

Blanton Artwork Database

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Intro:

For our project we have built The Blanton Artwork Database. This is a website for the Blanton Museum to organize all the pieces of artwork from a specific exhibition into a computerized database for use by both the museum staff and by the general public. The central function of the site is to be able to search the collection by a range of variables including; artist name, creation date range of the artwork, nationality of the artist, or by selected art term keywords. Additionally for the administrator of the website there is the functionality to log in as an administrator with permission to add new artist records, add new artwork records and edit existing records. There is also the ability for administrators to delete an artwork record.

On the following pages of this report you will find:

- 1) List of all the URLs to the pages in the website
- 2) Entity-Relationship (ER) diagram for the database
- 3) Relational Vocabularies and tables sketches with sample data for the database
- 4) Four user stories that illustrate case studies where a user either creates records, reads records, edits records, or deletes records. Each user story is followed by sample queries to achieve the desired functions and wireframes of the web pages showing where these functions are implemented.

Blanton Artwork Database URL list

The following urls link to all the relevant php pages that implement the functionality of the site. Please note that the direct links to pages such as the search results page show no results, they will only show results after performing a search from the home/search page.

The user cases with screen shots begin on the next page, links to all the relevant PHP pages are below:

Home/Search page:

<https://holden.ischool.utexas.edu/~spring2013group3/index.php>

Log in page:

<https://holden.ischool.utexas.edu/~spring2013group3/login.php>

For log in - username: admin, password: test

Admin page:

<https://holden.ischool.utexas.edu/~spring2013group3/admin.php>

Edit entry page:

<https://holden.ischool.utexas.edu/~spring2013group3/editentry.php>

New artist page:

<https://holden.ischool.utexas.edu/~spring2013group3/newartist.php>

New entry page:

<https://holden.ischool.utexas.edu/~spring2013group3/newentry.php>

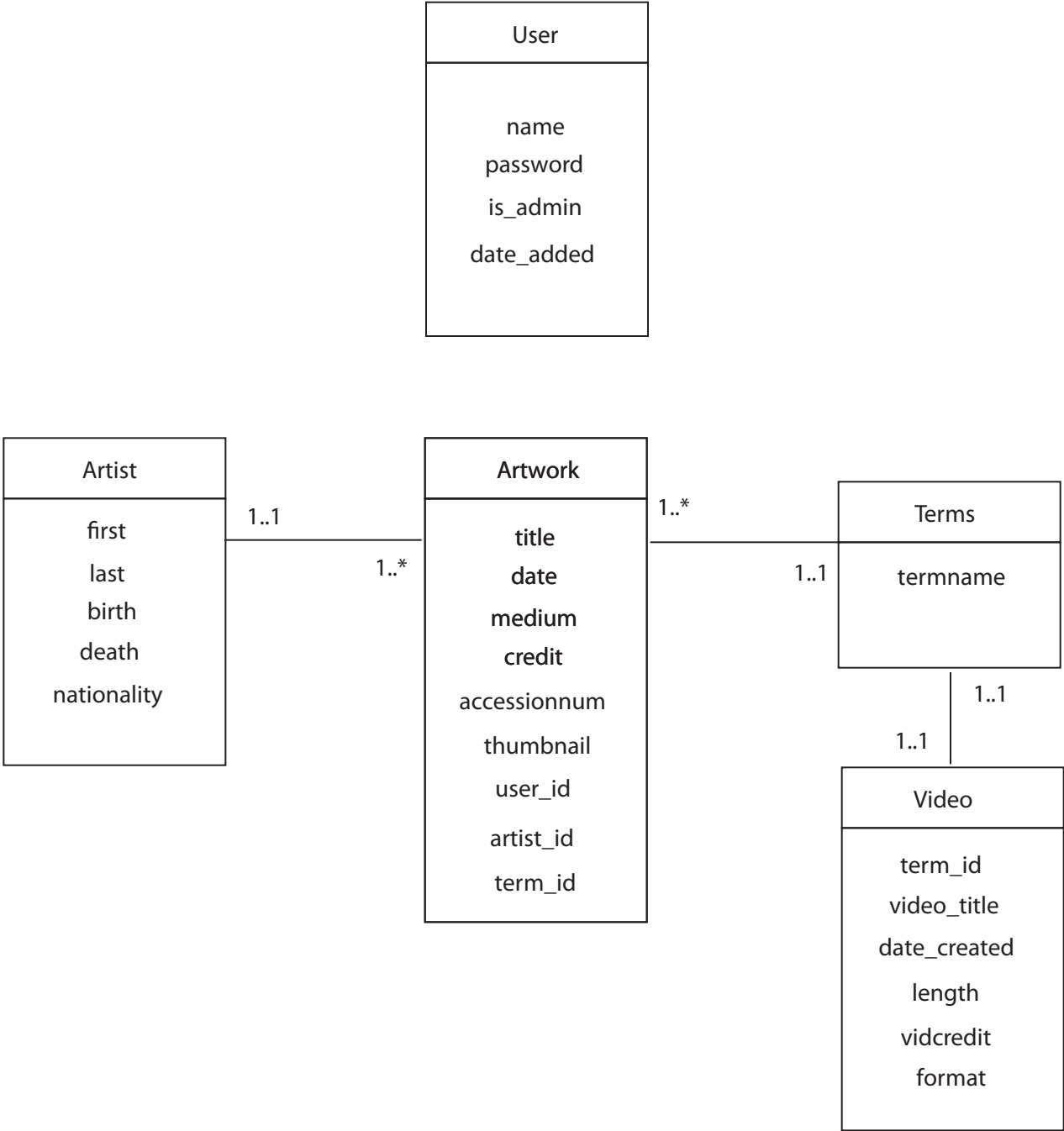
Search results page:

