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| Assignment 1 | Project Summary |
| Course | **Web Application & Service Development with Spring Framework v5 - 2020** |

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| Project author | | |
| **№** | **Pseudonym** | **Face-to-face/online** |
| 1 | MusicFreak | online |

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| Project name | Remix Contest (Remix contests organizer) |

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| 1.Short project description(Bussines needs and system features) |
| This project aims to give the opportunity for starting a remix contest of you song and for music producers to participate in remix contests with the opportunity to win many prizes.  If you want to start a remix contest you have to apply and be ready for some investments. Based on the investments by the applicant, the organizer defines the prizes. You can choose the prizes if you want. All the rights for the remixes goes to the contest owner.  Anyone can participate in a remix contest. They just have to download the stems (vocals and music elements of the original song). And when they are ready with the remix they can submit their track.  Even though the contest owner defines the rules, most of them are common for all competitions. |

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| 2.Main Use Cases / Scenarios | | |
| **Use case name** | **Brief Description** | **Actors Involved** |
| Register | Any user can register by providing name , email and password. | All users |
| Register a contest | Everyone can register a contest by filling an application for remix contest. The applications may be approved or rejected by the administrators. The administrator can discuss the application before approve. (comments under the application) | All users |
| Upload tracks for a contest | Any artist can share their remix and participate in a contest. They have to provide a file and a description. They can also provide genre, key and tempo. An artist is able to make the track private (that way only the owner of the contest and the administrator will be able to hear the submission) | All users |
| Edit track | Every artist can edit their submission for a contest | All users |
| Notifications | The artist will have notifications when their track is liked, commented or when they are announced as winners. | All artists |
| Browse artist’s information and comment images | Anyone can see the artists profiles and their public tracks. | Everyone |
| Winners announced | The judges will have to announce the winners after. They will have to contact the administrators to do so. |  |
| Manage Users | Administrator can ban/delete users. | Administrator |
| Manage Contests | Approve(accept) contests and announcing winners of a contest (The judges will have to announce the winners after. They will have to contact the administrators to do so). | Administrator and Owner of the contest |

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| 3.Main Views (Frontend) | | |
| **View name** | **Brief Description** | **URI** |
| 3.1. Home | Presents the introductory information about the system. | / |
| 3.2. Contests | Presents all contests (present and past) | /contests |
| 3.3. Registration | Presents a view allowing for the new artist to make a profile. | /register |
| 3.4. Login | Presents a view allowing the user(artist) to log into his/her profile. | /login |
| 3.5. Notifications | A view with the notifications for the current logged in artist | /notifications |
| 3.6. Applications | A view with all the remix contest applications (visible only for the current logged in artist) | /applications |
| 3.7. Application | A view with info for a remix contest application (visible only for the current logged in artist) | /applications/{id} |
| 3.8. Applications submissions | A view with all the submissions of a remix contest | /applications/{id}/submissions |
| 3.8. Profile | Presents a view allowing the artist to change their personal data. | /{profile} |
| 3.9. Submissions | Presents a view with all the submissions of an artist. | /{profile}/submissions |
| 3.10. Submission | A view with info for a submission | /{profile}/submissions/{id} |
| 3.11. Artists | Presents ability to see the artists | /artists |
| 3.12. Artist | Ability to see a specific artist | /artists/{id} |

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| 4.API Resources (Backend) | | |
| **View name** | **Brief Description** | **URI** |
| 4.1. Login | POST User e-mail and password and receive a valid Security Token to use in subsequent API requests. | /api/login |
| 4.2. Logout | POST a logout request for ending the active session with the System, and invalidating the issue Security Token. | /api/logout |
| 4.3. Artists | GET artist data. Providing a list of them, giving the ability to browse a specific profile. | /api/artists |
| 4.4. Artist | GET artist’s data for a specific artist.(View artist’s profile) | /api/artists/{id} |
| 4.5. Remix contests applications | GET all applications,  (id automatically generated)  Available only for ADMINISTRATORS  POST an application Available only for ARTIST(only for his own applications) | /api/applications |
| 4.6. Remix contests application | PUT, DELETE application  Available only for ARTIST(his own applications) | /api/applications/{id} |
| 4.7. Remix contest application approval | PUT application  approve | /api/applications/{id}/approve |
| 4.8. Remix contest application rejection | PUT application  reject | /api/applications/{id}/reject |
| 4.9. Contests | GET all contests | /api/contests |
| 4.10. Contests | POST  contest, id is generated automatically  Available only for ADMINISTRATORS | /api/contests |
| 4.11. Contest | PUT, DELETE contest  Available only for ADMINISTRATORS | /api/contests/{id} |
| 4.12. Contest’s submissions | GET  Get all submissions for a contest | /api/contests/{id}/submissions |
| 4.13. Submissions | GET all submissions of an artist  POST a submission (id is generated automatically)  Available for ARTISTS | /api/artist/{id}/submissions |
| 4.14. Submission | GET a specific submission of a specific artist | /api/artist/{id}/submissions/{submissionId} |