

Philadelphia
Museum of
Art

Hackathon 3.0 HackLab

#HacktheMuseum

April 11, 2018



The Dina Wind Power of Art Hackathon
sponsored by the Wind Foundation

HackLab 1

Philadelphia
Museum of
Art



Jessica Milby, Assistant Director for Collection Information

jessica.milby ✉ hackathon@philamuseum.org

Logistics

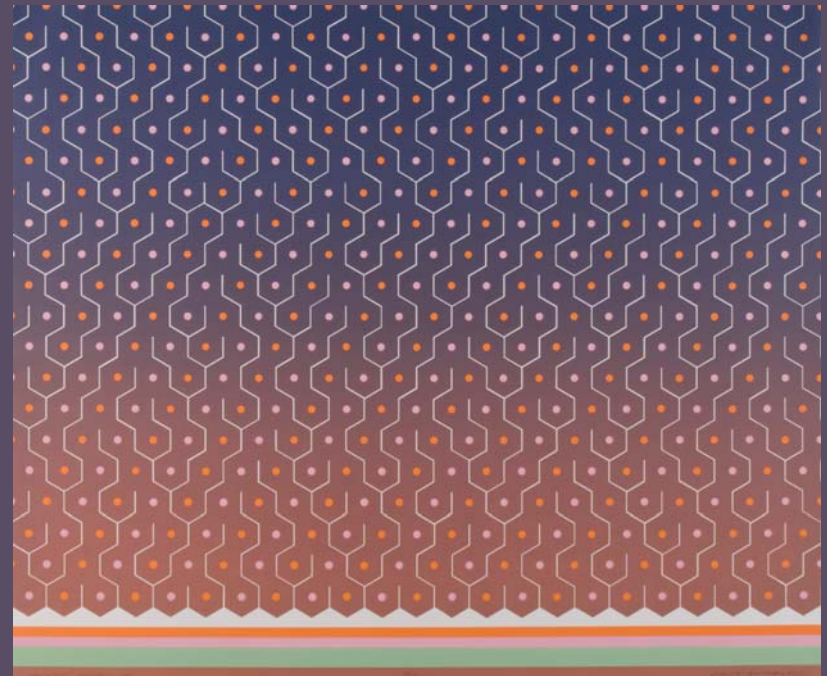
Wear your Hackathon badges.

Be on DevPost by the end of tonight.

- Register an account on <https://devpost.com/>.
- Register for the Philadelphia Museum of Art Hackathon 3.0: <https://philamuseumhackathon.devpost.com/>.

Make a team on DevPost.

- From DevPost home screen, one team members clicks "Enter a submission" then selects "Add a new project" (Project=Team).
- Add team members to your project.
- You can continue to edit the project until the final submission deadline May 9 at 10pm.



Hackathon 3.0 Prompt

The Problem:

Typically, art museum visitors arrive wondering **where to start**, and how to **find objects they like**. Once they find an object they like, visitors want to **understand** it and **find their connection** to it.

Your Solution:

Use the Museum's Hackathon resources and **gather crowd-contributed data** to **create a game or guide** that leads visitors to **discover objects** in an entertaining and engaging way. Your solution should **grow with repeated use** by employing techniques such as machine learning, recommendation systems, and/or crowd-sourcing.

