**Software Design Document (SDD)**

**Online Music System**

*Master of Technology(Information Technology)*

*Semester X*

*Session January-May, 2014*

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Devi Ahilya Vishwavidyalaya, Indore, M.P.  
2014**

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**1. Introduction**

**1.1. Purpose :**

The purpose of this software design document is to provide a low-level description of the

Online Music system, providing insight into the structure and design of each component. This document aids in following manners :

* Following design principles promotes better understanding of requirements, cleaner designs, and more maintainable systems.
* Here the software is organized as a collection of discrete object that incorporate both data structure and behaviour.
* The essence of development (analysis, design and development) is the identification and organization of application-domain concepts.
* This development approach encourages software developers to work and think in terms of the application through most of the software development life cycle.
* Its greatest benefits come from helping to express abstract concepts clearly and communicate them to each other.
* It can serve as a medium for specification, analysis, documentation and interfacing as well as for programming.
* In short, this document is meant to equip the reader with a solid understanding of the inner workings of the Online Music System.

**1.2. References :**

* IEEE. IEEE Std 830-1998 IEEE Recommended Practice for Software Design Document IEEE Computer Society, 1998.
* Online Music System SRS.

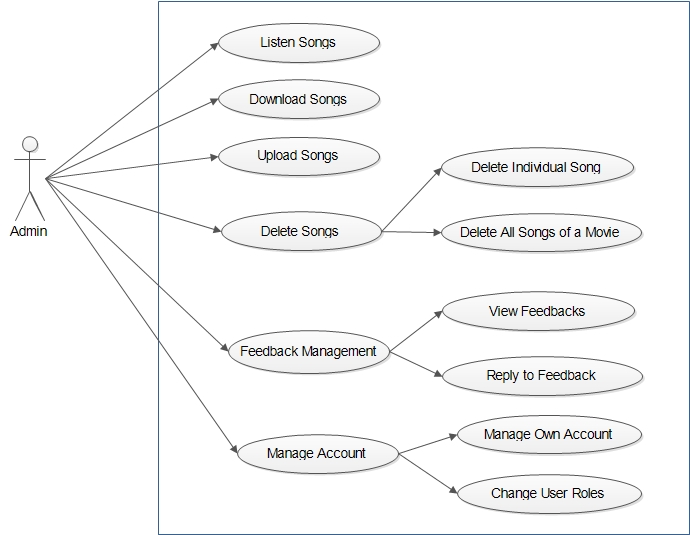
**1.3. Overview :**

The design document will contain :

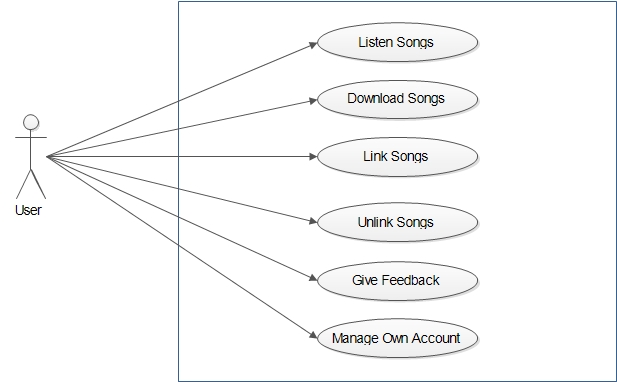
* Use Case Diagram
* Gantt Chart
* Data Flow Diagram
* Class Diagram
* Activity Diagram
* Sequence Diagram
* E-R Diagram
* Conceptual Data Design
* Physical Data Design (Data Dictionary)

