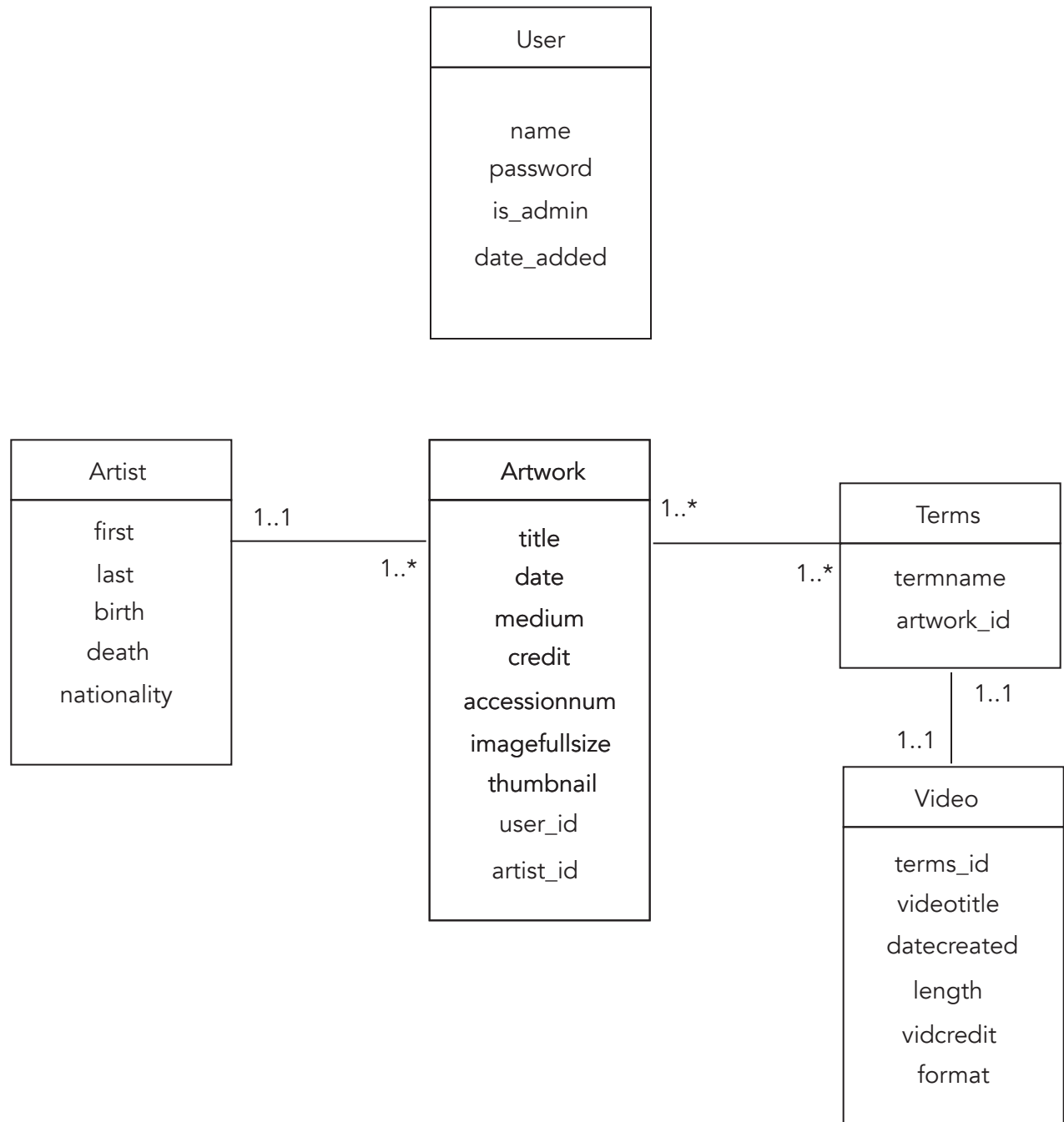


### ER Diagram for Blanton Database



Artist :has\_many Artwork  
Artwork :belongs\_to Artist

User :has\_many Artwork  
Artwork :belongs\_to User

Artwork :habtm Terms  
Terms :habtm Artwork

Terms :has\_one Video  
Video :belongs\_to Term

Artist					
<u>id</u>	<u>first</u>	<u>last</u>	<u>birth</u>	<u>death</u>	<u>nationality</u>

Artwork									
<u>id</u>	<u>title</u>	<u>date</u>	<u>medium</u>	<u>credit</u>	<u>accessionnum</u>	<u>imagefullsize</u>	<u>thumbnail</u>	<u>user id</u>	<u>artist id</u>

User				
<u>id</u>	<u>name</u>	<u>password</u>	<u>is admin</u>	<u>date added</u>

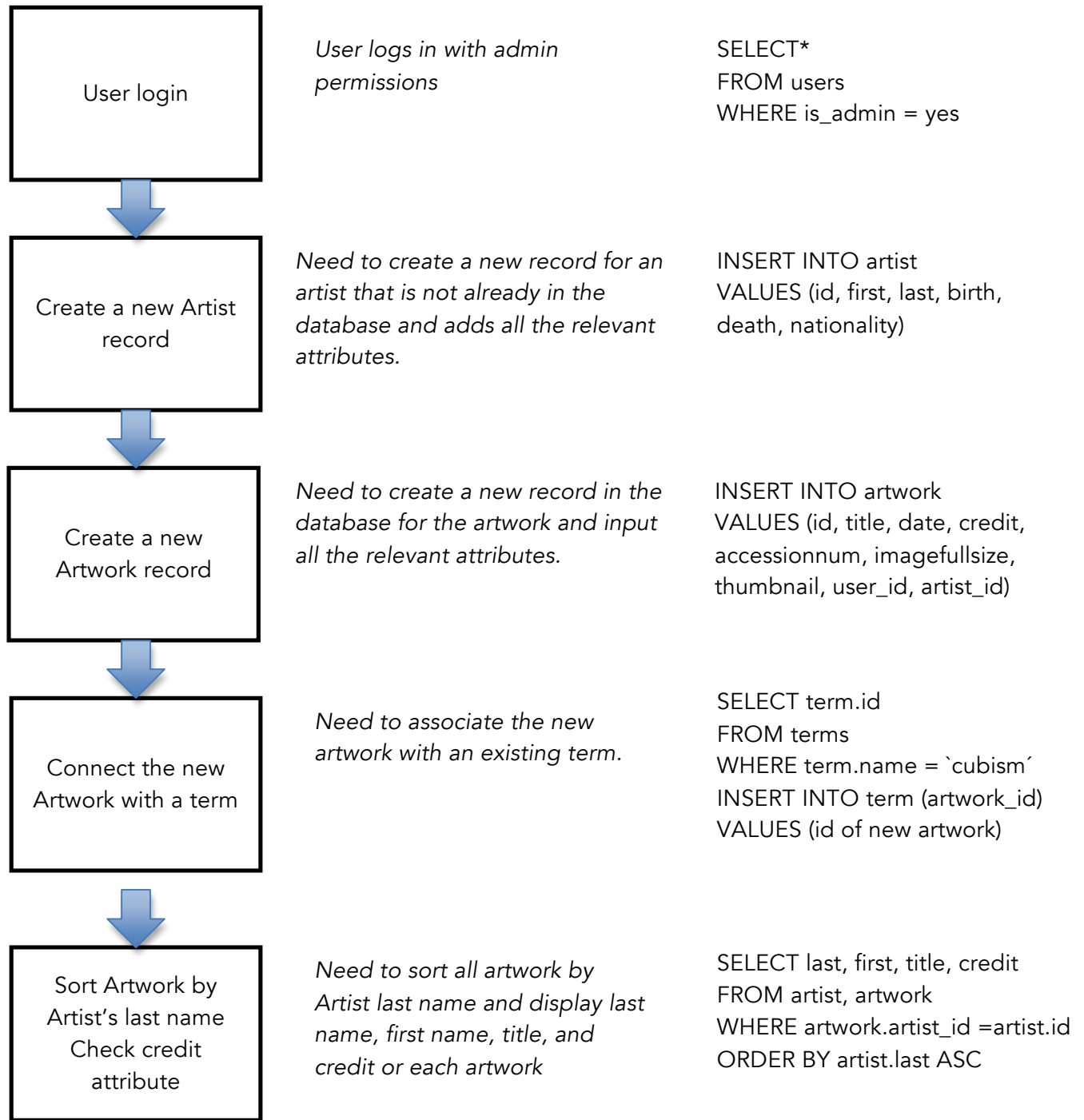
artwork_terms	
artwork_id	terms_id

Terms		
<u>id</u>	<u>term name</u>	<u>artwork id</u>

Video					
<u>id</u>	<u>video title</u>	<u>date created</u>	<u>length</u>	<u>vidcredit</u>	<u>format</u>

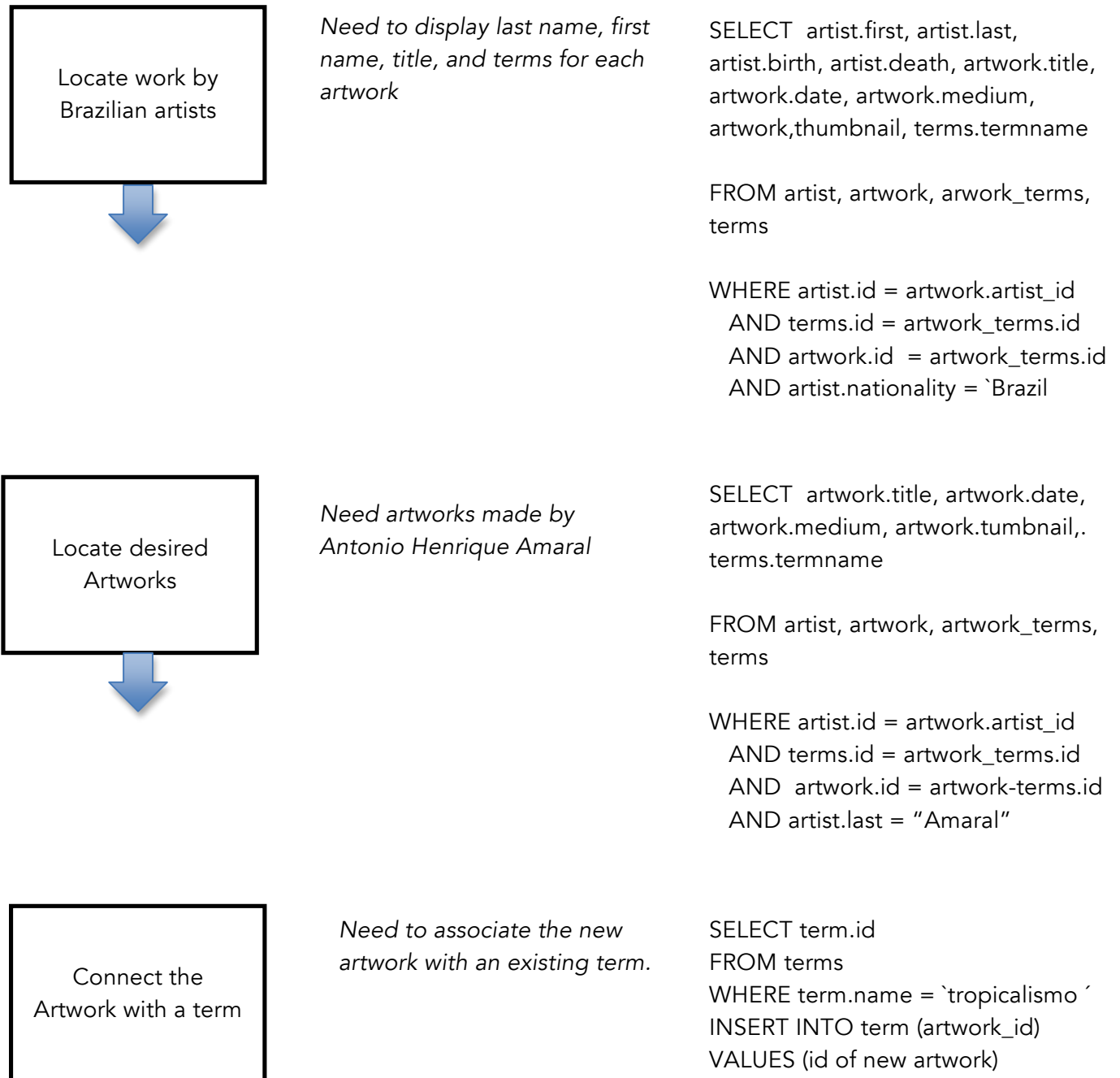
## CREATE

The museum has acquired a new work and the collection manager, an admin in the system, needs to add the artist and individual artwork into the database. Once all the information is entered they have to test the site to make sure that, when searched for or sorted by, artist, date, or nationality the new pieces show up in the correct order and that the donors name is spelled correctly every time it appears.



## EDIT

A university professor searches for artwork by Brazilian artists and terms to use in class. He notices that the art term *tropicalismo* is applied to one entry by Antonio Henrique Amaral but not to all his paintings. The user notifies the collection manager, an admin user, who corrects the error. She updates the entry for all Antonio Henrique Amaral's paintings to include the art term, *tropicalismo*.



## READ

A Uruguayan art collector has heard that the Blanton has a strong collection of Latin American Art and is curious if the museum is worth a visit while she is in town on business. She checks the Blanton collection database and first searches for Francisco Matto, her favorite artist. Pleased to see that there are works by Matto, the user then searches for other works by Uruguayan artists and sorts the works by date to see what art is from the same time period.

Search for Artworks  
by Artist




*Needs all artwork by Francisco Matto and associated metadata about individual artworks. (There is only one Matto in the database.)*