Getting Data on the Collection

GitHub

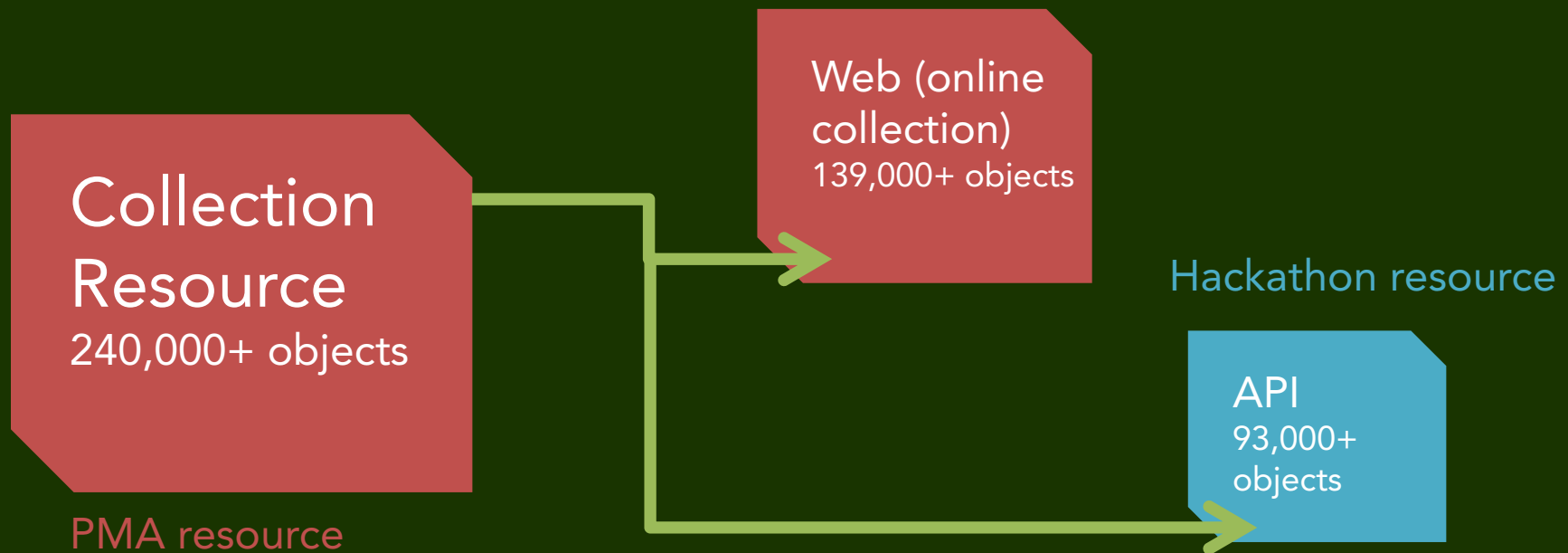
Data dictionary explaining API fields.
Link to images for works on view.

Hackathon API

<https://hackathon.philamuseum.org/>

The image shows a screenshot of the PMA Collection API interface. A sign-in modal is overlaid on the left side of the API Explorer page. The modal has a title "PMA Collection API" and a subtitle "Sign in to get access to our collection data and documentation." It contains fields for "Email" and "Password", a "Remember Me" checkbox, and a "Sign In" button. Below the "Sign In" button are links for "I forgot my password" and "Register a new account". The API Explorer page in the background has a header "PMA Collection API" with a user profile for "Jessica Milby" and a "Logout" button. A "Menu" on the left lists "Home", "Feedback", "API Documentation", "API Explorer" (selected), and "API Access Token". The main content area of the API Explorer has several sections: "Get object information" with a search bar, "Is this object on view?" with a search bar, "Get object location" with a search bar and a "RAW Response" link, "Get all objects on view" with "Limit (0-1000)" and "Offset (default 0)" fields, a "Reset Query" button, and a "Get objects" button, "Get beacons for gallery location" with an "E.g. 254" field and a "Get beacons" button, and "Get all beacons" with a "Get beacons" button.

Where did the Collection Data come from?



What's Included in the Collection Data?

Hackathon API <https://hackathon.philamuseum.org/>

93,000+ Museum collection objects

...that are published online <http://www.philamuseum.org/collections/search.html>

...and in the public domain*

*Works for which exclusive intellectual property rights have expired, been forfeited, or are inapplicable.



Philadelphia
Museum of
Art

Content

What is this thing?
What is it made of?
Who made it?
When?
Where?



Bouquet holder, silver.