**2. Use Case Diagram**

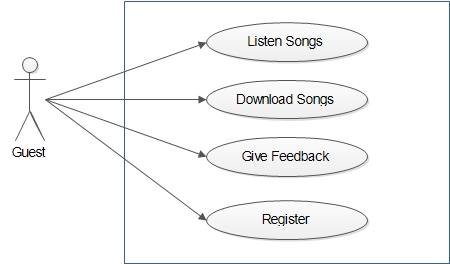
**2.1. For Admin**

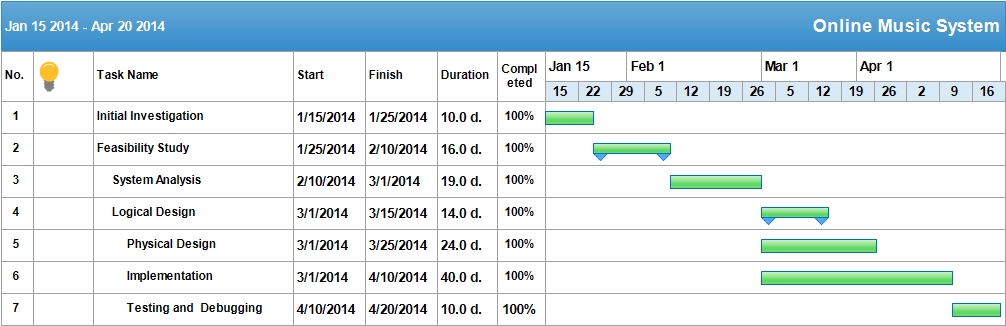
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**2.2. For User**

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**2.3. For Guest**



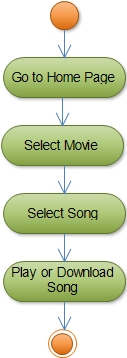
**3. Gantt Chart** ****

**4. Activity Diagram**

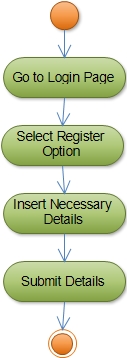
**4.1. Activity Diagram Symbols :**

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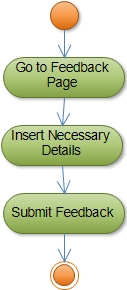
**4.2. Activity : Play or Download Songs**

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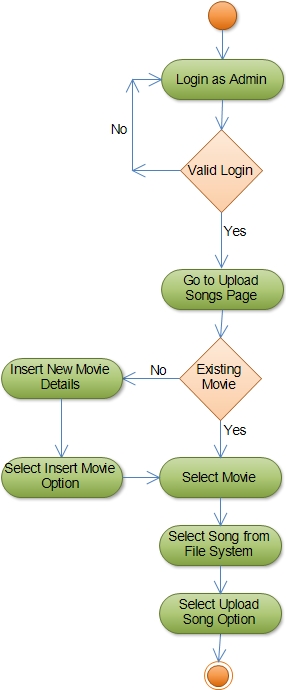
**4.3. Activity : Register**

