

The background is a light cream color decorated with various watercolor-style elements. There are large, irregular washes of color in shades of yellow, pink, purple, teal, and blue. Smaller decorative elements include clusters of dots, thin brush strokes, and a few paintbrushes. One paintbrush is visible on the right side, and another is at the bottom right. The overall aesthetic is artistic and hand-painted.

# ART ATTACK

Group D:  
André Flores - up201907001  
Diogo Faria - up201907014  
Tiago Rodrigues - up201906807



# MOTIVATION

- Being able to discover the history of a piece of art can be difficult.
- Who made it? In which museums was it in? Who's owned it? What was its path through its life?
- We want to make this information easily accessible in just one place, so people can learn more about both a piece of art and its artist.



# REQUIREMENTS



## FUNCTIONAL

Search for artist and artwork

Individual entity page

Links connecting artists and  
piece of art and vice-versa

Get similar artists and similar  
artworks and go to their  
respective pages

## NON-FUNCTIONAL

User-Friendly web interface

High uptime





# ART ATTACK

- Centralized platform for artist and artwork information
- Utilizes linked open data from various sources
- Provides biographical information, exhibition, and related items

User

### Art Attack!

Frontend  
(Vue)

FastAPI

Backup SAAM

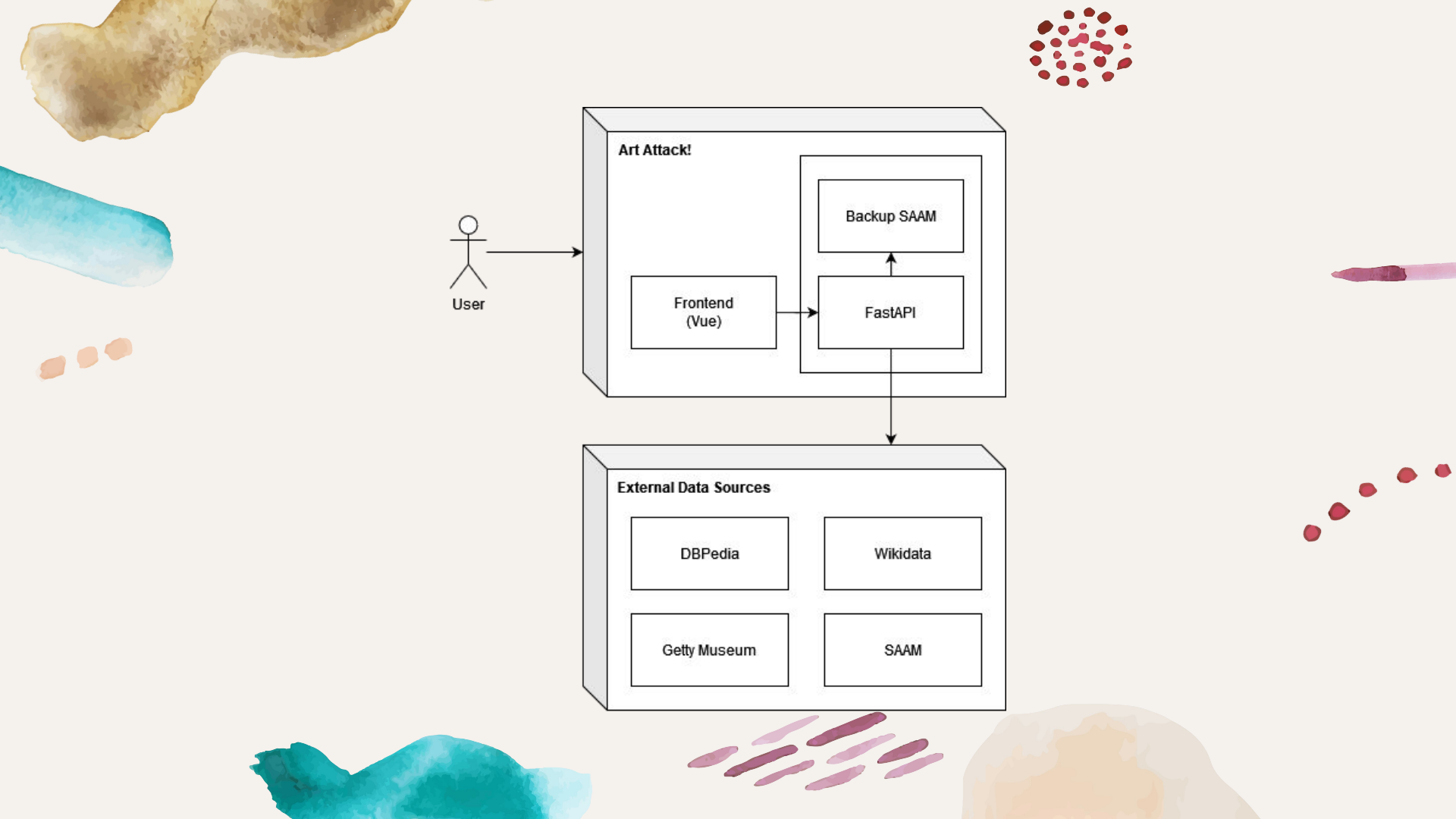
### External Data Sources

DBPedia

Wikidata

Getty Museum

SAAM





# EVALUATION

- Linked Open Data Ranking: 5 stars
  - Fully available on web with open license
  - Available as machine-readable structured data
  - Non-proprietary format
  - Use of open standards from the W3C (RDF and Sparql)
  - Links to other people's data to provide context

The background is a light cream color, decorated with several watercolor-style stains and splashes in various colors: purple, pink, red, orange, teal, and blue. The word "DEMO" is centered in a large, dark purple, serif font.

