## Project Management Activities

**Software Development Model**

Concurrent Development is used as software development process. During this process model the entire team member went through planning and analysis phase. After that Lyon and Nantes were divided into sub team. The design and implementation phase is divided into two major subprojects for deliverable 1 including use cases/use case diagram and ER diagram. The Lyon and Nantes team worked on two subprojects respectively. These major subprojects are integrated at the end after their completion.

**Communication and Team Meetings**

Regular team meetings with a predefined agenda were conducted every week between Lyon and Nantes team in order to discuss the progress of the work being done. A critical analysis of the work and any possible problems are openly discussed. Any team conflicts are also resolved during the meeting. Any confusion and questions on the provided requirements documents were discussed on the course forum and also emailed directly to professor and tutor in order to clarify the requirement and expectation from of the project.

[**Software Configuration Management**](http://en.wikipedia.org/wiki/Software_configuration_management)

“Github” is being used as collaborative version control system in order to share all the documents in order to have consistency and handling of different version by team members distributed across two sites.

**Work Partitioning and Assignment**

Deliverable 1 was divided into well defined chunks in order and assign to one of the two teams to work on it while the other team providing support to the first team. Tasks are assigned during meeting session with consensus keeping in view the domain expertise of the team member.

**Online Collaborative Environment**

“Zoho” is being used as project management online portal site in order to assign tasks, achieving milestones, monitor project progress, team meetings and forum for discussion within the team.

**Issue Solving**

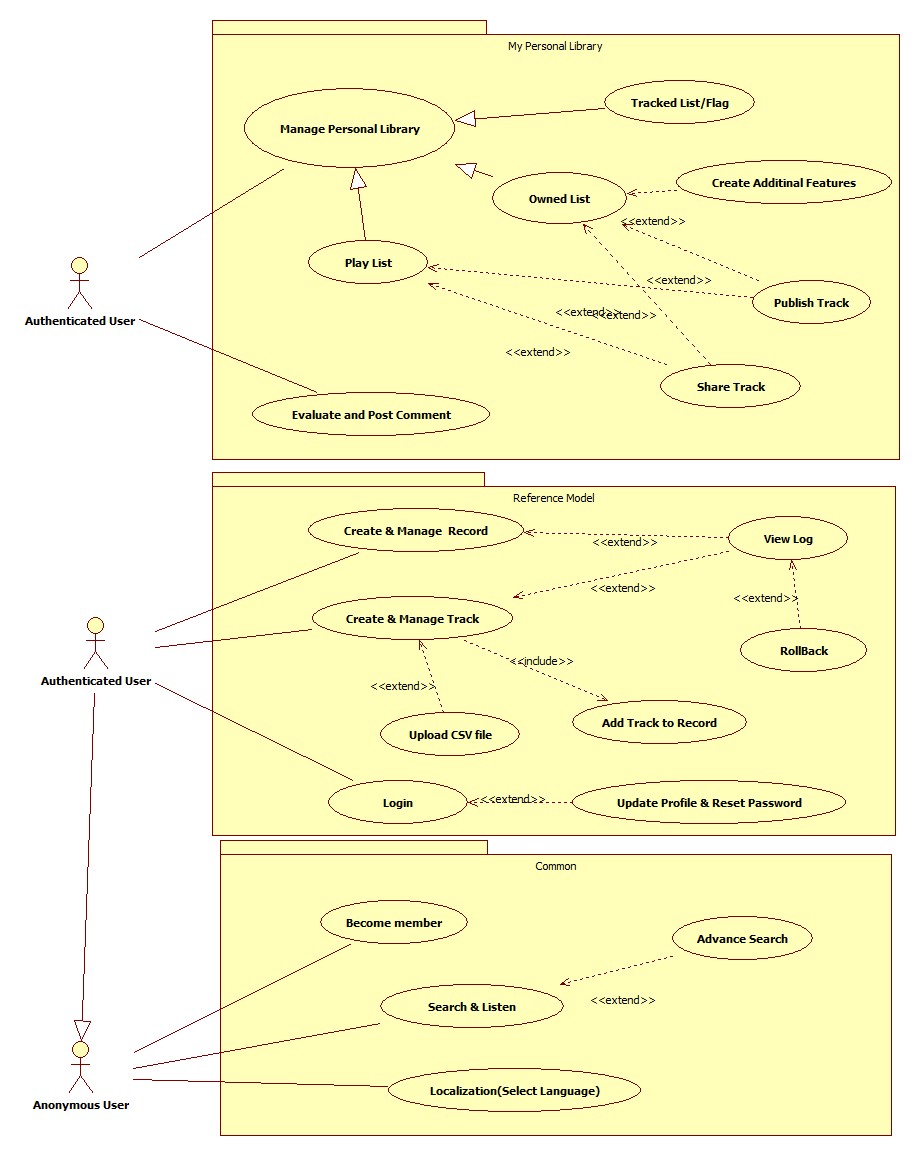
Any problematic issues related to any part were presented on the discussion form to get input from each and every member of the team for better understanding and solving the problem in the best possible manner avoiding the team conflicts.

