
Software Requirements Specification

for

Myusync

Version 1.0

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Revision History

| Name | Date | Reason For Changes | Version |
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1. Introduction

1.1 Purpose

The purpose of this Software Requirement Specification (SRS) is to present a detailed overview of our software MYUSYNC- a website required to bridge the gap between musicians and non-musicians , that we will design and implement. There are lots of challenges faced by the musicians that they are not able to ‘market’ their music well, as they do not have enough following opportunities hence it takes a lot of time to get recognized. This document is made by collecting and analysing all sorted ideas we have come up with to define the system and its requirements to provide a platform to the musicians where they can showcase their talent and get recognized.

1.2 Document Conventions

To make this SRS document more effective and readable the following conventions are used:

- Font style - Times New Roman
- For main headings the font size is 18 and properly bolded
- For sub-headings the font size is 14 and properly underlined
- For the normal text the font size is 12.
- All the sections and subsections are properly numbered using X.X.X format where X are numbers.

1.3 Intended Audience and Reading Suggestions

This document is intended to be read by the people who have an active role in making this website, as well as the users.

The developers may use the various diagrams and functional requirements (section 3) to understand the functionalities of the website as well as the flow. Project managers may use this to recognise and make a timeline with milestones so as to ensure that no requirement is missed out on, which can be verified by testers by referring to this document. It can also be used by anyone who wishes to understand how the website works, such as the end-users, and offer clarity.

This document consists of five parts -

1. Introduction
2. Overall Description - Overall procedure of the system and components.
3. System Features - Specifies all the features available in the system
4. Other Non-functional requirements - Describes all the non - functional requirements like performance requirements, safety requirements, security requirements, etc.
5. Other requirements - DFDs, UCD

We suggest the reader to start from the overall description and then proceed to the other sections in chronological order.

1.4 Project Scope

Musicians often face a serious problem: doing a job of marketing agency and creating and performing great music at the same time. By showcasing their talent, their ultimate goal is to reach millions of fans nationwide. However, fame cannot be achieved overnight, it takes putting time and lots of effort into both producing and promoting the music in order to make it big.

The 'Myusync' website will:

1. Help musicians succeed and get in touch with their contemporaries for any kind of work, shows, concert using etc.
2. Provide a platform wherein an artist can build his/her own profile, select his/her own field of expertise (such as guitar, violin etc) and then search for other musicians to collaborate with.
3. Provide them job opportunities, which will help them get recognition and succeed in music careers.

The main objective of the website is to intake information given by the musician regarding his/her own personal details, their field of expertise in music (guitar, violin etc) and various other parameters, contact details, their work experience in the musician's database and to intake the information given by the non-musician i.e, company name, work experience, contact details etc in the non-musician's database. The musician's can search for other musician's for collaboration and the non - musician can search for the musician's for offering them the job opportunity. The non-profile users can access the musician's database but contact details won't be accessible to such types of users. This website has a login system where new musicians and non - musicians will register and the information will be given to the login-credentials database.

This system will benefit the company (non- musician) as well as the job seekers (musicians). Job seekers can post their experiences in their area of expertise. Whereas the non-musicians can offer jobs to the musicians. They can also search for the type of musician they want to hire and can contact them. This system will maintain the database of the musicians as well as the non-musicians.

We aim to make Myusync a recognised and go-to platform for people in the music industry to connect. We expect to expand our reach to huge Music Labels and Publishers. Our goal will always be to help those who have not made it big into the industry and get them recognised by these big companies.

1.5 References

- <https://www.coursehero.com/file/33804213/CengHistoryX-SRSpdf/>
- <https://krazytech.com/projects/sample-software-requirements-specificationsrs-report-airline-database>
- <https://freshcodeit.com/freshcode-post/creating-srs-step-by-step-by-analyzing-requirements>

2. Overall Description

2.1 Product Perspective

Myusync is a one-of-its kind website, connecting musicians and non-musicians and encouraging them to collaborate in a convenient manner. Currently existing websites involve middlemen, which slows down the process, and may also require a certain form of payment. Through our website, we enable a musician and non-musician to carry out this process with transparency and greater ease.

The overall procedure of the website can be divided into 3 major parts -

1. Profile creation
2. Searching and Matching
3. Contact Exchange



In order to use the various functionalities of the website, an individual must make a profile on the website. This can be done under two categories - as a musician and as a non-musician. Each user has access to different features. During the creation of a profile, they must enter a few basic details (all of which have been described in greater detail in System Features), which apart from being a major part of our database and assisting in the search functionality, will also help us ensure legitimacy of users to some extent.

On clicking on the type of user (Musician or Non-Musician), the user will have to fill a form. The form will ask for basic details according to the type of user (such as instruments played by a musician and previous experiences of a non-musician).

The diagram illustrates the login interface. At the top is a navigation bar containing a 'LOGO' button, a central '<<<Navigation Bar>>>' placeholder, and a 'LOGIN' button. Below the navigation bar is a large 'LOGIN' section. This section contains two side-by-side login forms. The left form is for 'MUSICIAN' and the right form is for 'NON - MUSICIAN'. Each form includes an 'Email ID/Username:' field, a 'Password:' field, a 'Forgot Password?' link, and a 'LOGIN' button. At the bottom center of the login section is a link that says 'Or Register?'.

The Non-Musician type of user will be able to search for musicians. They will do so by posting a job opportunity, and entering various search parameters, which will enable the search algorithm to scan through the database and look for suitable matches. The matched profiles will be displayed in descending order of matching percentage.

If a non-musician wishes to collaborate with a musician (present on the Matched Profiles list), they can view the profile of the musician, as well as their contact details. After providing the list, it will be the choice of the non-musician whether to collaborate or not, or any other way in which they wish to use the information.

Similarly, a musician will be able to search for fellow musicians to collaborate; the procedure will remain as explained above.