<https://holden.ischool.utexas.edu/~spring2013group3/results.php>

View artwork page:

<https://holden.ischool.utexas.edu/~spring2013group3/artwork.php>

ER Diagram for Blanton Database



Blanton Artwork Database
Relational Vocabularies and Tables Sketches

Artist :has_many Artwork
Artwork :belongs_to Artist

Terms :has_many Artwork
Artwork : belongs to Term

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>
2	Julio	Alpuy	1919	2009	Brazil
3	El	Anatsui	1944		Ghana
4	Thomas	Benton	1889	1975	USA

Artwork									
<u>id</u>	<u>title</u>	<u>date</u>	<u>medium</u>	<u>credit</u>	<u>accessionnum</u>	<u>thumbnail</u>	<u>user_id</u>	<u>artist_id</u>	<u>term_id</u>
3	Seepage	2007	Wire	Gift	PG2009	img/1298.jpg	1	3	9
4	Romance	1933	Tempera	Artist	1991.187	img/1991.jpg	1	4	1
14	Quipus	1968	Acrylic	Gift	18282G	img/1828.jog	1	14	2

User				
<u>id</u>	<u>name</u>	<u>password</u>	<u>is_admin</u>	<u>date_added</u>
1	admin	test	1	2013-04-17
2	Scott	Blurgh	1	2013-04-17
3	Julie	pass	1	2013-04-20

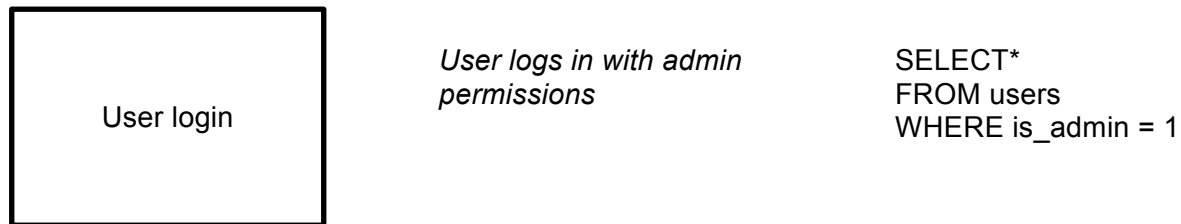
Terms	
<u>id</u>	<u>term_name</u>
1	Naturalism
3	Landscape
4	Abstraction

Video						
<u>id</u>	<u>video_title</u>	<u>date_created</u>	<u>length</u>	<u>vidcredit</u>	<u>format</u>	<u>term_id</u>
1	What is naturalism	2009-04-10	00:08:54	Bob Ross	avi	1
3	What is a Landscape	2012-06-09	00:12:15	Dr. Smith	mp3	2
4	Abstraction, What is it?	2013-09-02	00:15:10	Hans Hoch	avi	3

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 or date the new pieces show up in the correct order and that the donors name is spelled correctly every time it appears.