**Progress of each assigned Task**

During each meeting the progress of each task was reviewed according to the deadline as specified by Gantt chart.

**Gantt Chart**

**Use Case Diagram**

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**Use Case Description**

**List of Use Case**

In this project we have … main use cases, which can be listed as follows;

* Owned List
* Play List
* Tracked List/Flag
* Evaluate and Post Comment
* Create & Manage Records
* Create & Manage Tracks
* View Log
* Log in
* Become member
* Search & Listen

Each use case is explained by below description.

**Manage My Personal Library**

**1. Owned List**

1. **Brief Description**

This use case allows the authenticated user to manage his/her Owned list.

The actor of this use case is authenticated user.

**2. Flow of Events**

The use case begins when the authenticated user selects the "My Personal Library" activity and goes to my owned list.

**2.1 Basic Flow – Play**

* 1. The authenticated user selects “My Personal Library”
  2. The system displays a list of music tracks or user can search music tracks.
  3. The authenticated user selects music from the lists to the playlist, owned list or Track list.
  4. Select “Play” button to listen.

**2.2 Alternative Flows**

**2.2.1 Add track to owned lists**

1. The authenticated user search tracks in “My Personal Library” page.

2. The system displays a list of tracks with their Title, Artist, Record, Style and Rhythm.

3. The authenticated user select music from the displayed list then select ”Add To owned list” button.

**2.2.2 Create new tracks to my owned list**

1. In my owned list page, the authenticated user selects “New”.

2. System leads to New owned tracks page. Authenticated user gives information about this new owned track and clicks “Add to my owned list”.

3. System adds new track to my owned list

**2.2.3 View tracks in my owned list**

1. In my owned list page, the authenticated user selects “View/Edit” to go to View/Edit owned track page.

2. Authenticated user can view the owned tracks detail.

**2.2.4 Edit tracks in my owned list**

1. In my owned list page, the authenticated user selects “View/Edit” to go to View/Edit owned track page.

2. Authenticated user can edit the owned tracks detail.

**2.2.5 Share tracks from my owned list**

1. In my owned list page, the authenticated user selects “Share” on the track he wants to share.

2. System shares the track.

**2.2.6 Remove tracks from my owned list**

1. In my owned list page, the authenticated user selects “Remove” on the track he wants to remove.

2. System removes the track.

**3.    Special Requirements**

There are no special requirements associated with this use case.

**4.**  **Preconditions**

**Log In -** Before this use case begins the authenticated user has logged onto the system.

**5.    Extensions**

Add new field to my owned list

1. The authenticated user selects “My Owned List” to go to my owned list page.

2. Authenticated user selects add new field.

3. Then he/she can enter Field Caption and, if necessary, add description.

Publish owned list

Share owned list

1. The authenticated user selects playlist from owned list page

2. Then select share link to chosen usernames

3. Then select user names to share with the owned list

**6.    Post conditions**

There are no post conditions for this use case.

**2. Play List**

1. **Brief Description**

In this use case, user defines Playlist based on Reference model. The actors of this use case are authenticated user.

**2.   Flow of Events**

The use case begins when the user selects Playlist from My Personal Library view.