# DEMO



# CONCLUSIONS

- Functional and non-functional requirements addressed
- We find Art Attack to be a useful platform for learning about artists and art
- It has unique features that set it apart from other platforms allowing for better information retrieval.





# DEMO SCREENSHOTS

## Art Attack!

### Search for Artists and Artworks

All

Search



Artist

Mark Di Suvero

Go to Artist



Artwork

Mark Di Suvero drawing, Venice, Italy

Go to Artwork



Artwork

Mark Di Suvero welding, Chalon-sur Saône, France

Go to Artwork

Search example

## Art Attack!

### Artist Mark di Suvero



SAAM Getty DBPedia

Born in Shanghai to Venetian parents, Marco Polo di Suvero immigrated with his family to the United States when he was eight years old. After studying sculpture and philosophy at the University of California, di Suvero moved to New York City. He drew his inspiration from the Manhattan docks and began using wood and metal from demolition sites to construct his sculpture. In 1960 the artist suffered a broken back and leg in an elevator accident. Doctors said he would never walk, but the determined di Suvero recovered in just four years. While confined to a wheelchair, the artist made small sculptures and learned to use an electric arc welder. Since then he has learned to use the crane and cherry picker, among other tools, to build steel for his art. Di Suvero designs his sculpture to interact with the elements and with his audiences. He states that we must experience his work, physically and spatially, and he hopes that viewers will climb the beams and ride or push the suspended elements of his sculpture.

#### Birth

Date: 1933-09-18

Place: Shanghai

#### Artworks



Gandydancer's Dream



Untitled, from the  
portfolio The New York  
Collection for Stockholm



Motu



Untitled



Revised Maquette for  
Motu Viget



Preliminary  
Motu

#### Artists with the same Artistic Movement



Taro Yamamoto (artist)



Esteban Vicente



Berthe Dubail



Alexandra Luke



Minoru Kawabata




Phyllis Wiener

Artist Page

Art Attack!

Artwork

Motu



Creation

Year: ca. 1975

Author: Mark di Siverio


Museum

Smithsonian American Art Museum

Art Attack!

Artwork

Gandydancer's Dream



Creation

Year: 1987 - 1988

Author: Mark di Siverio

Provenance

1988 - : Eugene Klein

1988 - : OH and Steel Gallery

1991 - : Eugene Klein

1991 - 1992 : Fran Stark

1991 - 1992 : Ray Stark

1992 - 2004 : Ray Stark

2004 - 2005 : The Ray Stark Revocable Trust

Formed from a disparate array of geometric shapes, this painted steel sculpture resists straightforward description. From a parallelogram-shaped base emerges a circular form frust with thin beams evoking the hands of a clock. A pair of black beams, shaped like an "11", on its side, juts away from the circle. At the top of the work, balancing on a thin black pin, fancifully cut forms interconnect to create a roughly circular shape. This circle includes the sculpture's one piece of recognizable imagery—an oversized pair of pliers. The myriad elements of Mark di Siverio's sculpture are sharp-edged and roughly formed. But viewed as a single object, the piece takes on an almost poetic wholeness. This unity is enhanced by the work's kinetic properties. With the thick black beam serving as an essential counterbalance, many of the piece's surfaces can be set in gentle motion by the lightest touch or breeze. Despite variations in size and shape, the forms move in the same time and rhythm. "Gandy dancer" is a slang term for a railroad maintenance worker originating in the late 1890s. Gandy dancer crews were known for accompanying their laborious, repetitive work with singing and dancing. Although the connection between this abstract work and its title is elusive, the jagged steel of di Siverio's sculpture and its kinetic elements can be related to the


Artwork page 1

Artwork page 2

Art Attack!

Artwork

Clock Knot



DBpedia


Wikidata

Clock Knot is an outdoor painted steel sculpture by Mark di Siverio, installed on the University of Texas at Austin campus, in Austin, Texas, United States. The approximately 40-foot (12 m) sculpture was installed along Dean Keeton Street in 2007.


Creation

Author: Mark di Siverio


Artworks with same subject




Hood's Texas Brigade Monument




Jok de Vire (St Saveri)




Littlefield Fountain



Veterans of the 36th Infantry, Texas National Guard Monument



Volunteer Firemen Monument



Confederate Monument

Artwork page 3

## Art Attack!

### Search for Artists and Artworks

Artworks

Search



**Artwork**  
Fight Like a Girl, Los Angeles, CA (2021.33.4)

[Go to Artwork](#)

Artworks only Search

## Art Attack!

### Artwork Fight Like a Girl, Los Angeles, CA



Getty

View of a young girl among a crowd of women at a protest march holding up a handmade sign with the words "Fight Like A Girl".

#### Creation

Year: negative 2019; print 2020  
Author: John Simmons

#### Provenance

2020 - 2021 : Cynthia Simmons  
2020 - 2021 : John Simmons

#### Exhibited with



Pledge of Allegiance,  
Raphael Wall Elementary  
School, San Francisco



Robert F. Kennedy and  
Cesar Chavez Celebrate  
Mass as Chavez Breaks a  
Twenty-Five Day Fast,  
Delano, California



March from Selma, Selma,  
Alabama



Malcolm X Speaks



American Flag

Artwork page 4