Pillow, made from stoneware.

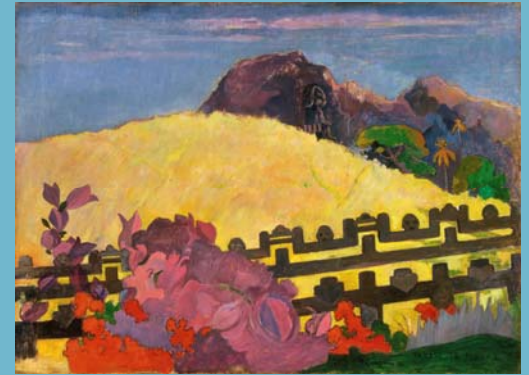


A gunpowder flask, made from ivory, ebony, and brass.

Images

5,400+ primary object images,
1500 pixels, 300 ppi, download
link in GitHub.

Image file names are included in
the data.



Philadelphia
Museum of
Art

Hackathon API

Contexts

Dynasty, Period, Reign, Style, Movement, School

Titles

Formal and descriptive

Social Tags

Folksonomy, descriptive, subjects

Linked Open Data

AAT

<http://www.getty.edu/research/tools/vocabularies/lod/index.html>

Library of Congress Subjects

<http://id.loc.gov/authorities/subjects.html>

Iconclass

<http://www.iconclass.org/help/lod>

Galleries

- Follow the code of conduct throughout the Museum.
- Wear your Hackathon badge to identify you in the galleries.
- Be respectful of art and other property and do not touch or endanger objects.
- Stay at arm's length distance from the artwork at all times.