****

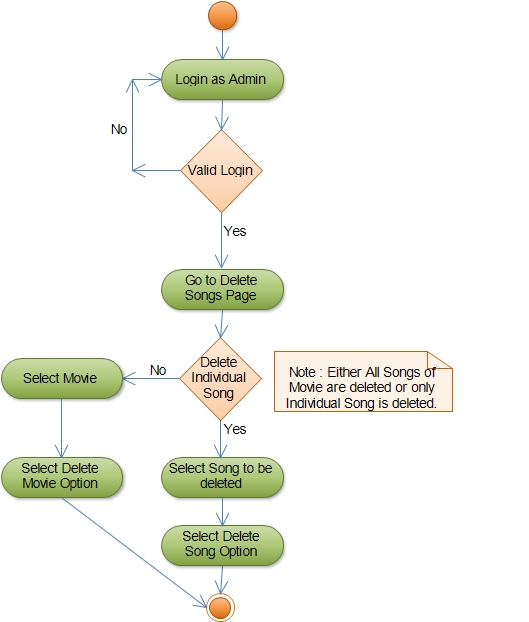
**4.4. Activity : Give Feedback**

****

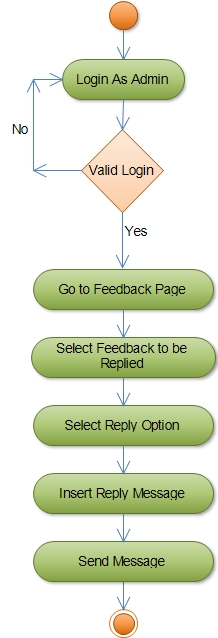
**4.5. Activity : Upload Songs**



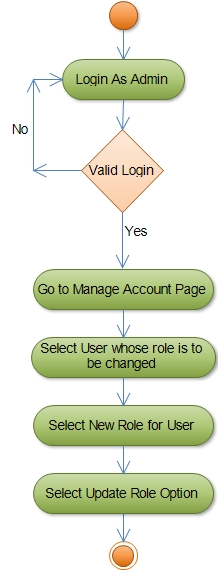
**4.6. Activity : Delete Songs**



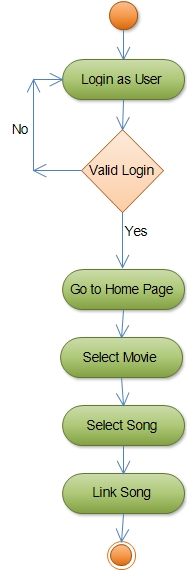
**4.7. Activity : Feedback Management**

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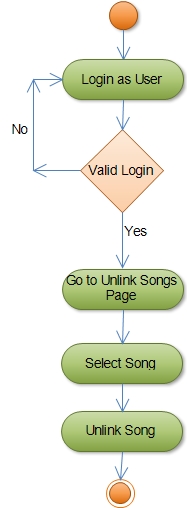
**4.8. Activity : Change User Roles**

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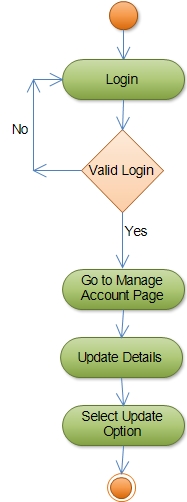
**4.9. Activity : Link Songs**

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**4.10. Activity : Unlink Songs :**

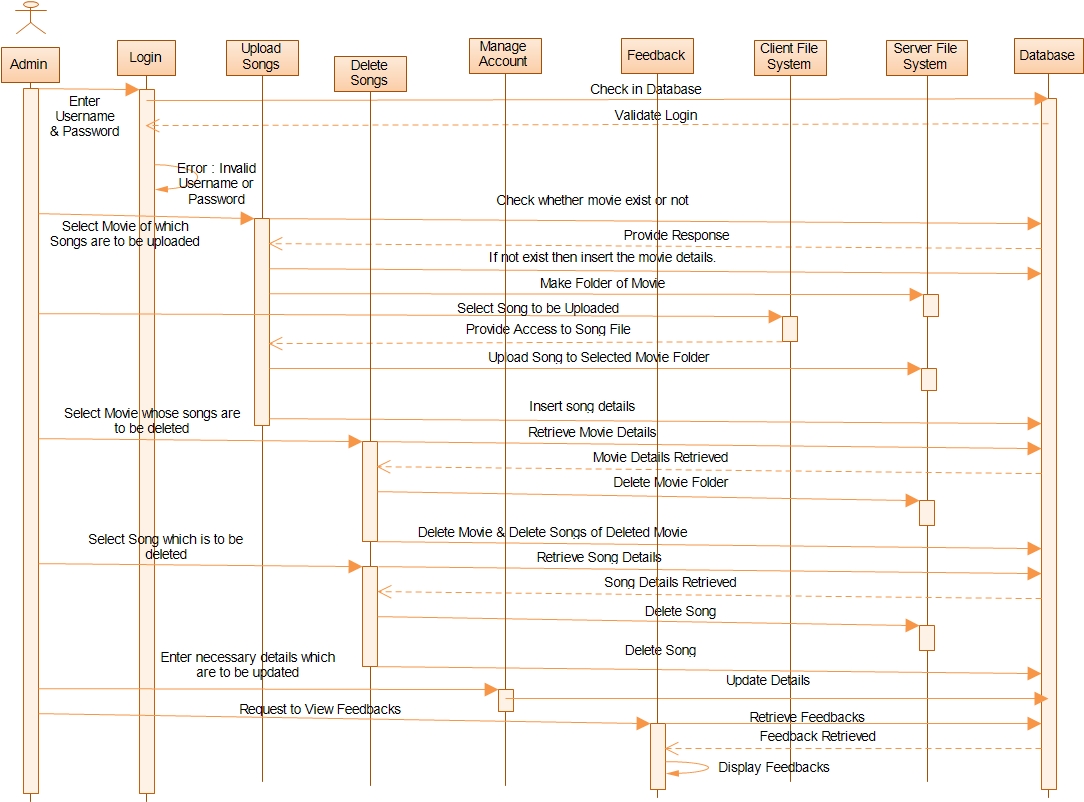
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**4.11. Activity : Manage Own Account**