**2.1    Basic Flow – Add Playlist**

* 1. The user selects “New” from playlist page.
  2. User enter desired Name for Playlist, privacy and description if it’s necessary
  3. Then select ‘Create’ or ‘Cancel’ to not to create.
  4. **Alternative Flows**

**2.2.1 View playlist**

* + 1. User selects “View/Edit Playlist” from playlist page.
    2. The authenticated user enter the name of playlist and the system shows all his/her “Play lists”

**2.2.2 Delete tracks from playlist**

* + 1. User selects “Remove” from playlist page.
    2. The system removes the track from playlist.

**2.2.3. Edit Playlists**

1. User can change the Name of Playlist and also select tracks from the track list to Playlist

2. User selects “Update” and system saves Playlist.

**3.   Special Requirements**

User can create Play list from Reference Model.

**4.**  **Preconditions**

User must log-in to system.

**5. Extension**

Publish owned list

Share owned list

1. The authenticated user selects playlist from owned list page

2. Then select share link to chosen usernames

3. Then select user names to share with the owned list

**6.    Post conditions**

There are no any Post conditions associated with this use case.

**3. Tracked List/Flag**

1. **Brief Description**

In this use case, user defines the track as a tracked list. The actors of this use case are authenticated user.

**2.   Flow of Events**

The use case begins when the user selects My Tracked List from My Personal Library view.

**2.1    Basic Flow – Add Tracked list**

* 1. In My Personal Library, user search track.
  2. User enter select Add To Track List button.
  3. System adds the track to Tracked List.
  4. **Alternative Flows**

**2.2.1 View Tracked List**

* + 1. In My Personal Library page, user selects My Personal Library.
    2. System displays Tracked List

**2.2.2. Remove tracks from Tracked list**

* + 1. User selects “Remove” from My Tracked list page on the track he/she wants to remove.
    2. The system removes the track from Tracked list.

**2.2.3. Upgrade to Owned List**

* + 1. User selects “Add To Owned List” from My Tracked list page on the track he/she wants to upgrade.
    2. The system upgrades that track to Owned list.

**3.   Special Requirements**

User can create Play list from Reference Model.

**4.**  **Preconditions**

User must log-in to system.

**5. Extensions**

There are no any extensions associated with this use case.

**6.    Post conditions**

There are no any Post conditions associated with this use case.

**Evaluate and Post Comment**

1. **Brief Description**

This use case allows the authenticated user to give a comment and evaluation to each track.

The actor of this use case includes the authenticated user.

**2.   Flow of Events**

The use case begins when the actor selects Comment and Evaluate from My Personal Library.

**2.1 Basic Flow – Comment**

* 1. In the Comment and Evaluate page, user can write the comment in the Your Comment field.
  2. The user selects Submit button
  3. System displays the comment on the screen.

**2.2 Alternative Flow – Evaluate**

* 1. In the Comment and Evaluate page, user can rate the track by giving stars ranging from 1-star to 5-star.
  2. System displays the evaluated rate on the Overall Rate column on the track table.

**3.    Special Requirements**

There are no special requirements associated with this use case.

**4.**  **Preconditions**

The user must log in before giving a comment or evaluation.

**5.    Extensions**

There are no extensions associated with this use case.

**6.    Post conditions**

There are no Post conditions associated with this use case.

**Create & Manage Records**

1. **Brief Description**

This use case allows the authenticated user to create and manage records, which is a collection of tracks. This use case has functionality to create new records, search tracks from created records, assign tracks on created records, view and edit records are included in this use case.

The actors of this use case are the authenticated users.

**2****.  Flow of Events**

The use case begins when the authenticated user selects ‘Reference Database’ to go to the record interface from the Reference database interface, then select the record from reference data base interface and then reach to record interface. From record interface the authenticated user selects ‘New’ to create new record or ‘Assign track’ to assign new track or ‘View/Edit’ to modify the record.

**2.1 Basic Flow – Create**

* 1. The authenticated user selects "New" button from record interface
  2. The authenticated user inputs in the empty field of ‘Title’, ‘Artist’, ‘Producer’, ‘Matrix Number’, ‘Press info’ and select about it’s type of record from the radio button whether it’s ‘LP’ or ‘Double LP’ or ‘EP’ or ‘Double EP’ or ‘Maxi Single’ or ‘Single’ record.
  3. Select “Add” and the record is created.
  4. **Alternative Flows – Manage**

**2.2.1 Assign tracks to list of records**

1. In the List of record page, the authenticated user selects “Assign Tracks” from the music they want to put into this record.

2. On the search and assign track interface page, the authenticated user inputs in the empty field ‘Title’, ‘Artist’,’Lable’,’Rhythm’ and ‘Style’ then select ‘Search Track’ button. Then when the track list display he/she selects ‘Assign Track’.

3. Then system adds that track into the record.

**2.2.2 View record from list of records**

1. In the record page, the authenticated user selects “View” from the music they want to view. This will lead to Record info page.

2. The system display record features.

**2.2.3 Edit record information**

1. In the List of records page, the authenticated user selects “Edit” from the music they want to edit.

2. The system display latest update record features and the authenticated user can edit them.

3. After editing, they need to select “Save” and the system saves the updated record features and the system also saves the old data as a log.

**2.2.4 Remove record from list of records**

1. In the List of records page, the authenticated user selects “Remove” from the music they want to delete.

2. The system deletes that track.

**3.** **Special Requirements**

There are no special requirements associated with this use case.

**4.**  **Preconditions**

**Log In -** Before this use case begins the authenticated user or the administrator has to log onto the system.

**5.**  **Extensions**

View Log

**6.    Post conditions**

There is no post conditions associated with this use case.

**Create & Manage Tracks**

1. **Brief Description**

This use case allows the authenticated user to create and manage track. The track can be added more features after it is created, edited its features or removed.

The actors of this use case are the authenticated user.

**2.    Flow of Events**

The use case begins when the authenticated user selects the "Search" activity from the Home page. They can select “new” activity to create the track and “edit/view”, “delete” activity in the track page to manage it.

**2.1 Basic Flow – Create**

* 1. The authenticated user selects "New" in the track page.
  2. The authenticated user selects path of music file and enters Title, Artist and Browse a Track. Then they select “Add to Record” to create a new track.
  3. Select “Other features”, if they need to add more features to the track
  4. In Other features page, they can input Artist, Rhythm, Original Version, Label, Playing Time, Release Date and Style. Then they select “Save” to save the features of the new track.
  5. The track is uploaded and the system records the track information.
  6. **Alternative Flows – Manage**

**2.2.1 View track from list of track**

1. In the track page, the authenticated user selects “edit/view” from the music they want to view.

2. The system displays track features.

**2.2.2 Edit track information**

1. In the track page, the authenticated user selects “edit/view” from the music they want to edit. This will lead to View/Edit Track page.

2. The system displays lasted update track features and the authenticated user can edit them.

3. After editing, they need to select “Update” and the system save the updated features and the system also saves the old data as a log.

**2.2.3 Remove track from list of track**

1. In the track page, the authenticated user selects “remove” from the music they want to delete.

2. The system removes that track.

**3.    Special Requirements**

There are no special requirements associated with this use case.

**4.**  **Preconditions**

**Log In -** Before this use case begins the authenticated user or the administrator has to log onto the system.

**5.**  **Extensions**

View Log

Upload CSV file

1. In the side bar named “Reference database”. User clicks “Upload CSV file”

2. System links to Upload CSV file page and user choose CSV files from his/her directory to upload.

**6.**  **Include**

Add Track to Record

**7.    Post conditions**

There are no Post conditions associated with this use case.

**View Log**

1. **Brief Description**

As system keeps all creation and update transaction on reference model, user can view and rollback based on this use case.

The actors of this use case are authenticated user.

**2.   Flow of Events**

The use case begins when the user selects view Log in View/Edit Track and View/Edit Record page.

**2.1 Basic Flow – View Log (History)**

The user selects “View Log” from the Track or Record. It will lead the user to View Track Log page or View Record Log page

* 1. User can search date boundary to view logs.
  2. System brings all logs in two categories, first category bases on “Records” in View Record Log page and second one bases on “Tracks” in View Track Log page. The system shows logs for every changed records/Tracks which happened in selected dates. If there is no selected date, system will bring logs information for 2 weeks before.
  3. User can select the log row for the records of tracks which wants to see the detail information.
  4. System shows the detail information about selected row.

**2.2 Alternative Flows**

**2.2.1 Show Differences**

* + 1. User select “Show differences” at the row which user wants to see the differences.
    2. System leads to Show Differences page. In this page, user can see details of changes, including Instance, Date, Changed field, Previous value, New value and User Name.

**3.   Special Requirements**

System must keep all created and updated logs on Reference Model (Tracks and Records).

**4.**  **Preconditions**

User must log-in to system.

**5.    Extensions**

**Rollback**

* + 1. User select “Rollback” at the row which user wants to Rollback to .
    2. System shows “After Rollback, you will lose information after selected logs” alert to user.
    3. If user selects “Yes”, system will rollback selected record/track.
    4. If user selects “No”, system will not concern rollback process. And return to logs view.

**6.    Post conditions**

There are no Post conditions associated with this use case.

**Log in**

1. **Brief Description**

This use case explains how use can login to the system and also how can register user as an Authenticated user.

**2.    Flow of Events**

The use case begins when the user selects the log in in first page after he put web-site URL in explorer.

**2.1 Basic Flow – log in**

* 1. The user selects “log-in” and system ask him/her user name and password.
  2. User enters User name and Password and selects “Log in”.
  3. System checks the user and password and if everything are correct , system retrieve “personal view” of related username
  4. System shows related “Personal View”
  5. **Alternative Flows**

**2.2.1 Update profile**

1. User goes to “Profile” from main menu bar.

2. System displays latest data on the Profile page. User can update his/her information in the fields and upload profile picture.

3. User selects OK to confirm his/her update and system saves updated information.

**2.2.2 Forget password**

1. If user has user name but he/she doesn’t remember the password. He/she must click on “Forget User Name or Password” option on Login form.

2. System shows “forget Password” form and asks user name and email address.

3. User enters user name and email address and selects “ok”.

4. System verifies the user name and email address and if it finds proper information, it will send password to user by email and show “the password has been sent to your email” message to user.

4.1. If system could not find any information based on entered data, system shows ”Sorry, there is no any user name based on entered data” to user.

**2.2.3 Reset password**

1. User goes to “Reset Password” from Profile.

2. User inputs empty field of Old Password, New Password and Retype Password. Then press “OK”.

3. System checks whether all fields are entered and whether New Password and Retype Password are the same.

4. System changes the password.

**3.   Special Requirements**

There are no special requirements associated with this use case.

**4. Preconditions**

There are no special requirements associated with this use case.

**5.** **Post conditions**

After log-in, user will have personal view and also have authorization as a “Authenticated user”

**Become member**

1. **Brief Description**

This use case explains how use can sign up to the system.

1. **Flow of Events**

The use case begins when the user selects Become member in the first page after he put web-site URL in explorer.

**2.1 Basic Flows** – become member

**2.2.1 User doesn’t have User Name.”New User”**

1. User selects “Become member” from the homepage to define user name.

2. System shows “User definition Form”.

3. User follows the Form and desired “user name”.

4. System check “user name” to be not redundant.

4.1. If user name was existed, system shows “this username was existed, please change the user name or try to find your user name by “forget password” section.

4.2. If user name was not existed, system shows “acceptable user name “message in green.

5. User follows entering data and fulfills the mandatory fields and selects “Submit”

6. System checks existence of mandatory information and create user name and determine user as an authenticated user.

7. System sends confirmation email based on address which mentioned in user account.

**3.   Special Requirements**

There are no special requirements associated with this use case.

**4.**  **Preconditions**

There are no special requirements associated with this use case.

**5.    Post conditions**

After log-in, user will have personal view and also have authorization as a “Authenticated user”

**Search/Listen**

1. **Brief Description**

This use case allows the anonymous user and the authenticated user to use full-text search over reference database and personal libraries. They have multi-criteria search and filter facility and they can switch from Records View, Detail View or Track View.

The actor of this use case includes the anonymous user and authenticated user.

**2.    Flow of Events**

The use case begins when the actor enter texts into the search input. Search input facility can find anywhere in the webpage.

**2.1 Basic Flow – Search**

* 1. The actor enters texts into the search input.
  2. The result will be shown in the result table. The default view of the result is Track view.
  3. The actor can listen to the searched music directly.