Create – 01



Login page leads to the admin page:

The Blanton Museum of Art

Artwork Database Search Login

Admin Center

Users with administrative rights to edit, delete, and enter new artworks please login here:

Username:

Password:

Login

Admin page with new entry buttons:

The Blanton Museum of Art

Artwork Database Search Login

Artwork Database

New Artist

New Entry

Id	Last Name	First Name	Artwork	Date	Medium	Accession	Term		
2	Alpuy	Julio	Marina metafisica [Metaphysical Marina]	1962	Oil on incised, carved wood	2005.15	Abstraction	Edit	Delete
3	Anatsui	El	Seepage	2007	Aluminum and copper wire	PG2009.1	Institutional Critique	Edit	Delete
4	Benton	Thomas Hart	Romance	1933	Tempera and oil varnish glazes on gesso panel on board	1991.187	Naturalism	Edit	Delete
109	Bob	Billy	1290	1999	oil	1234	Installation Art	Edit	Delete

Create – 02

Create a new Artist
record

Need to create a new record for an artist that is not already in the database and adds all the relevant attributes.

```
INSERT INTO artist (id, first, last,  
birth, death, nationality)  
VALUES (?, ?, ?, ?, ?, ?)
```

Admin page with “New Artist” link leads to New Artist page with form for entering data:

New Artist

Please complete all the fields below

Artist First Name	<input type="text"/>
Artist Last Name	<input type="text"/>
Year of Birth	<input type="text"/>
Year of Death (leave blank if still living)	<input type="text"/>
Nationality	<input type="text"/>

Create -03

Create a new
Artwork record

Need to create a new record in the database for the artwork and input all the relevant attributes.

```
INSERT INTO artwork (id, title,
date, credit, accessionnum,
thumbnail, user_id, artist_id)
VALUES (?, ?, ?, ?, ?, ?, ?, ?)
```

&

Connect the new
Artwork with a term

Need to associate the new artwork with an existing term.

```
SELECT term.id
FROM terms
WHERE term.name = `Abstract`
INSERT INTO term (artwork_id)
VALUES (?)
```

Admin page with “New Entry” link lead to New Entry page with form for entering

New Entry

Please complete all the fields below

Select Artist

Alpuy, Julio

Title

Date

Medium

Credit Line

Accession Number

Upload Image

Browse...

Artwork Terms

☐ Abstract Expressionism

☐ Abstraction

☐ Academic

☐ Installation Art

☐ Institutional Critique

☐ Institutional Critique

☐ Landscape

☐ Mestizo

☐ Naturalism

☐ Tropicalia

Submit

Cancel

Sort Artwork by new
Artist's last name
Check credit
attribute

*Need to sort all artwork by Artist
last name and display last
name, first name, title, and
credit or each artwork*

```
SELECT last, first, title, credit  
FROM artist, artwork  
WHERE artwork.artist_id =artist.id  
ORDER BY artist.last ASC
```

Search page with dropdown menu of artists' names:

The Blanton Museum of Art

Artwork Database Search Login

Search the collection

Find artwork in the database using any of the search tools below.

Select Artist

Select date parameters for

From Date:

To Date:

Artist Nationality

Alpuy, Julio

Anatsui, El

Benton, Thomas Hart

Chase, William Merritt

Cramer, Konrad

Davis, Stuart

Dawson, Manierre

Dean, Peter

Del Rio, Isabel

Dove, Arthur Garfield

Duville, Matias

Eielson, Jorge

Evergood, Phillip

Fonseca, Gonzalo

Frankenthaler, Helen

Gerzso, Gunther

Goldberg, Michael

Gorky, Arshile (Vosdanik Adolian)

Gottlieb, Adolph

Hartley, Marsden

☐ Mexico

☐ Germany

☐ Japan

☐ United Kingdom

☐ Brazil

☐ Bolivia




☐ Spain

Search Results Page:

The Blanton Museum of Art

[Artwork Database](#) [Search](#) [Login](#)

Search Results

Image	Last Name	First Name	Title	Date	Medium	Credit	Video?	Nationality	Birth	Death	
	Matto	Francisco	Composición sobre fondo negro [Composition on Black Background]	1958	Oil on cardboard	Gift of Judy and Charles Tate, 2004	Yes	Uruguay	1911	1995	View
	Alpuy	Julio	Marina metafísica [Metaphysical Marina]	1962	Oil on canvas	Gift of Bevo B Longhorn, XIV	-	Uruguay	1919	2009	View
	Fonseca	Gonzalo	Granelos III [Graineries III]	1975	Oil on canvas	Gift of Bevo B Longhorn, XIV	-	Uruguay	1922	1997	View

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.