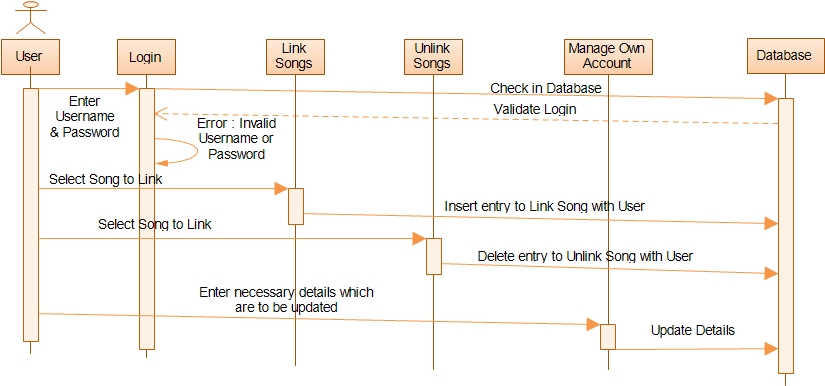
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**5. Sequence Diagram :**

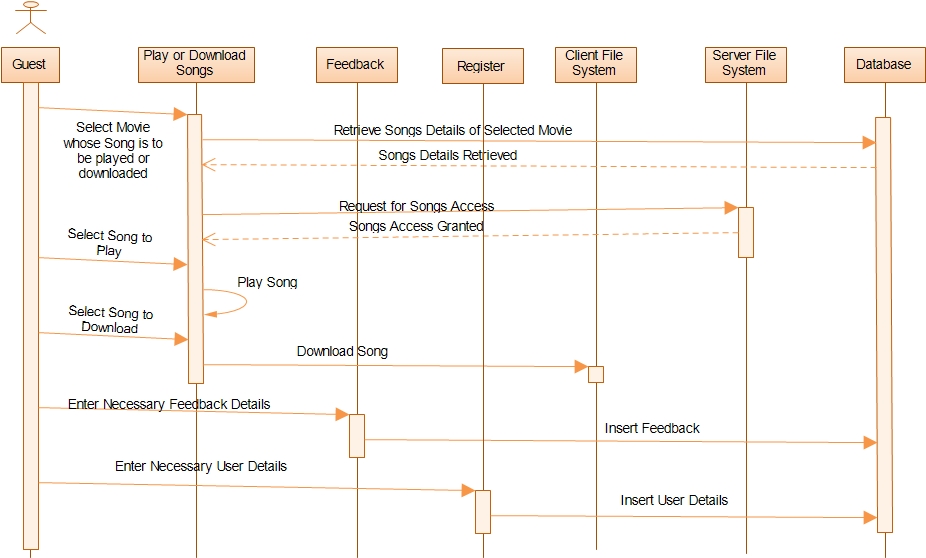
**5.1. For Admin**

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**5.2. For User**

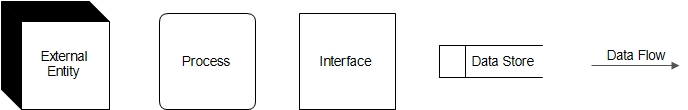
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**5.3. For Guest**