2.2 Product Features

Registration

- In order to utilise the features of the website, a non-profile user must register on the website.
- During the registration process, a user must enter what type of user they want to register as, i.e. Musician or Non-Musician. On selecting either, they will be directed to a form, which will have questions specific to the type of user.
- Basic details such as Username, Password, Name, Date of Birth, Email Address, Phone Number will be asked from both types of users.
- Additionally, a musician and non-musician will be required to enter more details. Entering two or more details will result in successful profile creation of the user, after which they will be able to access the user-specific functionalities.
- After successful registration, a confirmation email will be sent to the user.

Login

- A registered user must login every time they wish to use the website.
- After clicking the login button on the navigation bar, they'll be redirected to the login page.
- The login page will consist of two different login areas, one for musicians and one for non-musicians. The user will login according to their type.
- After verification of login credentials, the user will be directed to the homepage and will get access to user-specific functionalities.

Manage/Update Profile

- Users will be given an option to update their profile at any given time, in case they wish to update any information, links, contact details, etc on their website.
- Once logged in, users can open their profile, where the option to edit will be available.
- Users will also be given an option to change their password and username. A link will be sent to the email ID of the user in both cases, following which the change can be made easily.

Search for Collaboration with Musicians

- A musician has access to musician profiles.
- Musicians can enter search according to the details entered during profile creation to search for another musician to collaborate with.

- On entering search parameters and pressing “Search”, a list of profiles matching the requirements will be portrayed as a list (in descending order of match percentage).

Open Opportunities

- Non-musicians have access to this feature of opening opportunities.
- A non-musician will enter search parameters according to their requirements and press “Search”.
- As soon as they press search, a job opportunity will be created, which will only be visible to the non-musician who created it. They will be able to name the opportunity.
- A list of all the musicians will be displayed in the decreasing order of match percentage with the searched parameter.

Look For a Job

- The Musician would be able to see the jobs opportunities they are matching with.
- According to their entered skills and the requirements, the match percentage is calculated.
- The opportunities would be displayed in a decreasing order with respect to the match percentage.
- The Musician would be able to click to expand the opportunity and see the requirements as well as the profile of the non-musician that opened the opportunity.

Contact Exchange

- As the name suggests, this is the process of interchanging of contact details amongst the profile-users. Non-profile users do not have access to this feature.
- This can be used by both musicians and non-musicians with certain restrictions; musicians can exchange contact details amongst themselves and non-musicians with musicians, and only if they match with a certain profile.
- On clicking on a job opportunity, a list of matched profiles will be visible, in decreasing order of match percentage. Towards the right, a button “View Profile” will be present to show the matched profile. The user has to simply click the button, and the section of contact details will be visible on the profile of the matched user.

2.3 User Classes and Characteristics

There will be 3 end-users of our website -

1. Musician - Musicians are an integral part of the website. This type consists of the users who are part of the music industry as vocalists, instrumentalists, composers, etc., i.e. those who make music. These can be hired by the non-musicians, or can collaborate with other musicians.

2. Non-Musician - Non-Musicians are also an integral part. These users will be the ones who require the services of a musician, i.e. those who will provide job opportunities for the musicians. This kind of user could range from YouTubers who may require background music for their videos, to directors requiring music for a short movie or documentary.

3. Non-profile User - Non profile users are the users who do not wish to collaborate or hire musicians, but wish to listen to compositions of the musicians for recreation purposes.

❖ Musicians and Non-musicians are the favoured user classes.

Frequency of use

- Musicians and Non-Musicians will be the frequent users of the website.
- Since non profile users will be using the website for recreational purposes, their frequency of usage is not of much importance as of now.

Subset of product functions used

Musician - A musician will have access to other musician profiles and hence will be able to view their contact details. They will, however, not be able to interact directly with non-musicians until and unless approached by one.

Non-Musician - Non-Musician will have access to musician profiles and will be able to post job opportunities to gain access to their contact details.

Non profile users - They will only have access to musician profiles i.e. any links to music that they have made.

Technical Expertise

All three types of users will be of varied technical expertise. The website, however, does not require any kind of special training. The user must be capable of opening a website and operating it.

Educational Level, Experience

There is no particular educational level or experience required, however, a musician must be capable of entering at least some data related to the parameters such that we are able to match them according to their capabilities. For example, they must know how to play a musical instrument, or what type of musician they are (vocalist, etc.) or if they have any professional certifications.

Security Levels

Security Levels requiring Login -

Musician user -

- Musicians will not be able to directly access profiles of non-musicians.
- Musicians will be able to access profiles and contact information of other musicians.

Non-Musician user -

- Non-musicians will be able to access profiles of musicians as well as their contact info.
- Non musicians will not be able to access profiles of other non-musicians.

Security Levels not requiring Login -

Non-Profile user -

- Non Profile users will not be able to access the non-musician profiles.
- Non profile users will not be able to access contact details of both musicians and non-musicians.

Assumptions

- The user is capable of opening a website and operating it.
- Every musician type user is capable enough to be able to fill in at least one parameter (discussed in general features), so that they are able to match the job requirements posted by the non-musicians.

2.4 Operating Environment

- Frontend
 - HTML
 - CSS
 - JavaScript
- Backend
 - Python
 - PHP
 - SQL
- Operating System

- macOS
 - Windows 8.1
- Compatible with Chrome, Safari, Internet Explorer.

2.5 Design and Implementation Constraints

TBD

2.6 User Documentation

TBD

2.7 Assumptions and Dependencies

- The user is capable of opening a website and entering required data i.e. operating a website.
- All the information entered by a musician and non-musician is correct and belongs to that person only, i.e. the user is not a fraud user.
- Every musician type user is capable enough to be able to fill in at least one parameter (discussed in general features), so that they are able to match the job requirements posted by the non-musicians.

