationship.