

# HarmonyHub

Database model documentation

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Database model: HarmonyHub, oracle

## 1. Model details

**Model name:**HarmonyHub

**Version:**2 . 4

**Database engine:**Oracle Database

## 2. Tables

### 2.1. Table User

#### 2.1.1. Columns

Column name	Type	Properties	Description
user_id	integer	PK	
username	varchar(50)		
email	varchar(50)		
password	varchar(50)		
registration_date	date		
type_id	number		
settings_id	integer		
user_favorite_artist	integer		
user_favorite_group	integer		

### 2.2. Table User profile

#### 2.2.1. Columns

Column name	Type	Properties	Description
profile_id	integer	PK	
name	varchar(50)		
surname	varchar(50)		
birth_date	date		
gender	varchar(50)		
country	varchar(50)		
user_id	integer		
avatar_id	integer		

## 2.3. Table Type User

### 2.3.1. Columns

Column name	Type	Properties	Description
type_id	integer	PK	
type_name	varchar(50)		

## 2.4. Table Theme

### 2.4.1. Columns

Column name	Type	Properties	Description
theme_id	integer	PK	
theme_name	varchar		

## 2.5. Table Personal Setting

### 2.5.1. Columns

Column name	Type	Properties	Description
settings_id	integer	PK	
theme_id	integer		
language_id	integer		
notification_preference	integer		

## 2.6. Table Color

### 2.6.1. Columns

Column name	Type	Properties	Description
color_id	integer	PK	
color_name	varchar		
hex_value	varchar		
rgb	varchar		

## 2.7. Table Front

### 2.7.1. Columns

Column name	Type	Properties	Description
front_id	integer	PK	
font_family	varchar		
font	blob		

## 2.8. Table Theme\_image\_Color\_Front

### 2.8.1. Columns

Column name	Type	Properties	Description
Theme_image_Color_Front_id	integer	PK	
theme_id	integer		
color_id	integer		
front_id	integer		
image_id	integer		

## 2.9. Table artist

### 2.9.1. Columns

Column name	Type	Properties	Description
artist_id	integer	PK	
name	varchar		
gender	varchar		
age	integer		
user_id	integer		

## 2.10. Table genre

### 2.10.1. Columns

Column name	Type	Properties	Description
genre_id	integer	PK	
genre_name	varchar		

## 2.11. Table artist\_genre

### 2.11.1. Columns

Column name	Type	Properties	Description
artist_genre_ad	integer	PK	
artist_id	integer		
genre_id	integer		

## 2.12. Table song

### 2.12.1. Columns

Column name	Type	Properties	Description
song_id	integer	PK	
name	varchar		
duration	varchar		
album_id	integer		
cover	integer		
artist_id	integer		
artist_name	varchar		
genre_id	integer		

## 2.13. Table albom

### 2.13.1. Columns



Column name	Type	Properties	Description
album_id	integer	PK	
title	varchar		
artist_id	integer		
release_date	date		
count_of_songs	integer		
song_id	integer		
cover	integer		

## 2.14. Table image

### 2.14.1. Columns

Column name	Type	Properties	Description
image_id	integer	PK	
image_type	varchar(25)		
image	blob		
image_size	varchar(25)		
image_ctgy	varchar(25)		
image_name	varchar(50)		
song_song_id	integer		

## 2.15. Table group

### 2.15.1. Columns

Column name	Type	Properties	Description
group_id	integer	PK	
name	varchar		
age	integer		
artist_id	integer		

song_id	integer		
logotype	integer		
user_id	integer		

## 2.16. Table group\_genre

### 2.16.1. Columns

Column name	Type	Properties	Description
group_genre_id	integer	PK	
group_id	integer		
genre_id	integer		

## 2.17. Table artist\_group\_membership

### 2.17.1. Columns

Column name	Type	Properties	Description
membership_id	integer	PK	
artist_id	integer		
group_id	integer		

## 2.18. Table artis\_review

### 2.18.1. Columns

Column name	Type	Properties	Description
review_id	integer	PK	
artist_id	integer		
user_id	integer		
rating	integer		
review_text	varchar		

## 2.19. Table user\_like\_song

### 2.19.1. Columns

Column name	Type	Properties	Description
like_id	integer	PK	
user_id	integer		
song_id	integer		