3. System Features

3.1 Login and Authentication

3.1.1 DESCRIPTION:

The login screen allows registered users to login to the site to access all of the features that their account gives them access to. (There will be two types of users: (i) MUSICIANS (ii) NON-MUSICIANS)

3.1.2 STIMULUS / RESPONSE

- The user enters into the login window by clicking on the “LOGIN” button.
- If he/she is a registered user, they enter their username and password, select their user type out of MUSICIANS AND NON-MUSICIANS, and are then directed to the main page of the website.

- If the user is not a registered user, then they click on the “REGISTER” button and are moved to the register window, where they fill their details and click the “SUBMIT” button. Login data will be checked for correctness, if incorrect, the error message shall be displayed as labels or dialog boxes and if correct, it shall forward the user to the main page.
- Only logged-in users shall be able to perform the activities after being directed to the main page of the site.

3.1.3 FUNCTIONAL REQUIREMENTS

REQ-1: Firstly, the user will have to select their category out of musicians and non-musicians. Then, if they type in their correct username and password and click on “submit”, the user credentials are validated and if correct, they are logged in. If they are incorrect, an error message is shown.

REQ-2: There is also an option of “Forgot Password”. If the user has forgotten their password they click "Forgot Password" which takes them to a password recovery screen.

REQ-3: If the user does not have an account then they click the “register” button and are taken to the registration window to fill their details. In the registration screen the person selects his/her user type, fills in all of their information asked and clicks submit, the data is then validated to make sure there is not an existing user with those credentials. If there is an existing user then the user is asked to enter a new username. If there is no conflict with the credentials then the user is registered and is sent an email to verify the registration process. A link is provided to them which upon clicking leads them to the main page of the site.

3.2 Search for Collaboration with Musician

3.2.1 DESCRIPTION:

This feature shall be exclusively for the users who are registered as “MUSICIANS” in the site. This feature allows them to view the profiles of the other Musicians who are registered in the site, and who can be contacted and collaborated with.

3.2.2 STIMULUS/RESPONSE

- There shall be a “Search Bar” in which the musicians can type the category of musicians who they want to find (like, guitarist, table specialist, folk singer etc.).

- The entered text will be used as filter criteria and then there will be a list of the “entered” type of music specialists as entered by the user.
- The user may select any of the musicians from the displayed list and then contact him/her.

3.2.3 FUNCTIONAL REQUIREMENTS

REQ-1: Firstly, the user who has registered into the site under the account type “MUSICIAN” should be able to view the Search Bar.

REQ-2 : The user should be able to type the category of music specialist who they find and collaborate with and then click on “View Profiles” Button for the list of musicians to be displayed.

REQ-3 : Then the system shall return a list of Music specialists of that particular category , arranged in a grid layout from top to bottom in decreasing order of match percentage . This shall take place by matching the Suggested Musician’s description (present in the database) with the entered category of Musicians. System will create an SQL statement using the search text, connect to the database , run the SQL command and display the result.

REQ-4 : If the musician is interested in any of the profiles shown, he/she shall be able to see the detailed view of that profile, by clicking on the “DETAILED VIEW” button.

REQ-5: If no musician’s profile matches with the entered category, then there shall be a screen showing “NO RESULTS FOUND”.



3.3 Update/Edit Profile

3.3.1 DESCRIPTION:

This feature shall be for all the users in the site, be it “MUSICIANS” or “NON-MUSICIANS” or the “ADMIN”. This feature will allow the registered users to make changes in their existing profiles on the site. For example, if someone wants to add a new

email-id, or edit their phone number, or add a new work link, or edit their username, they shall be able to do so by using this feature.

3.3.2 STIMULUS/RESPONSE

- There shall be a button “EDIT PROFILE” under which all the editing features shall be performed.
- The features mentioned below will be common to both the kind of registered users: “MUSICIANS” as well as “NON-MUSICIANS”:
 - There shall be an option to edit the username, by clicking on the “Edit Username” button.
 - There shall be an option to edit the email-id, by clicking on the “Edit Email” button.
 - There shall be an option to edit the phone number, by clicking on the “Edit Phone Number” button.
 - There shall be an option to edit the date of birth, by clicking on the “Edit Date Of Birth” button.
 - There shall be an option to edit the genres, by clicking on the “Edit Genres” button.
 - There shall be an option to edit the work links, by clicking on the “Edit Work Links” button.
 - There shall be an option to edit the experience, by clicking on the “Edit Experience” button.
- The features mentioned below shall be exclusively for the registered “MUSICIANS “ in the site:
 - There shall be an option to edit the type of “MUSICIAN ” that he/she is(like, Vocalist, Composer, Instrumentalist) by clicking on the “Edit Type of Musician” button.
 - There shall be an option to edit the Professional Certificates by clicking on the “Edit Professional Achievements”.
- The features mentioned below shall be exclusively for the registered “NON-MUSICIANS “ in the site:
 - There shall be an option to edit the language, by clicking on the “Edit Language” button.
 - There shall be an option to edit the company associated to, by clicking on the “Edit Work Associations” button.
- There shall be a “Save Changes” button, which upon being clicked, shall save the changes after the data in the edited profile is validated from the database.

3.3.3 FUNCTIONAL REQUIREMENTS

REQ-1- First of all, there will be a button visible to all the registered users in the site, named “EDIT PROFILE”. On clicking this button , the edit page shall open.

REQ-2- Depending on whether the registered user is a “MUSICIAN “ or “NON-MUSICIAN” , the following thing shall be displayed.

If the registered user is under the category of “MUSICIAN”, then he/she shall be able to update/edit the following things:

- 1) Edit Username
- 2) Edit Date Of Birth
- 3) Edit Phone Number
- 4) Edit Email Id
- 5) Edit Type
- 6) Edit Experience
- 7) Edit Work Links
- 8) Edit Professional Achievements
- 9) Edit Genres

If the registered user is under the category of “NON-MUSICIAN”, then he/she shall be able to update/edit the following things:

- 1) Edit Username
- 2) Edit Date Of Birth
- 3) Edit Phone Number
- 4) Edit Email Id
- 5) Edit Language
- 6) Edit Work Associations
- 7) Edit Genres

8) Edit Experience

REQ-3 -In all these above options provided to the users, the corresponding type of user shall be able to edit the particular option from the profile form. System shall check the data for database constraints such as data length, data type and format. If the data is wrong, an error message shall be displayed. If the data is correct, the data shall be stored in the corresponding data base and a message shall be displayed for successful compilation by clicking on the “Save Changes” button.

