

## API Proposal

### Web Engineering CPSC 6175

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## PROJECT:

- Name: Artistic Affinity Nexus
- Description: Artistic Affinity Nexus, built on the robust Spring Boot and React JS framework, is a virtual nexus for art aficionados. It serves as a bridge between art lovers and the esteemed Art Institute of Chicago, offering seamless navigation and an interactive experience. The website provides users with a detailed exploration of artworks, immersive multimedia content, and artist narratives—all while ensuring a responsive, user-friendly interface that honors the love for art in a modern digital context.

## API Information Section

Description:

Leverage the Art Institute of Chicago API to access a vast collection of art data. Integrate endpoints seamlessly into your project for enriched user experiences.

APIs Documented:

- Art Institute of Chicago API documentation, detailing endpoints, parameters, and data models for developers to access and use in applications.
- Url : <https://api.artic.edu/docs/#endpoints>

API Endpoint and params

API Endpoint	Parameters	Description

/artworks	ids, limit, page, fields	Retrieve a list of artworks with customizable data retrieval.
/artworks/search	q, query, sort, from, size, facets	Search for artworks with specific query and sorting options.
/artists	ids, limit, page, fields	Get information about artists and creators.
/artists/search	q, query, sort, from, size, facets	Search within artistdata based on custom queries.
/places	ids, limit, page, fields	Access a list of places related to artworks and their histories.
/places/search	q, query, sort, from, size, facets	Look up places by search criteria and queries.
/galleries	ids, limit, page, fields	Fetch details of different galleries in the museum.
/exhibitions	ids, limit, page, fields, include	Get data on current and past exhibitions.

/exhibitions/search	q, query, sort, from, size, facets	Search through exhibition data based on keywords and filters.
/images	ids, limit, page, fields	Retrieve images associated with artworks and galleries.
/images/search	q, query, sort, from, size, facets	Search for images within the institute's collection.
/videos	ids, limit, page, fields	Obtain a list of videos, such as artwork interpretations or tours.
/sounds	ids, limit, page, fields	Access audio files, like artist interviews or ambient gallery sounds.
/products	ids, limit, page, fields	Fetch information on products available in the museum's shop.

## WEBSITE STRUCTURE:

### Home Page

#### Description:

Discover a world of creativity at your fingertips with curated selections of art and artists from history's canvas. Experience the essence of artistic legacy through featured masterpieces and stories.

#### APIs Involved:

- #GET /artworks **(for featured artworks and highlights)**
  - #GET /galleries **(for galleries information)**
- 

## Artworks Page

#### Description:

Stroll through a digital gallery space showcasing a diverse collection of artworks. Engage with a variety of styles, periods, and artists from the comfort of your home.

#### APIs Involved:

- #GET /artworks **(to list artworks)**
  - #GET /images **(to display artwork images)**
- 

## Videos and Images Page

#### Description:

Immerse yourself in rich multimedia content, exploring the stories behind the art. Watch videos that bring art history to life and view high-resolution images.

#### APIs Involved:

- #GET /videos **(for video content on artworks)**
  - #GET /images **(for high-quality images of the artworks)**
-

## Products Page

Description:

Take home a piece of art history with museum-quality reproductions and unique art-inspired items. Browse our selection of products that celebrate artistic excellence.

APIs Involved:

- `#GET /products` **(for merchandise related to the artworks)**
- 

## Artist Page

Description:

Dive deep into the lives of the artists who shaped the art world. Learn about their inspirations, their works, and their impact on culture and society.

APIs Involved:

- `#GET /artists` **(for details on artists)**
  - `#GET /artworks` **(to display artworks by the artist)**
- 

