

# Online Music Store

## (Revamped for vILP)

### Table of Contents

1. Introduction.....	2
2. Purpose.....	2
3. Background.....	2
3.1 Resource Management.....	3
3.2 Customer Relationship Management.....	4
3.3 Order Management.....	5
3.4 Assumptions.....	5
3.5 Change Requests.....	6

## ***1. Introduction***

In today's busy life, human beings are very much stressed due to hectic schedules, lot of workload and less time for entertainment . Music is the first point to relax and let your worries go off your mind.

MyTunes is an online music store web application. MyTunes proposes to give customers a complete online music shopping experience. The design of MyTunes will be based on e-commerce principles.

Some key benefits that MyTunes offers are:

1. The ability to browse through variety of music online.
2. The ability to play a sample song before purchasing.
3. The ability to purchase music online.
4. Free Home Delivery.

MyTunes will maintain online as well as physical store to cater to customers needs. The customers can download music online as well as request for home delivery.

MyTunes will have a very large database of copyrighted music. The customer can play sample music and purchase music online. The customer will need to register themselves in order to play sample music and purchase music online. The customer has an option to listen to the first 30 seconds of the song prior to purchase. There is no cost associated with sampling. Once registered, customers can surf, add music items to the cart and purchase music online. For online payments customers will need to provide their credit card details. These details will be handled in a secure environment and will be used for order processing. The customer can also avail home delivery option, where the music item will be delivered to the customer's shipping address with no delivery charges. The customer will have to first pay for the order, once the payment is successful then the customer can either download music or home delivery would be processed. The customer can search for music by title, genre, artiste or album, language.

## ***2. Purpose***

The purpose of this document is to outline the functional requirement that will enable design and development of Online Music Store.

## ***3. Background***

The customer can purchase a music item and then either download or opt for home delivery. The home delivery items are managed by physical stores and downloadable items are managed using online store.

MyTunes includes three major modules, each module has a different functionality. It is driven by roles i.e., India Administrator, City Administrators, Market Research Managers, Store Managers and Customers. The responsibilities of these users are explained later.

MyTunes can be categorized into three modules:

1. Resource Management
2. Inventory Management
3. Customer Relationship Management

For performing any of the above mentioned operations, appropriate login is required by the user. Hence all modules should have the feature to login and validate the credentials.

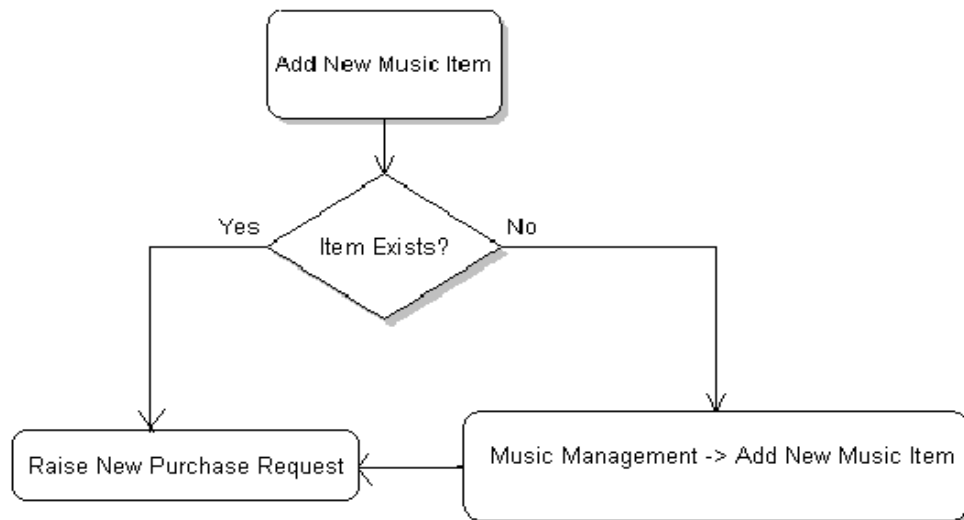
For each city there is one City Administrator and one Market Research Manager. There can be many stores in the same city. Each store has one Store Manager.

### **3.1 Resource Management**

In this module, The Market Research Manager has complete control as to what is being sold on the online

Music Store. The MRM will employ different methods to find current market trends and accordingly decide which product should be put up on the store. MRM will add or discontinue music items from the store. He will perform CRUD operations on Music items.

When Market Research Manager decides to add a new music item to the online store, he will follow the below work flow:



This module will allow the Market Research Manager to perform CRUD operations on Music items. The following details should be captured for new music registration:

- Title
- Artiste
- Music Director
- Language (Hindi/English etc.)
- Type (Audio, Video)
- Genre
- Availability (Online [Can be downloaded], In Stock [Free Home Delivery])
- if Home delivery then the list of stores where the music item is available.
- If Download then Upload Music option should be provided.
- Format (Tape, CD, DVD)
- Online Price
- Discount if any
- Cover Image
- Track Listing
- Other Specifications
- Awards if any

- Sample Contents Upload

## **3.2 Customer Relationship Management**

This module will enable customers to register themselves with the online music store.

The following details should be captured for a customer registration:

- First Name
- Last Name
- Gender
- Date of Birth (dd-mm-yyyy format)
- Email Address
- Mobile Number
- Mailing Address
- Two check boxes with following details:
  1. Please send me weekly newsletters & promotional offers
  2. Please send me offers to my mobile phone

Customer can view and update his profile after login.

Apart from registration link for customers, there will be 'Sign In' link with the following details:

- User Id
- Password
- Forgot Password Hyper link

Notice that customer can browse the music store without login, but whenever the customer wants to order / download the music, customer has to login to proceed further.

## **3.3 Order Management**

Order Management Module is all about managing the music ordered by Customers. Customer has to sign in before placing an order in to the system. Once successful login, the customer has to

browse/search the music from OMS portal . While placing an order below are the details which needs to be captured by the system.

- Music Id
- Album Name
- Artist Name
- Store Id
- Store Name
- Customer Id
- Customer Name
- Quantity
- Order Date
- Payment Type(Prepaid for Credit Card/Postpaid for COD)
- Delivery Type(Download/Home Delivery)
- LSP\_Name(BlueDart/FirstFlight/Fedex)
- AWB\_Number(Air Way Bill Number)
- Order\_Status(Dispatched/Delivered/Completed/Cancelled)

Once the order is dispatched from the Store the status should be updated to dispatched/once delivered the status should be updated to delivered/Two days after Delivery the order status should be updated to Completed. If a customer chose to cancel the order the status should be updated to Cancelled.

### **3.4 Assumptions**

1. MRM/SM/Administrators(India) are already registered into the system.
2. All the stores are already added in to the system
3. The system will allow browsing of all the music items stored in the database for all the cities
4. There will be only 1 India Administrator. India Administrator entry can be hardcoded in user table. No need to register India Administrator

### 3.5 Change Requests

Once the Maintenance period commences, the maintenance team can concentrate on all of the following Change Requests :-

1. Implement the existing data layer to Hibernate data layer for the Customer Relationship Mgmt module.
2. Implement the present functionality of the Inventory Mgmt in Struts2.
3. Apply Spring JDBC template to create following reports.
  - Display the report where the SM can see the list of Purchase Request have an initial status of "Pending Purchase"
  - Prepare a daily report to display the list of customers bought music online(download + physical delivery both)
  - Display the Report to show no of users who has registered but have not purchased anything from the site. Ideally to find out dummy or inactive registered users