Read - 01

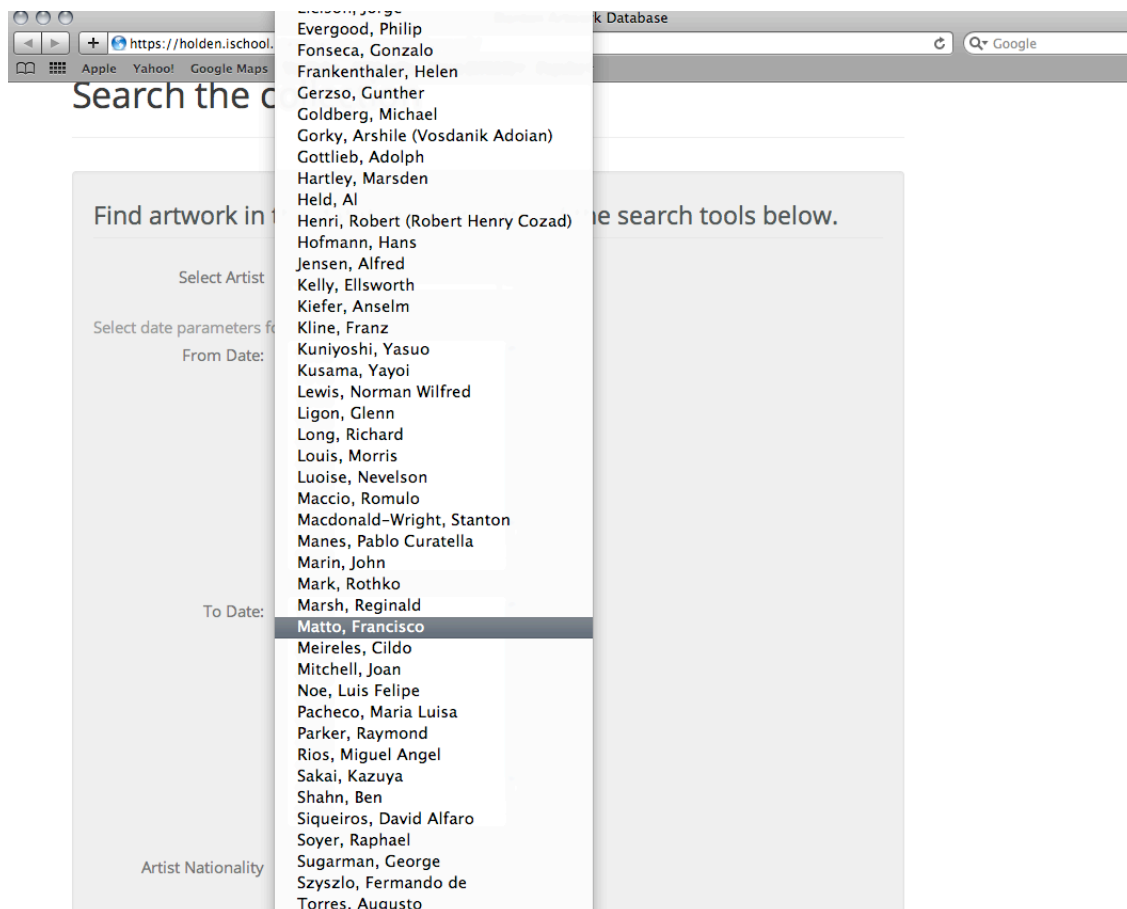
Selects "Francisco Matto" from pull-down menu.

Needs all artwork by Francisco Matto and all information associated with it.

```
SELECT Artist.first, Artist.last,  
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.first = 'Francisco'  
AND Artist.last = 'Matto'
```



The Blanton Museum of Art

Artwork Database Search Login

Search Results

Image	Last Name	First Name	Title	Date	Medium	Credit	Video?	Nationality	Birth	Death	
	Matto	Francisco	Composición sobre fondo negro [Composition on Black Background]	1958	Oil on cardboard	Gift of Judy and Charles Tate, 2004	Yes	Uruguay	1911	1995	View

Selects "Uruguay" from checkbox menu.