3.4 Contact Exchange

3.4.1 Descriptions and Priority

This feature is for the exchange of contact information among the musicians and between a non-musician and a musician. When a musician will appear in the ‘Matched Musician Profiles’ list, the searcher will get access to the contact information of the matched musician. This is a high priority feature as it is the final step for collaboration of users.

3.4.2 Stimulus/Response Sequences

On clicking on a job opportunity, a list of matched profiles will be visible, in decreasing order of match percentage. Towards the right, a button “View Profile” will be present to show the matched profile. The user has to simply click the button, and the section of contact details will be visible on the profile of the matched user.

3.4.3 Functional Requirements

REQ 1: A button of “View Profile” shall be present towards the right of each matched profile, along with matching percentage.

REQ 2: On clicking the button, the user should be directed to the profile of the matched user.

REQ 3: On the profile of the matched user, the interested user should be able to see a section (previously not visible), which shall contain the contact details.

3.5 Open Opportunities

3.5.1 Description and Priority

This feature of MYUSYNC is operated on by the Non-Musician user to open a search for potential musicians according to the inputted criteria to hire or collaborate with. This is mainly run by "opening an opportunity" which is basically the process of searching the Musician Database with the search parameters specified. The priority of this system feature ranks extremely high (9) as it is one of the most important and key features for the whole software's operation.

3.5.2 Stimulus/Response Sequences

- The Non-Musician user would "open an opportunity".
- The opportunity would be a culmination of the search parameters entered by the Non-Musician. It would be the genre, skill level, the type of work and the kind of musical instrument that needs to be played.
- The software would return the possible Musician profiles with their match percentage to help the Non-Musician make their decision.
- The updation and deletion of an "opportunity" would also be an option.

3.5.3 Functional Requirements

- REQ 1: The registered Non-Musician should be able to access the "Open Opportunity" tab.
- REQ 2: A window should open with all the possible attributes that the Musician profiles can be divided and sorted against is displayed. The Non-Musician enters their criteria (the skill level, type of music preferred etc.) and then publishes the "opportunity".
- REQ 3: The software then takes the inputted data into a searching algorithm and runs it through the Musician Profile Database and each profile is assigned a "Match Percentage".
- REQ 4: The Profiles are then displayed in the decreasing order of their match percentage to the Non Musician.
- REQ 5: The Non-Musician should be able to open these profiles and research on any links or data provided by the Profile.
- REQ 6: The "Opportunity" could be deleted or modified at any point of time. The "opportunity" could be left open for an unlimited amount of time so as to search for new Musician profiles.

3.6 Look for a Job

3.6.1 Description and Priority

This feature of MYUSYNC is operated on by the Musician user to browse through the "opportunities" that were created by the Non-Musicians. The matching algorithm is employed for the same. The priority of this system feature ranks high as it is one of the most important and key features for the whole software's operation.

3.6.2 Stimulus/Response Sequences

- The Musician would enter their areas of specialization at the time of profile making.
- The Musician would be able to modify their attributes.
- They will have access to the "Look for a Job" tab that will display the required opportunities.
- The software would return the possible "Opportunities" with their match percentage to help the Musicians make their decision.

3.6.3 Functional Requirements

- REQ 1: The registered Musician should be able to access the "Look for a Job" tab.
- REQ 2: The software then takes the inputted profile data into a searching algorithm and runs it through the opened Opportunities Database. The "opportunities" are assigned a match percentage according to the similarity between the Musician's attributes and the data entered in the opportunity.
- REQ 3: The "opportunities" are then displayed in the decreasing order of their match percentage to the user.
- REQ 4: The Musician should be able to open these opportunities and research on opportunity needs and expectations as well as the Non-Musician Profile that has opened the "opportunity".

4. External Interface Requirements

4.1 User Interfaces

There will be two types of users: "MUSICIANS" and "NON-MUSICIANS". Hence, there shall be a difference between users in terms of functionality, visualization and interface.

The login page shall first display the two kinds of option:

- Login as MUSICIAN
- Login as NON-MUSICIAN

Then after deciding their option of login, the two parameters of login, i.e., Username and Password will be asked from the user. Also, both kinds of users shall be able to edit their profiles using the “EDIT/UPDATE PROFILE” option, once logged in.

The users entered as “MUSICIANS” shall have access to a Search Bar where they can search and collaborate with other musicians, by typing the category of musicians they want to contact or collaborate with (guitarist, vocalist, pianist etc.). The musicians whose profiles matched with the entered keywords, his/her profiles shall be displayed after clicking upon the “VIEW PROFILES” button. To see the detailed profile of a particular musician, there shall be a “DETAILED VIEW” button and can exchange their contacts using “CONTACT EXCHANGE” option. Also, they will be allowed to use the option “LOOK FOR A JOB” under which they can view the job requirements which matched their profiles.

The users entered as “NON-MUSICIANS” shall have access to “”OPEN OPPORTUNITIES” button where they can see the musicians profiles which matched with the job opportunity that a non-musician had provided.

4.2 Hardware Interfaces

The “MYUSYNC” site can work on any internet connected device, be it Android, IOS mobile devices or Tablets. These devices should have some limit requirements to make the site run effectively. We expect that the processor speed and internet speed are high.

4.3 Software Interfaces

The “MYUSYNC” site shall work on any platform. Internet Connection is a must to reach the system. Moreover, most of the site shall be coded in Python. Moreover, some languages like, HTML, CSS , JavaScript shall be used to design the Frontend.