### 3. References

#### 3.1. Reference User profile\_User

User	1..1	User profile
	<->	user_id

#### 3.2. Reference User\_Type User

Type User	1..1	User
type_id	<->	type_id

#### 3.3. Reference User\_Personal Setting

Personal Setting	1..1	User
settings_id	<->	settings_id

#### 3.4. Reference Theme\_image\_Color\_Front\_Theme

Theme	1..*	Theme_image_Color_Front
theme_id	<->	theme_id

#### 3.5. Reference Theme\_image\_Color\_Front\_Color

Color	1..*	Theme_image_Color_Front
color_id	<->	color_id

#### 3.6. Reference Theme\_image\_Color\_Front\_Front

Front	1..*	Theme_image_Color_Front
front_id	<->	front_id

## 3.7. Reference Personal Setting\_Theme

Theme	1..1	Personal Setting
	<->	theme_id

## 3.8. Reference artist\_genre\_genre

genre	0..*	artist_genre
genre_id	<->	genre_id

## 3.9. Reference artist\_genre\_artist

artist	0..*	artist_genre
	<->	artist_id

## 3.10. Reference song\_albom

albom	0..*	song
albom_id	<->	
albom_id	<->	album_id

## 3.11. Reference Theme\_image\_Color\_Front\_image

image	1..*	Theme_image_Color_Front
image_id	<->	
image_id	<->	image_id

## 3.12. Reference User profile\_image

image	0..*	User profile
image_id	<->	avatar_id

### 3.13. Reference albom\_image

image	1..1	albom
image_id	<->	cover

### 3.14. Reference image\_song

song	0..*	image
song_id	<->	song_song_id

### 3.15. Reference artist\_albom

artist	0..*	albom
artist_id	<->	artist_id

### 3.16. Reference song\_artist

artist	0..*	song
artist_id	<->	artist_id

### 3.17. Reference group\_genre\_group

group	0..*	group_genre
group_id	<->	group_id

### 3.18. Reference group\_genre\_genre

genre	0..*	group_genre
genre_id	<->	
genre_id	<->	genre_id

### 3.19. Reference song\_genre

genre	0..*	song
genre_id	<->	
genre_id	<->	genre_id

### 3.20. Reference group\_song

song	0..*	group
song_id	<->	song_id

### 3.21. Reference artist\_group\_membership\_artist

artist	0..*	artist_group_membership
	<->	
	<->	artist_id

### 3.22. Reference group\_image

image	0..*	group
image_id	<->	

### 3.23. Reference artist\_group\_membership\_group

group	0..*	artist_group_membership
	<->	group_id

### 3.24. Reference group\_User

User	1..1	group
	<->	user_id

### 3.25. Reference artist\_User

User	0..*	artist
	<->	user_id

### 3.26. Reference artis\_review\_artist

artist	0..*	artis_review
artist_id	<->	artist_id

### 3.27. Reference artis\_review\_User

User	0..*	artis_review
user_id	<->	user_id

### 3.28. Reference User\_artist

artist	0..*	User
artist_id	<->	user_favorite_artist

### 3.29. Reference group\_User

group	0..*	User
group_id	<->	user_favorite_group

### 3.30. Reference user\_like\_song\_User

User	0..*	user_like_song
user_favorite_group	<->	user_id

### 3.31. Reference user\_like\_song\_song

song	0..*	user_like_song
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Database model: HarmonyHub, oracle

genre_id	<->	song_id
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## 4. Subject areas

### 4.1. Subject area Users

#### 4.1.1. Tables

- User
- User profile
- Type User
- Theme
- Personal Setting
- user\_like\_song

#### 4.1.2. External Tables

#### 4.1.3. Views

- User
- User profile
- Type User
- Theme
- Personal Setting
- user\_like\_song

#### 4.1.4. Materialized Views

- User
- User profile
- Type User
- Theme
- Personal Setting
- user\_like\_song

#### 4.1.5. References

- User
- User profile
- Type User
- Theme
- Personal Setting
- user\_like\_song

### 4.2. Subject area Design

#### 4.2.1. Tables

- Color
- Front
- Theme\_image\_Color\_Front
- image

#### 4.2.2. External Tables

#### 4.2.3. Views

- Color
- Front
- Theme\_image\_Color\_Front
- image

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#### 4.2.4. Materialized Views

- Color
- Front
- Theme\_image\_Color\_Front
- image

#### 4.2.5. References

- Color
- Front
- Theme\_image\_Color\_Front
- image

Database model: HarmonyHub, oracle