Needs art and info about all artists in the collection from Uruguay.

```
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`
```

Artist Nationality ☒ Uruguay

- ☐ Ghana
- ☐ USA
- ☐ Chile
- ☐ Argentina
- ☐ Peru
- ☐ Mexico
- ☐ Germany
- ☐ Japan
- ☐ United Kingdom
- ☐ Brazil
- ☐ Bolivia
- ☐ Spain

Keywords




- Abstract Expressionism
- Abstraction
- Academic
- Foreshortening
- Installation Art
- Institutional Critique
- Landscape
- Mestizo
- Naturalism
- Tropicalia

Cancel Search

The Blanton Museum of Art

Artwork Database Search Login

Search Results

Image	Last Name	First Name	Title	Date	Medium	Credit	Video?	Nationality	Birth	Death	
	Matto	Francisco	Composición sobre fondo negro [Composition on Black Background]	1958	Oil on cardboard	Gift of Judy and Charles Tate, 2004	Yes	Uruguay	1911	1995	View
	Alpuy	Julio	Marina metafísica [Metaphysical Marina]	1962	Oil on canvas	Gift of Bevo B Longhorn, XIV	-	Uruguay	1919	2009	View
	Fonseca	Gonzalo	Graneros III [Graineries III]	1975	Oil on canvas	Gift of Bevo B Longhorn, XIV	-	Uruguay	1922	1997	View

Read - 03

Selects date range for artwork.

Needs to display all artwork in the collection within the date range selected.

```
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 Artwork.date >= "1950"  
      AND Artwork.date <= "1970"  
ORDER BY Artwork.date ASC
```

Select date parameters for the Artwork

From Date:

- 1910
- 1920
- 1930
- 1940
- 1950
- 1960
- 1970
- 1980
- 1990
- 2000




To Date:

- 1910
- 1920
- 1930
- 1940
- 1950
- 1960
- 1970
- 1980
- 1990
- 2000

The Blanton Museum of Art

Artwork Database Search Login

Search Results

Image	Last Name	First Name	Title	Date	Medium	Credit	Video?	Nationality	Birth	Death	
	Matto	Francisco	Composición sobre fondo negro [Composition on Black Background]	1958	Oil on cardboard	Gift of Judy and Charles Tate, 2004	Yes	Uruguay	1911	1995	View
	Mitchell	Joan	Artwork	1961	Oil on canvas	Gift of Bevo B Longhorn, XIV	-	USA	1926	1992	View
	Noe	Luis Felipe	Artwork	1963	Oil on canvas	Gift of Bevo B Longhorn, XIV	-	Argentina	1933		View

EDIT

A university professor searches for artwork by Brazilian artists and terms to use in class. He notices that the art term *tropicalia* is applied to one entry by Clido Meireles 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 Clido Meireles paintings to include the art term, *tropicalia*.

Edit - 01

Locate work by
Brazilian artists

*Need to display last name, first
name, title, and terms for each
artwork*

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

```
FROM artist, artwork, terms
```

```
WHERE artist.id = artwork.artist_id  
AND terms.id = artwork.term_id  
AND artist.nationality = (?)
```

Search page with Brazil selected

The Blanton Museum of Art

Artwork Database Search Login

Search the collection

Find artwork in the database using any of the search tools below.

Select Artist

Select date parameters for the Artwork

From Date:

To Date:

Artist Nationality

- ☐ All Nationalities
- ☒ Brazil
- ☐ Ghana
- ☐ USA
- ☐ Chile
- ☐ Argentina
- ☐ Peru
- ☐ Uruguay
- ☐ Mexico
- ☐ Germany
- ☐ Japan
- ☐ United Kingdom
- ☐ Bolivia
- ☐ Spain
- ☐ China

Keywords

Cancel

Submit

Locate desired
Artworks

*Need artworks made by Clido
Meireles*

```
SELECT artwork.title, artwork.date,  
artwork.medium, artwork.thumbnail,.  
terms.termname
```

```
FROM artist, artwork, terms
```

```
WHERE artist.id = artwork.artist_id  
AND terms.id = artwork.term_id  
AND artist.last = "Meireles"
```

Search page with Meireles selected

The Blanton Art

Artwork Database

Search the collection

Find artwork in the collection

Select Artist: Alpu, Julio

Select date parameters for the Artwork

From Date: 1900

To Date: 1910

the search tools below.