4.4 Communications Interfaces

Internet connection will be encrypted. All network communications shall use HTTPS/TLS.

5. Other Nonfunctional Requirements

5.1 Performance Requirements

The proposed software is supposed to be used by multiple users across a large geographical area. It will be interacting with various people among multiple demographics. Therefore, it is expected to have certain requirements to ensure the success and ease of use of the software.

- The software should be relatively fast (response time should be less than 2 seconds) without compromising other specified functional and nonfunctional requirements.
- The software should have the capability to handle expected as well as non-expected errors while preventing data loss.
- An inbuilt error testing should be embedded for the login credential verification.
- Due to the software having to store enormous amounts of data, adaptable and suitable storage methods should be employed.
- The software should embody scalability, portability and overall efficiency.
- The website should be able to handle unexpected surges of users online.
- The page should be reloaded manually.
- There should be secure logins for all the users operating the software.

5.2 Safety Requirements

- Due to the availability of the software to the masses, the threat of the database crashing due to computer viruses or operating system failure is credible. Thus, a database backup should be created so as to ensure no data loss.
- Due to the website having links to other media sites like YouTube, Spotify etc. and also having the contact information of the users, it is essential to have a secure database.
- Humans are error-prone thus any updation, deletion commands should be verified with the user to ensure the true intent of those commands.

5.3 Security Requirements

- System will use a secured database.
- Non Profile users should not be able to see the contact information of any profile user.

- The system has 3 types of users with different sets of functions that they can perform, which will be restricted to the type of user.
- Different users have differentiated access and functional constraints.
- Proper user authentication and password recovery route (in case of a forgotten password) should be elaborated and constructed.
- Any update carried out on the databases should be done by logged in profiles.

5.4 Software Quality Attributes

- Availability: The software should be available at the expected and specified date.
- Correctness: The matching algorithm should be able to provide expected results and collected data should help to improve the algorithm overtime.
- Maintainability: The software should be easy to maintain and should require minimum intervention.
- Usability: The software should be able to be easily usable and the ease of usability should be given more importance than the ease of learning.
- Flexibility: The software should showcase flexibility.
- Robustness: It should be able to cope with erroneous inputs.

Usability and robustness are the top priority while construction.

6. Other Requirements

TBD

Appendix A: Glossary

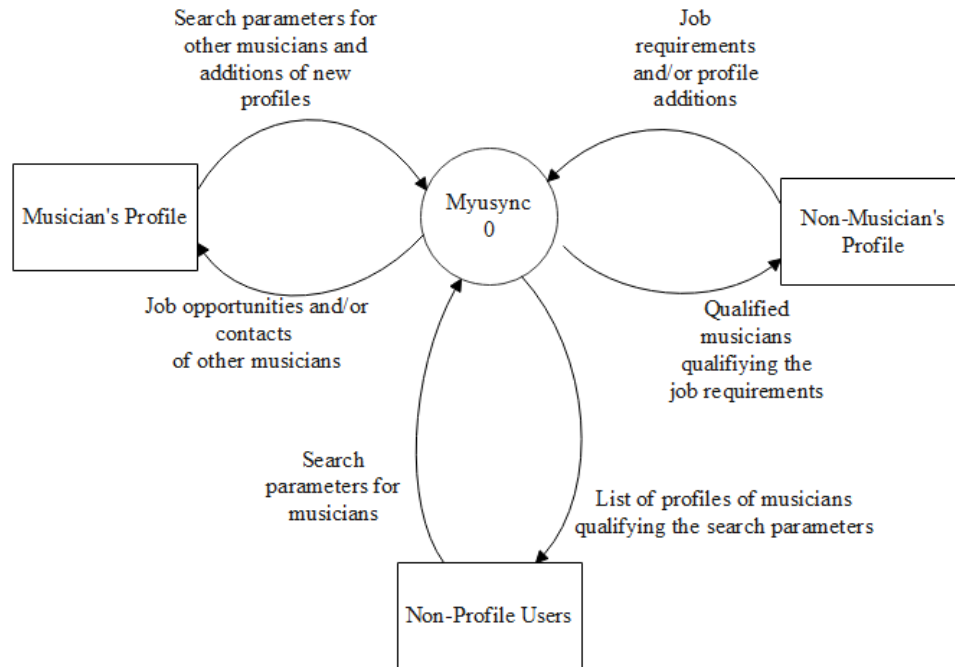
| TERM | DEFINITION |
|---------|-------------------------------|
| Website | A place on the world wide web |
| TBD | To be decided |
| HTML | Hypertext Markup Language |

| | |
|-----|-------------------------------------|
| CSS | Cascading Style Sheets |
| TLS | Transport Layer Security |
| SRS | Software Requirements Specification |
| REQ | Requirements |

Appendix B: Analysis Models

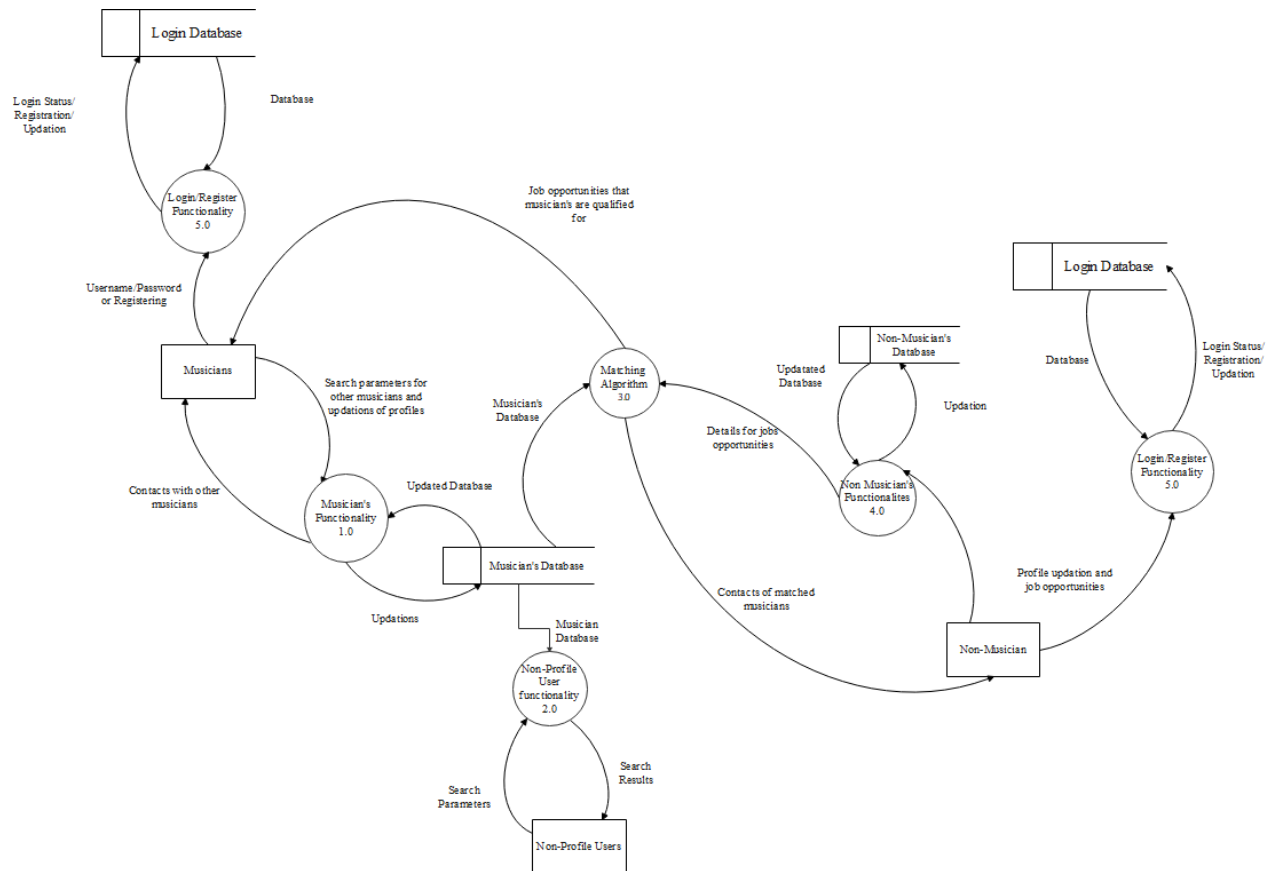
B.1 Data Flow Diagrams

B.1.1 Level 0:



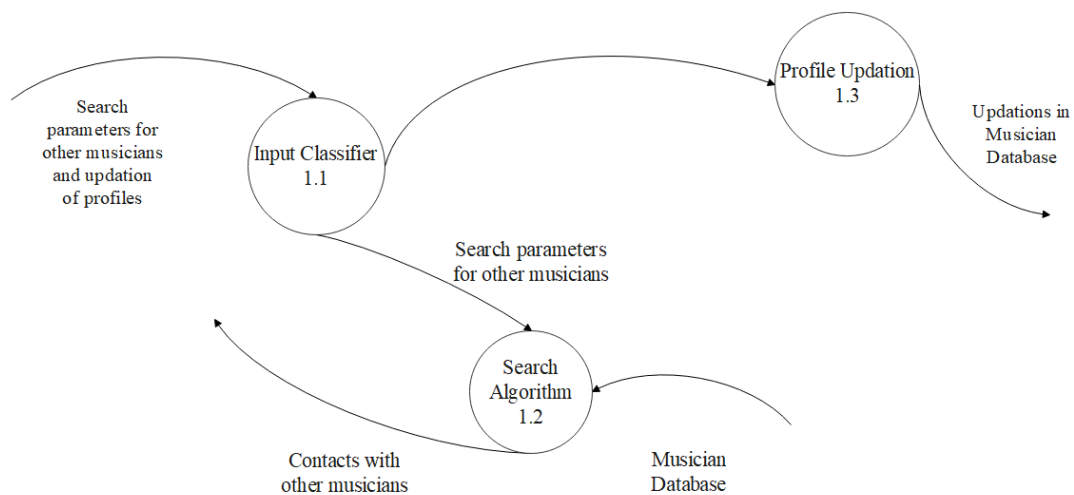
P.T.O

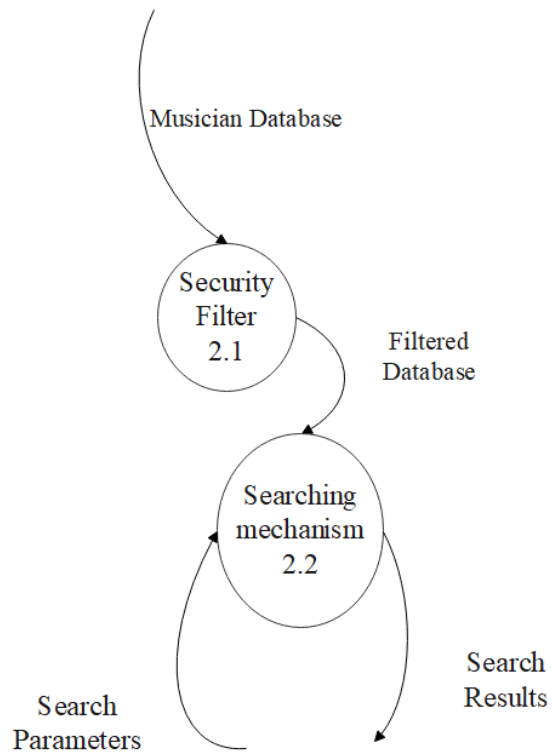
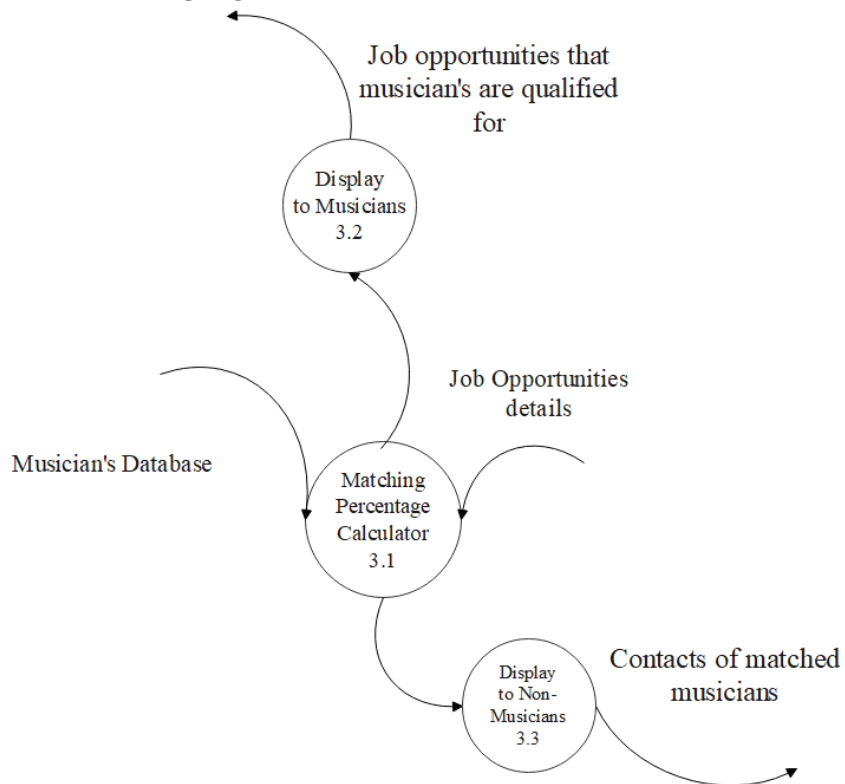
B.1.2 Level 1:



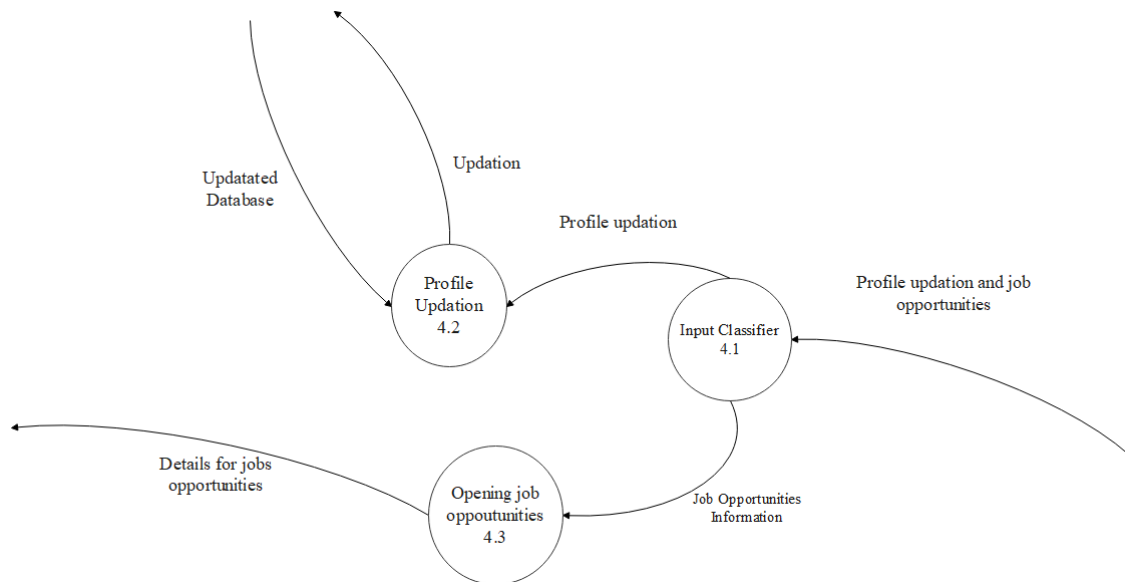
B.1.3 Level 2:

B.1.3.1 Musician's Functionality

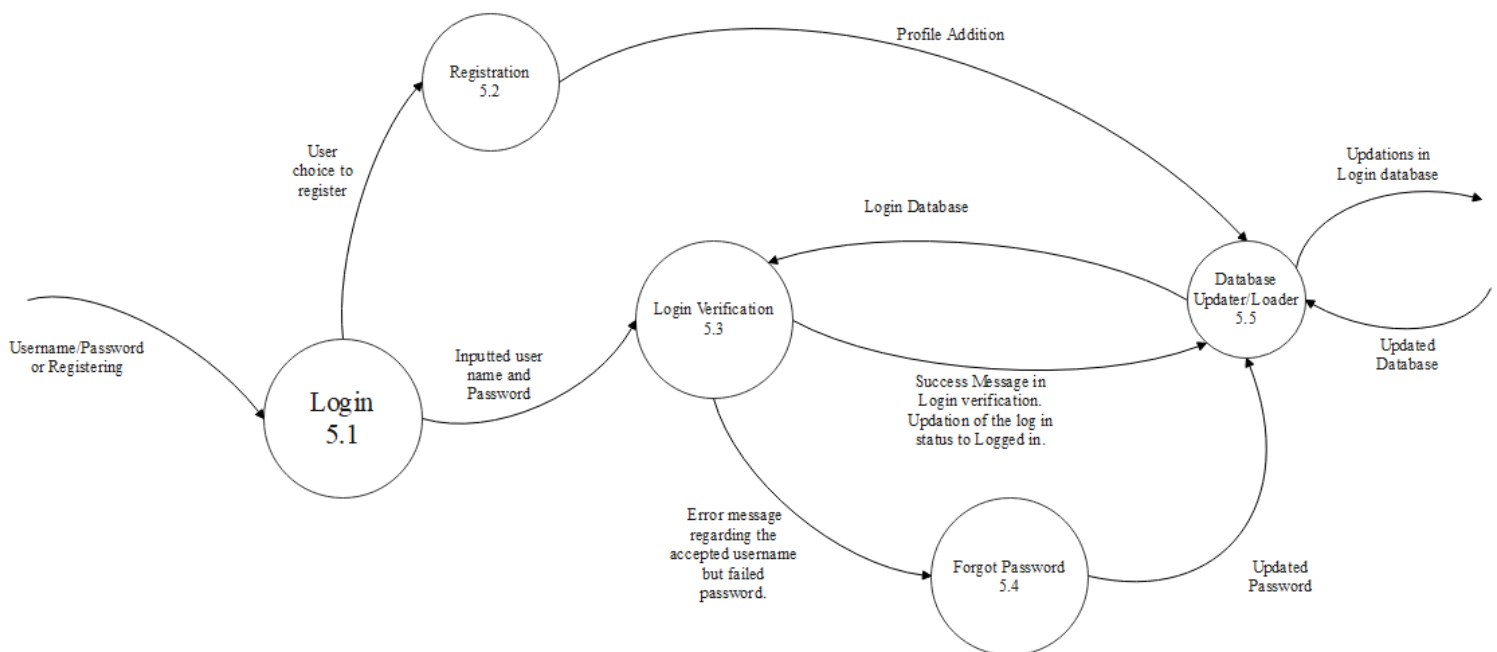


B.1.3.2 Non-Profile User's Functionality**B.1.3.3 Matching Algorithm**

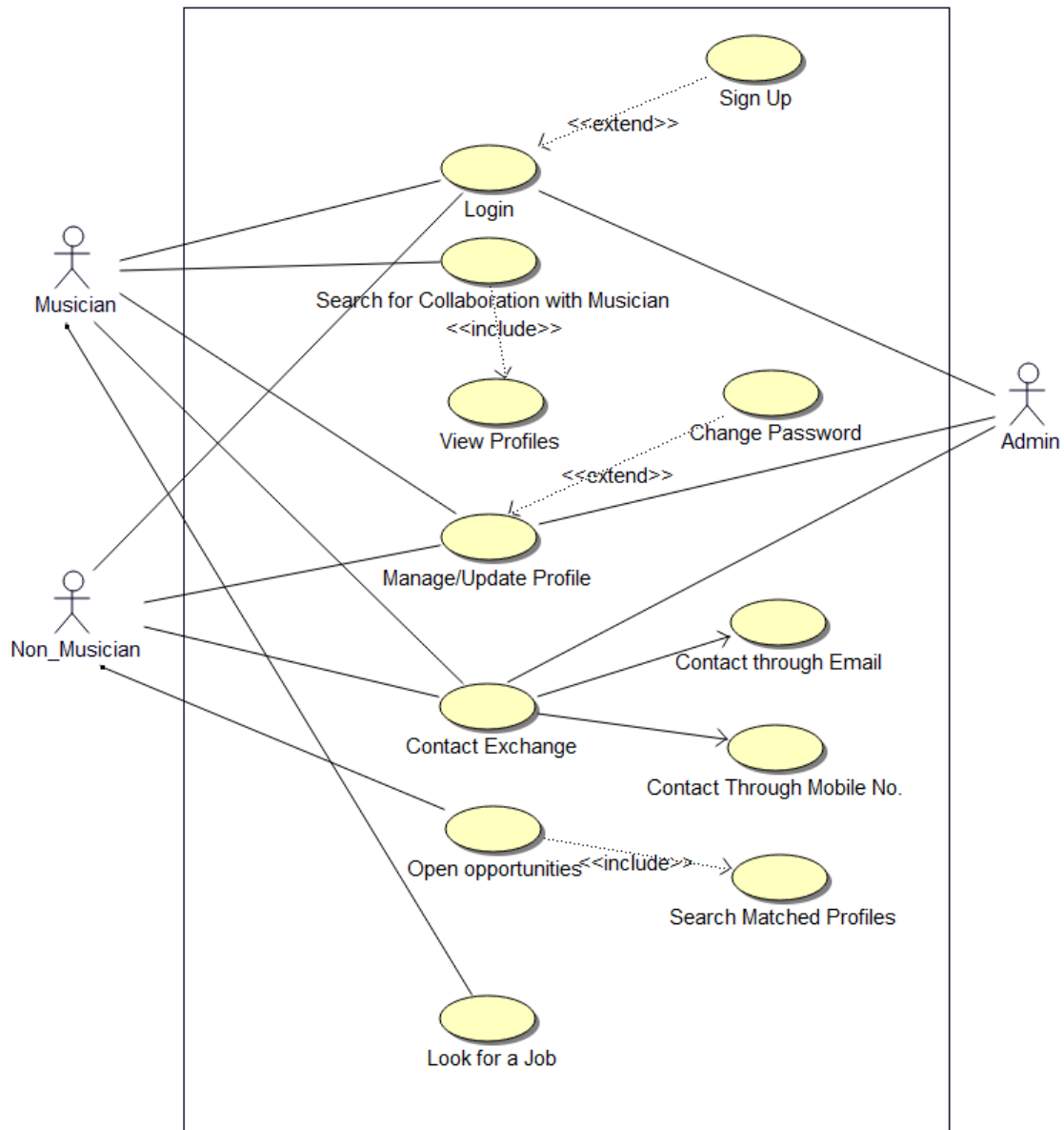
B.1.3.4 Non-Musician's Functionality



B.1.3.5 Login/Registration Functionality



B.2 Use Case Diagram



Appendix C: Issues List

Two subsections in the SRS, namely, Design and Implementation Constraints (2.5) and User Documentation (2.6) are areas we need to work upon, which will be clearer as we are able to design the website to some extent. Hence these are to be decided later.