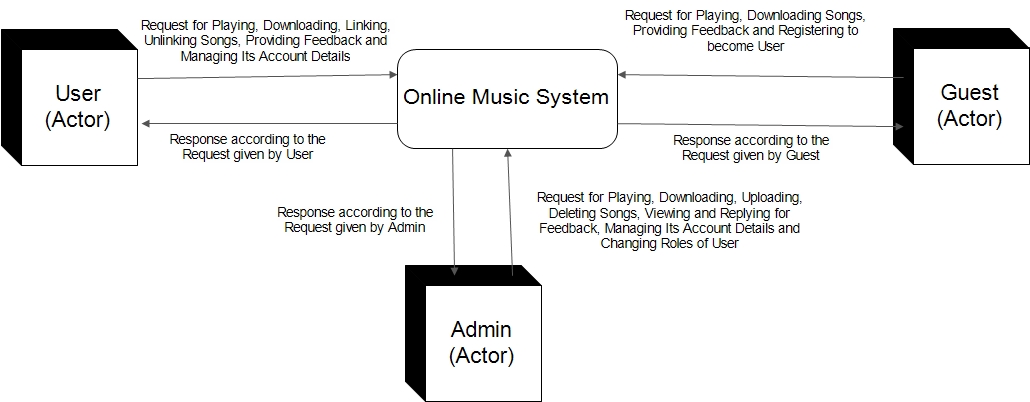
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**6. Data Flow Diagram :**

**6.1. Data Flow Diagram Symbols :**

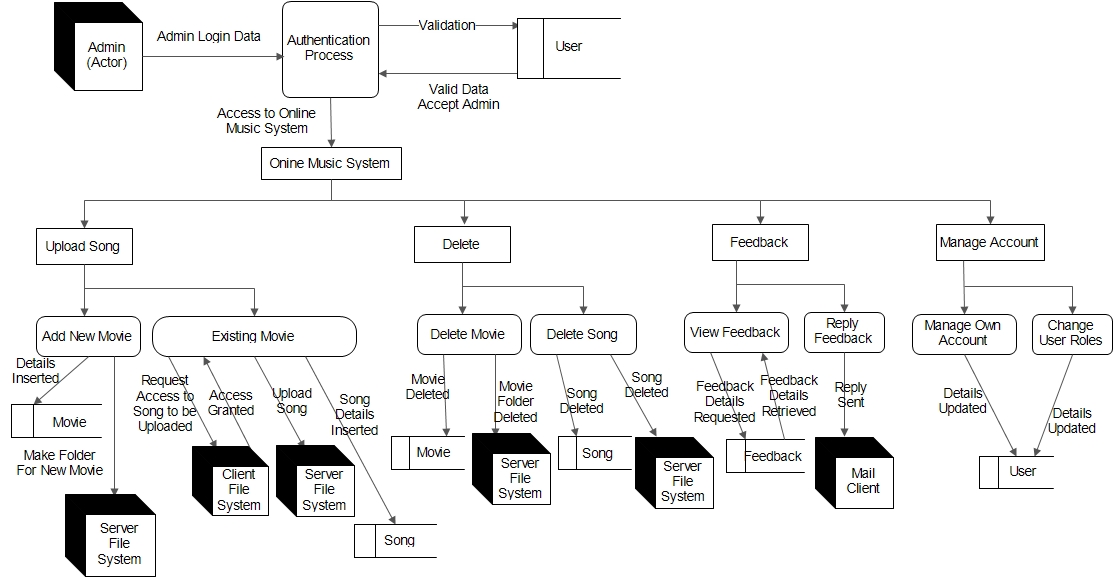
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**6.2. Context Data Flow Diagram :**

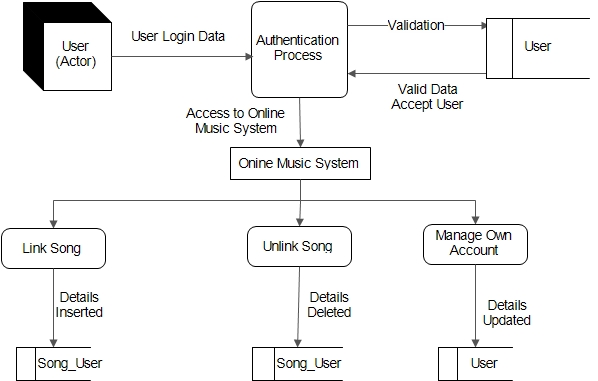
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**6.3. Level 1 Data Flow Diagram :**