Edit - 03

Connect the Artwork
with a term

*Need to associate the new
artwork with an existing term.*

```
SELECT term.id  
FROM terms  
WHERE term.name = `tropicalia`  
INSERT INTO artwork (term_id)  
VALUES (?)
```

Admin page with links to edit each artwork

					board				
38	Matto	Francisco	Composicion sobre fondo negro [Composition on Black Background]	1958	Oil on cardboard	2004.172	Academic	Edit	Delete
39	Meireles	Cildo	Missao/Missoes [Mission/Missions] (How to Build Cathedrals)	1987	600,000 coins, 800 communion wafers, 2000 cattle bones, 80 paving stones, and black cloth	1998.76	Installation Art	Edit	Delete
40	Mitchell	Joan	Rock Bottom	1961	Oil on canvas	1991.276	Abstract Expressionism	Edit	Delete
41	Nevelson	Louise	Dawn's Presence - Two Columns	1975	Painted wood	2005.1	Installation Art	Edit	Delete
42	Noe	Luis	Cerrado por	1963	Oil and	P1973.11.3	Tropicalia	Edit	Delete

Edit Record to change term:

Edit Entry

Please complete all the fields below

Name

Title

Date

Medium

Credit Line

Accession Number

Upload Image



Artist Nationality

Artwork Term

DELETE

Earlier this year the Blanton museum received a generous donation of a painting by Alfred Jensen. However, toward the end of the year, the museum manager made the decision to donate Jensen's painting to another museum. Several weeks after the painting was de-accessioned, the manager was notified that it was not removed from the database. She then pulled up the entry for Jensen's painting and removed it from the database.

Delete -01

Locate painting by
artist

*Need to display painting by Alfred
Jensen*

```
SELECT *  
FROM Artist, Artwork  
WHERE Artist.id = Artwork.artist_id  
AND Artist.last = "Jensen"
```


The Blanton Museum of Art

Artwork Database Search Login

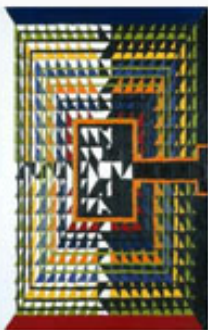
Search the collection

Find artwork in the database using any of the search tools below.

Select Artist	<div>All Artists Evergood, Philip Fonseca, Gonzalo Frankenthaler, Helen Gerzso, Gunther Goldberg, Michael Gorky, Arshile Gottlieb, Adolph Hartley, Marsden Held, Al Henri, Robert Hofmann, Hans Jensen, Alfred Kelly, Ellsworth Kiefer, Anselm Kline, Franz Kuniyoshi, Yasuo Kusama, Yayoi Lewis, Norman Wilfred Ligon, Glenn Long, Richard</div>
Select date parameters for	
From Date:	
To Date:	
Artist Nationality	<div><input type="radio"/> Spain <input type="radio"/> China</div>
Keywords	<div>All Terms</div>

Cancel Submit

Search Results

Image	Last Name	First Name	Title	Date	Medium	Credit	Nationality	Birth	Death	Keyword	Detail
	Jensen	Alfred	Mayan Temple, Per II: Palenque	1962	Oil on canvas	Gift of Mari and James A. Michener, 1991	USA	1903	1981	Mestizo	Submit

Delete – 02

Login

User logs in as admin

```
SELECT *  
  
FROM Users  
  
WHERE is_admin = 1
```

The Blanton Museum of Art

Artwork Database Search Login

Admin Center

Users with administrative rights to edit, delete, and enter new artworks please login here:

Username:

Password:

Login

Delete - 03

Remove painting
from record

Need to delete painting

DELETE FROM Artwork

WHERE Artwork.id = 26

The Blanton Museum of Art

Artwork Database Search Login

Artwork Database

New Artist

New Entry

Id	Last Name	First Name	Artwork	Date	Medium	Accession	Term		
2	Alpuy	Julio	Marina metafisica [Metaphysical Marina]	1962	Oil on incised, carved wood	2005.15	Abstraction	Edit	Delete
3	Anatsui	El	Seepage	2007	Aluminum and copper wire	PG2009.1	Institutional Critique	Edit	Delete
4	Benton	Thomas Hart	Romance	1933	Tempera and oil varnish glazes on gesso panel on board	1991.187	Naturalism	Edit	Delete
109	Bob	Billy	1290	1999	oil	1234	Installation Art	Edit	Delete