First Floor

Gallery 111, American Art
Gallery 116, American Art

Gallery 155, European Art 1850-1900
Gallery 161, European Art 1850-1900



Galleries

Second Floor

Gallery 201, European Art 1100-1500

Gallery 204, European Art 1100-1500

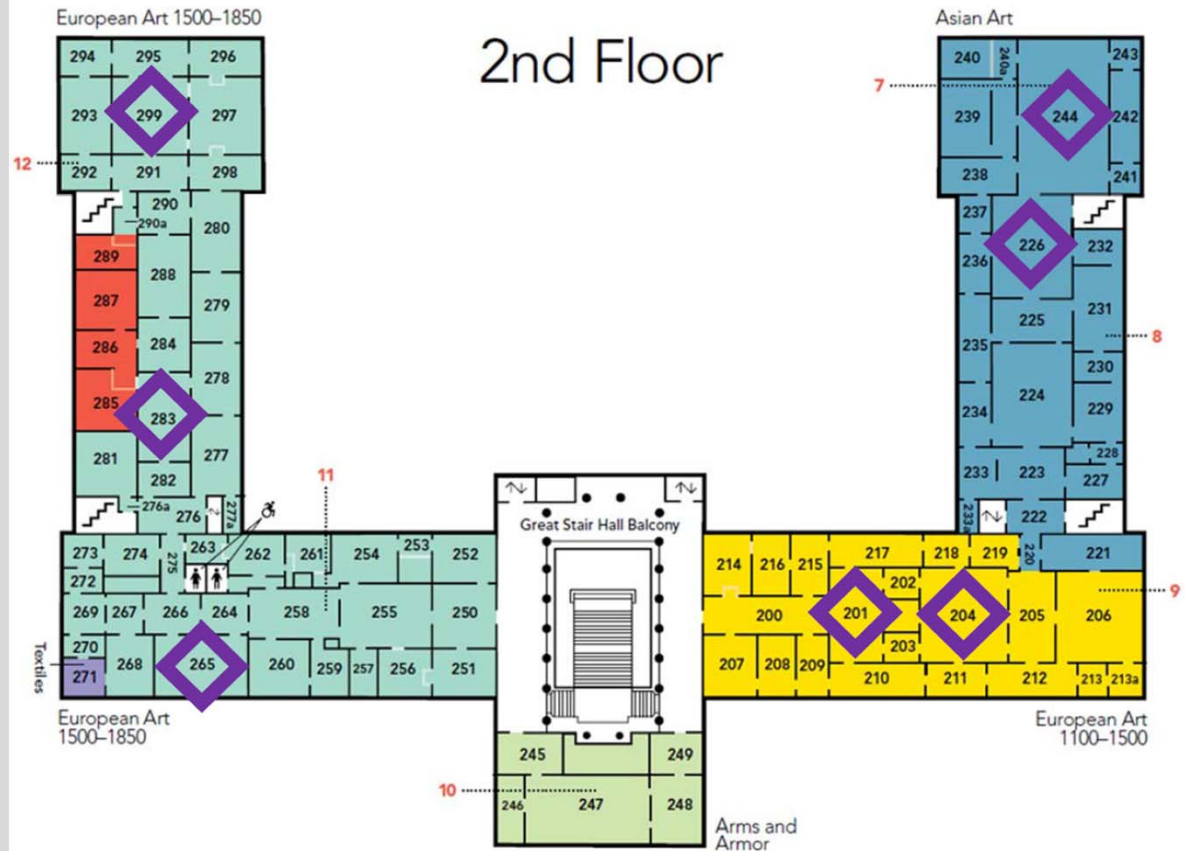
Gallery 226, Asian Art

Gallery 244, Asian Art

Gallery 265, European Art 1500-1850

Gallery 283, European Art 1500-1850

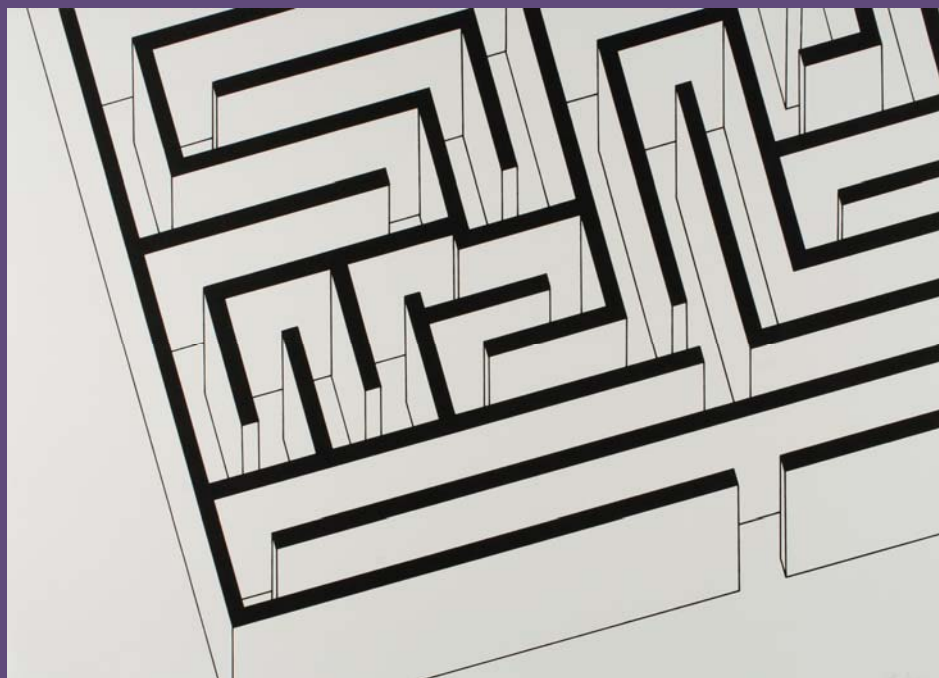
Gallery 299, European Art 1500-1850



Questions?

✉ hackathon@philamuseum.org

jessica.milby



Philadelphia
Museum of
Art

Philadelphia
Museum of
Art



#HacktheMuseum

The Dina Wind Power of Art Hackathon sponsored by the Wind Foundation.