```
SELECT artwork.title, artwork.date,  
artwork.medium, artwork.thumbnail,  
artist.birth, artist.death,  
artist.nationality.
```

```
FROM artist, artwork
```

```
WHERE artist.id = artwork.artist_id  
AND artist.last = "Matto"
```

Search for Artworks  
by Artists from  
Uruguay



*Needs artworks from all artists with Uruguayan nationality.*

```
SELECT artist.first, artist.last,  
artist.birth, artist.death, artwork.title,  
artwork.date, artwork.medium,  
artwork,thumbnail,
```

```
FROM artist, artwork
```

```
WHERE artist.id = artwork.artist_id  
AND artist.nationality = 'Uruguay'
```

Sort Artworks by  
date

*Need to display all artwork in the selection chronologically*

```
SELECT artist.first, artist.last,  
artist.birth, artist.death, artwork.title,  
artwork.date, artwork.medium,  
artwork,thumbnail, terms.termname
```

```
FROM artists, artwork
```

```
WHERE artist.id = artwork.artist_id
```

```
GROUP BY artwork.date  
ORDER BY DESC
```

## DELETE

Earlier this year the Blanton museum received a generous donation of an African painting by Ibrahim El-Salahi. However, since the museum's collection focuses European, American, and Latin American works, the collection manager made the decision to donate the painting to another museum. Several weeks after the painting was deaccessioned, the manager was notified that it had already been entered into the database. She then pulled up the entry for Salahi's painting and removed it from the database.

