Table 1. Data class “User”

|  |  |  |
| --- | --- | --- |
| **Entity** | User | |
| **Entity description** | An account for identification within the system | |
| **Attribute** | **Attribute description** | **Association** |
| email | Email of the user | - |
| password | A secret code for identification | - |

Table 2. Data class “Music Service”

|  |  |  |
| --- | --- | --- |
| **Entity** | Music Service | |
| **Entity description** | Contains configuration on how to connect to a certain Music Service and is used for retrieving artist, that a user follows | |
| **Attribute** | **Attribute description** | **Association** |
| name | Name of music service | - |
| configuration | Configuration needed to connect to the music service | - |
| user email | Email of the user, who provides configuration | User(email) |

Table 3. Data class “Music Release”

|  |  |  |
| --- | --- | --- |
| **Entity** | Music Release | |
| **Entity description** | Contains information about the release | |
| **Attribute** | **Attribute description** | **Association** |
| music service | A music service the release was pulled from | Music Service(name, user email) |
| artist name | Name of artist to whom this release belongs | - |
| title | Title of the release | - |
| songs list | List of songs in the release | - |

Table 4. Data class “Notification”

|  |  |  |
| --- | --- | --- |
| **Entity** | Notification | |
| **Entity description** | Contains configuration on how to send messages to a certain Notification type (email, chats) | |
| **Attribute** | **Attribute description** | **Association** |
| user email | Email of the user, who provides configuration | User(email) |
| enabled | If true then send this type of notification | - |
| sending configuration | Configuration needed to send messages to this channel | - |
| channel | Type of notification (email or chat) | - |
| last sent at | Time when this notification was last sent | - |
| sending period | How often to send the notification: daily, weekly, or monthly | - |
| sending hour | Hour, when to send the notification (default is TBD) | - |
| sending day | Which day of the period to send the notification (nothing if the period is daily) | - |