**2.2 Basic Flow – Switch view**

* + - 1. The search result can be switched the view between Records View, Detail View or Track View.

**3.    Special Requirements**

There are no special requirements associated with this use case.

**4.**  **Preconditions**

There are no preconditions associated with this use case.

**5.    Extensions**

**Advanced search**

**1. Advanced search – multi-criteria search**

The user can tick the boxes for multi-criteria search.

**2.  Advanced search - filter**

After the search, the actor can filter the result.

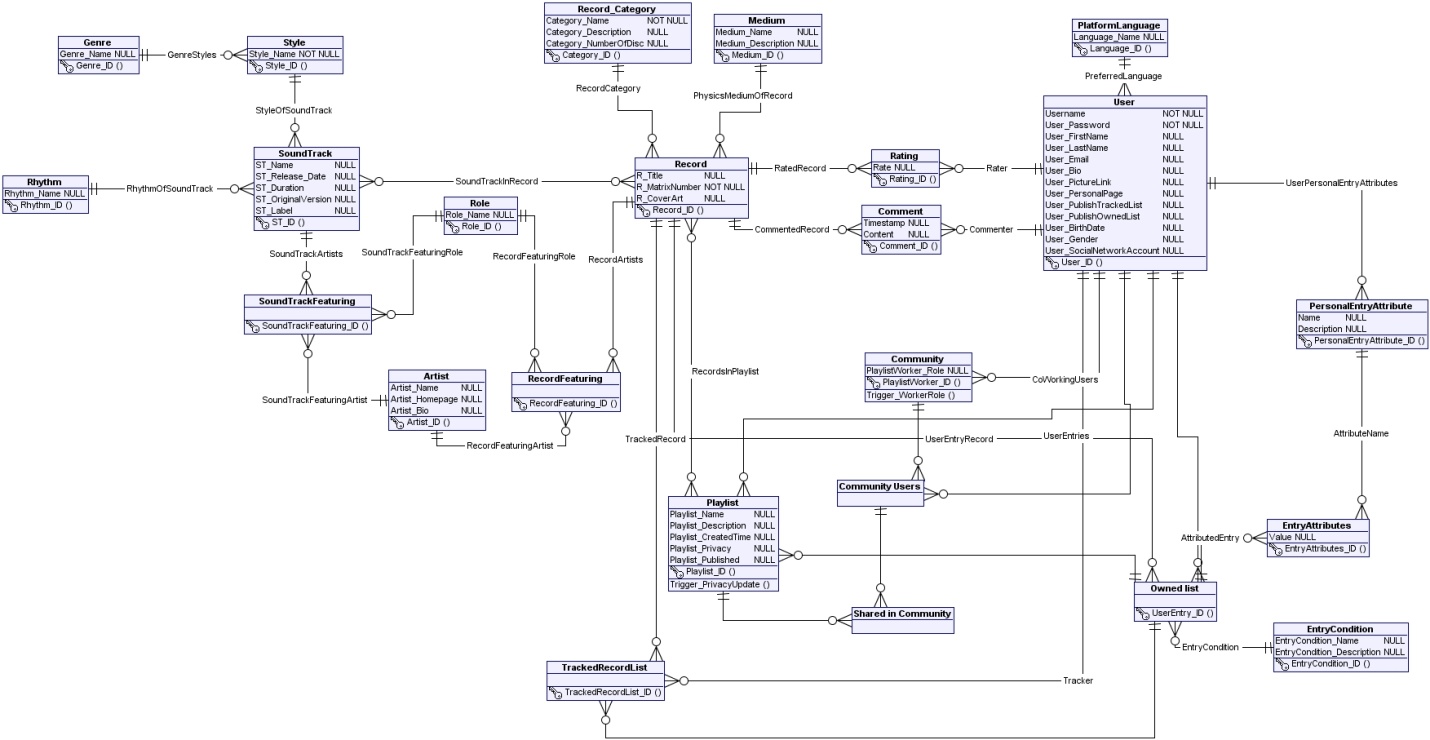
**3.  Advanced search - sorting**

After the search, the actor can sort the result.

**6.    Post conditions**

There are no Post conditions associated with this use case.

**Entity-Relationship Diagram**

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**Entity-Relationship Diagram Description**

**Wireframe**