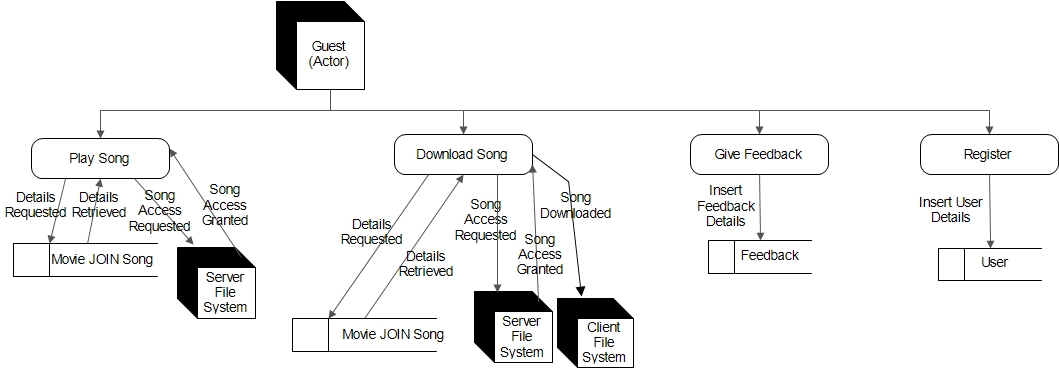
**a. For Admin :**

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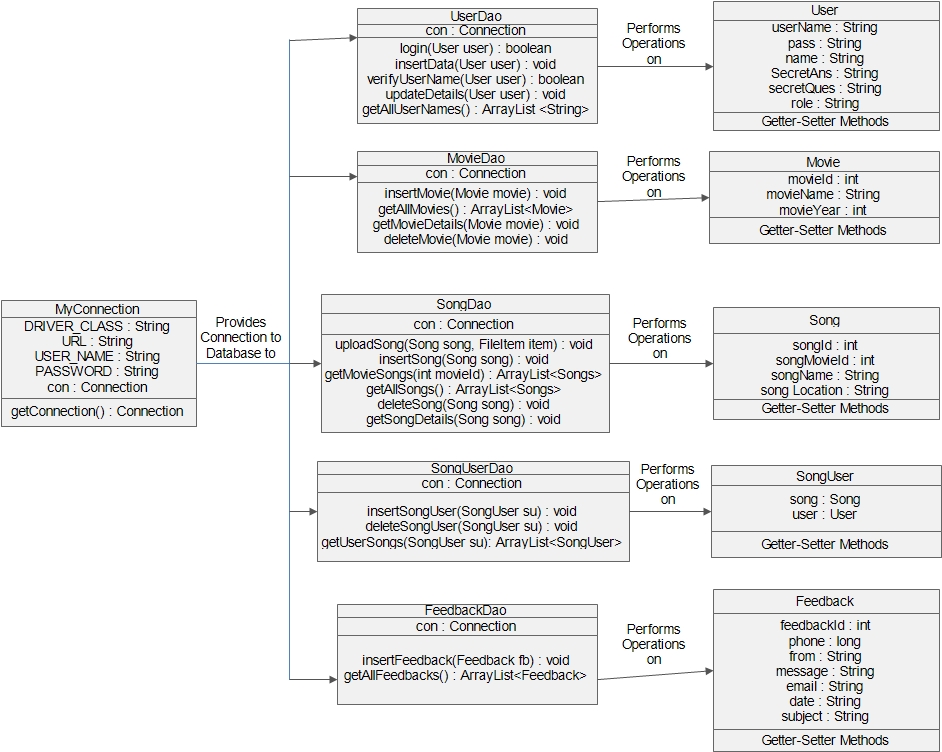
**b. For User :**