## Places Page

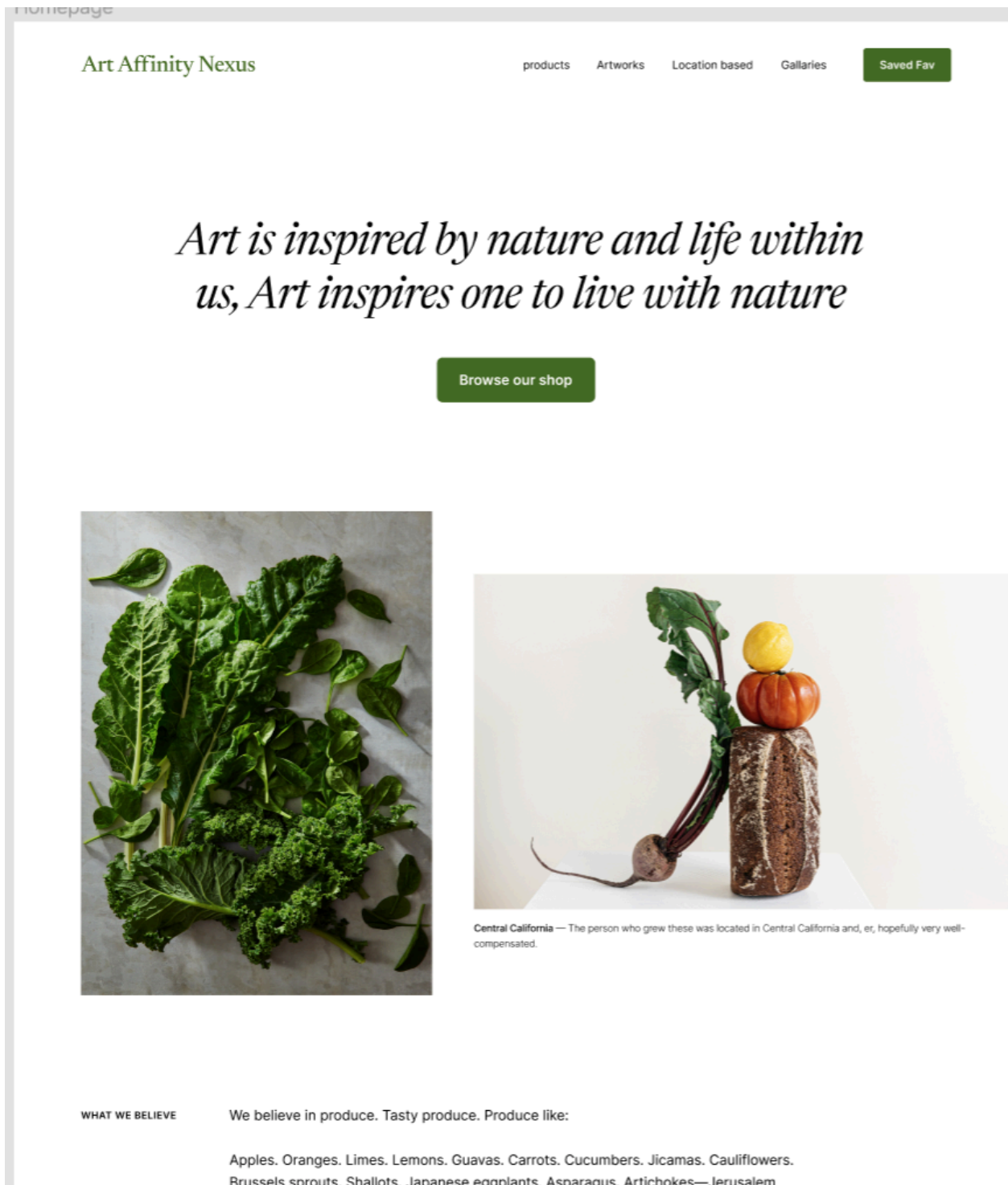
Description:

Explore the geographical tapestry that frames the art world. Discover the locations that have influenced artists and served as a backdrop for iconic works.

APIs Involved:


- `#GET /places` **(to explore places related to the artworks and artists)**
-

# UI-MOCKUP STEPS (figma.com):





# Favourites

3 items

- 



Heirloom tomato

\$5.99 / lb

1 lb 
- 


Organic ginger

\$12.99 / lb

0.5 lb 
- 

Sweet onion

\$2.99 / lb

5 lb 

# Gallery

3 items



**Heirloom tomato**  
**\$5.99 / lb**

1 lb 

Label

Placeholder

Label

Placeholder

Label

Placeholder

Submit



**Organic ginger**  
**\$12.99 / lb**

0.5 lb 



**Sweet onion**  
**\$2.99 / lb**

5 lb 



# Artworks

Placeholder

Default

A-Z

List view



Heirloom tomato  
\$5.99 / lb

Grown in San Juan Capistrano, CA



Organic ginger  
\$12.99 / lb

Grown in Huntington Beach, CA

Label

Placeholder

Label

Placeholder

Label

Placeholder

Submit

## About us

### WHAT WE BELIEVE

We believe in produce. Tasty produce. Produce like:

Apples. Oranges. Limes. Lemons. Guavas. Carrots. Cucumbers. Jicamas. Cauliflowers. Brussels sprouts. Shallots. Japanese eggplants. Asparagus. Artichokes—Jerusalem artichokes, too. Radishes. Broccoli. Baby broccoli. Broccolini. Bok choy. Scallions. Ginger. Cherries. Raspberries. Cilantro. Parsley. Dill.

What are we forgetting?

Oh! Onions. Yams. Avocados. Lettuce. Arugula (to some, "rocket"). Persian cucumbers, in addition to aforementioned "normal" cucumbers. Artichokes. Zucchini. Pumpkins. Squash (what some cultures call pumpkins). Sweet potatoes and potato-potatoes. Jackfruit. Monk fruit. Fruit of the Loom. Fruits of our labor (this website). Sorrel. Pineapple. Mango. Gooseberries. Blackberries. Tomatoes. Heirloom tomatoes. Beets. Chives. Corn. Endive. Escarole, which, we swear, we're vendors of organic produce, but if you asked us to describe what escaroles are...

# *Art Globally*

