

Super Media Player  
Data Definitions

### Introduction:

This document supplements the use cases with information about the data and its attributes (length, type: alpha/numeric, etc). This is a logical description, not a physical one. That is, no consideration is given to database tables, normalization, or related design topics. Organize the data requirements by use case, and within each use case, organize the data elements alphabetically. If the same field name appears in more than one use case, specify the field name only, then reference the use case where the data detail can be found.

Enough detail must be provided so that 1) stakeholders can validate the requirements, 2) developers have sufficient detail to foster further analysis and design and 3) testers have enough information to write detailed test cases. Like use cases, this document will be developed iteratively

### Legend:

- Field Name: Name of the field – must be a logical name that has a meaning to a stakeholder, i.e. not a physical database field name.
- Description: Field description – in user terms.
- Len: The length of the field. Applies to String fields only.
  - If there is a min/max. length, specify it as an x:y pair, where x is the min. length and y is the max. Example: 1:50.
  - By default, the system will present message 2 if the field length is invalid. See Message document for details.
- Type: The logical data type, i.e. Number, String.  
***Remember, this document describes data at a logical, as opposed to a physical level. That is, do not describe the data in its physical characteristic, i.e. char, long, double, etc.***
- Required Indicates if the field is required.
- Valid Values: Use this column if there is a fixed set of values, such as colors of the rainbow, etc. Include how the list is to be ordered and the selection criteria (single select, multi-select, etc.).
- Edits: Describes how the field is going to be validated. Use structured English. Example:

```
If Date < Current Date
    Present Message 88
End If

OR

If Date < Current Date
    Present Message 88
Else If Date = Current Date
    Present Message 89
Else
    Present Message 90
End If
```

UC01 - Play Music:

Field Name	Description	Type	Req.?	Valid Values	Edits / Notes
Selection Criteria	A system generated list of the Customer's song selection criteria	String	Y	By Genre By Artist By Song Title  Default is by Genre. Single select.	None
Genre	A system generated list of genres	List	Y	See Appendix A  Single select	Required only if the Customer selects by genre.
Song Title	The Customer's desired song	String, up to 30 characters in length	Y	N/A	If blank, present message 6  Required only if the Customer selects by Title
Artist	The Customer's desired artist	String, up to 30 characters in length	Y	N/A	If blank, present message 6  Required only if the Customer selects by Title
List of Song Descriptions	A list of song information provided by the Satellite Provider and presented by the system. Each entry in the list contains: - Artist - Song Title - Running Time	List	N/A	N/A	Default order is in ascending order by artist.
Song and Song Data	A package of information for each song. Provided by the Satellite Provider. Each entry in the list is to contain: - The song (in MP4 format) - Information about the song	List	N/A	N/A	None
Play Song Transaction	A system generated record of the play song transaction.	Record	N/A	N/A	See Appendix B.

## Appendix A – Genres

The list of genres and their descriptions are as follows:

<b>Genre</b>	<b>Description</b>
Big Band	Big Band / Swing/ 40's Hits
The 50's	50's Hits
The 60's	60's Hits
The 70's	70's Hits
The 80's	80's Hits
The 90's	90's Hits
America	Classic Country
Nashville	Contemporary Country
Bluegrass	Classic and Contemporary Bluegrass
Folk	Classic and contemporary folk
Easy Listening	Soft Hits – all decades
Broadway Hits	Show Tunes
Movie Hits	Movie Soundtracks
Hard Rock	Hard Rock – all decades
Love Songs	Love Songs – all decades
Classic Jazz	Classic Jazz – all decades
Contemporary Jazz	Modern Jazz
New Age	New Age
World Beat	Music from around the world
Salsa	Hot Salsa tunes
Blues	Blues
Classic Rock	Classic Rock – all decades

Appendix B – Details of Play Song Transaction

The song transaction is to contain the following information:

<b>Field Name</b>	<b>Description</b>	<b>Type</b>	<b>Edits / Notes</b>
Local date	Date transaction was started	Date	None
Local time	Time transaction was started	Time	None
Customer ID	Customer's account number	Account	None
Terminal location	The location of the unit	String	None
Unit ID	The unit ID	String	None
List of songs played	A list of songs that were played. Each entry in the list is to contain: <ul style="list-style-type: none"> <li>- Artist</li> <li>- Song Title</li> </ul>	List	None
Transaction Total	The transaction amount	Number	No decimal point, 2 decimal digits assumed.  Example: \$12.99 would be recorded as 1299