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**c. For Guest :**

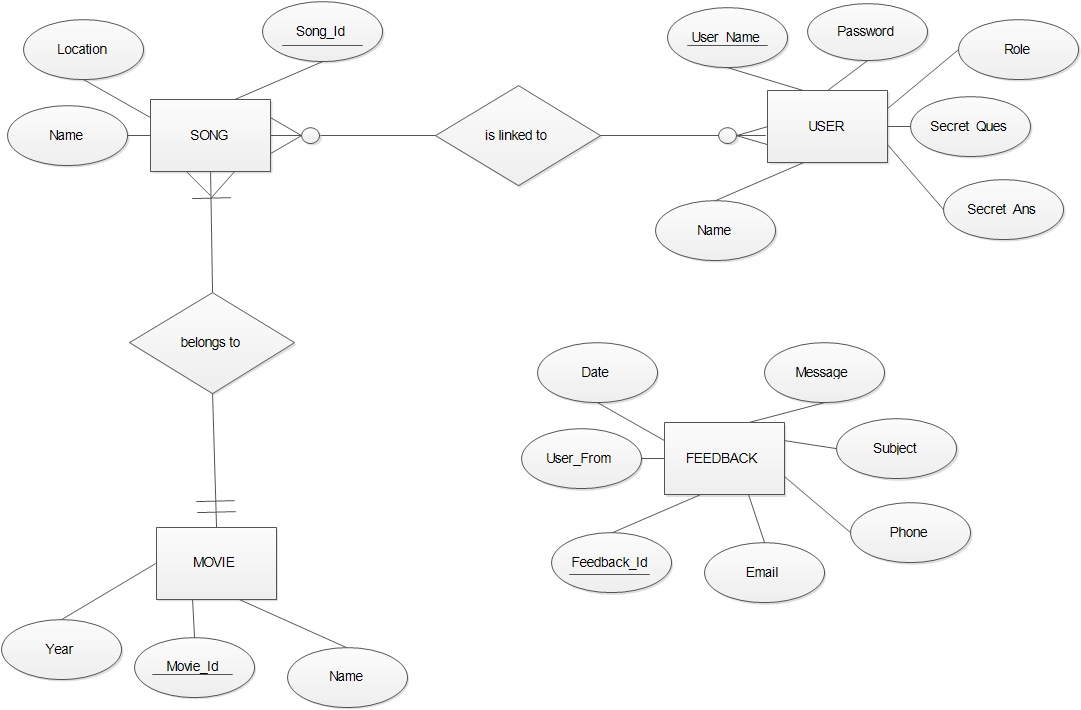
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**7. Class Diagram :**

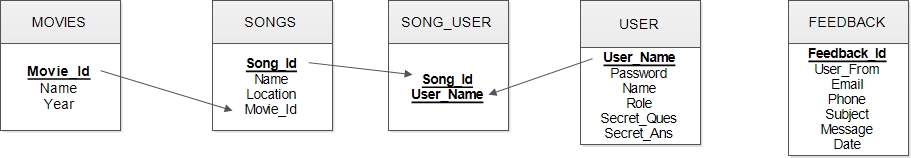
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**8. Data Design :**

**8.1. E-R Diagram :**

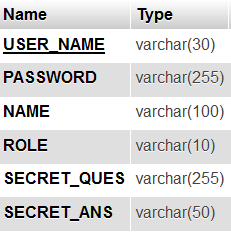
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**8.2. Conceptual Data Design :**

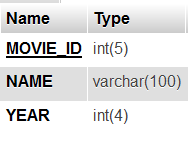
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**8.3. Physical Data Design :**

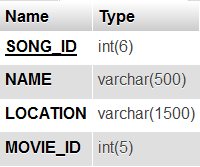
**USER TABLE**

****

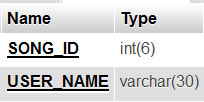
**MOVIES TABLE**

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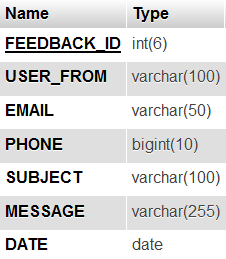
**SONGS TABLE**

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**SONG\_USER TABLE**

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**FEEDBACK TABLE**

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