UNITED STATES PATENT AND TRADEMARK OFFICE

# **Adventures in API-land**

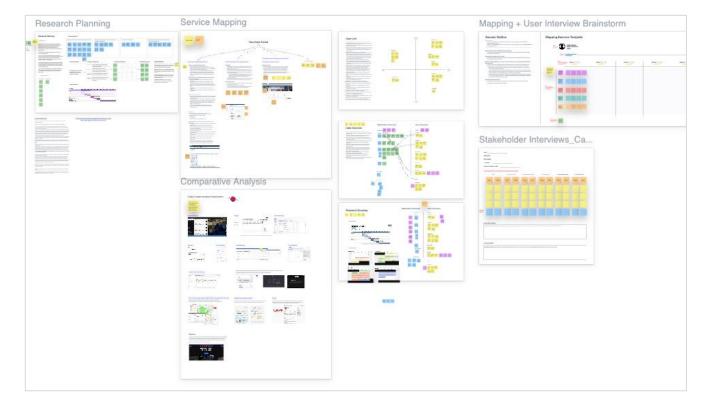
## Background

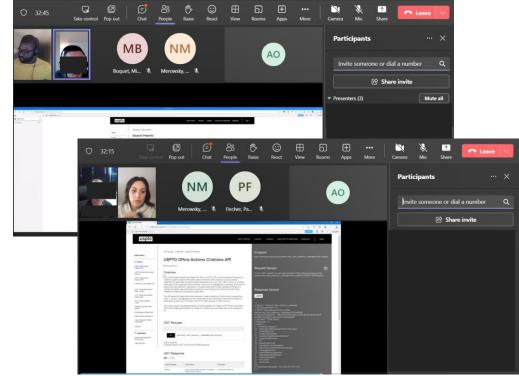
- USPTO launched the Open Data Portal (ODP) in 2015 to raise awareness of the importance of USPTO data and making it more readily accessible for customers.
- With the rapid increase of patent and trademark data and customer demand, USPTO needed to reimagine and modernize how it does public data dissemination to improve customer experience while reducing cost.

### **Generative Research**



#### **Stakeholder/User Interviews**





<b>Research Overview</b>		I so a l'attacta	
WHAT WE SET OUT TO DISCOVER	WHO WE SPOKE TO	Insights	
Conducted user and stakeholder interviews to gain an understanding of the current state experience, important pain points, and challenges relevant to the delivery of data disseminations services.	External Users		
	Researchers	Experience:	
	Resellers	Shifting towards data that's easy to find	
	Attorneys	and request regardless of skillset.	
SNAPSHOT OF DATA & FINDINGS	USPTO Stakeholders		
30 Interviews Conducted	Leadership	Analysis: Presenting users with adjustable	
07 Actionable Insights 27 Supporting Themes 21 Opportunities for Ideation 4 User Mindests	Product Owners     datasets vs. fixed bulk form		
	<ul> <li>Technical Leads</li> </ul>		
	Data Enthusiasts	Thresholds	
	Dissemination	Inresnotas	

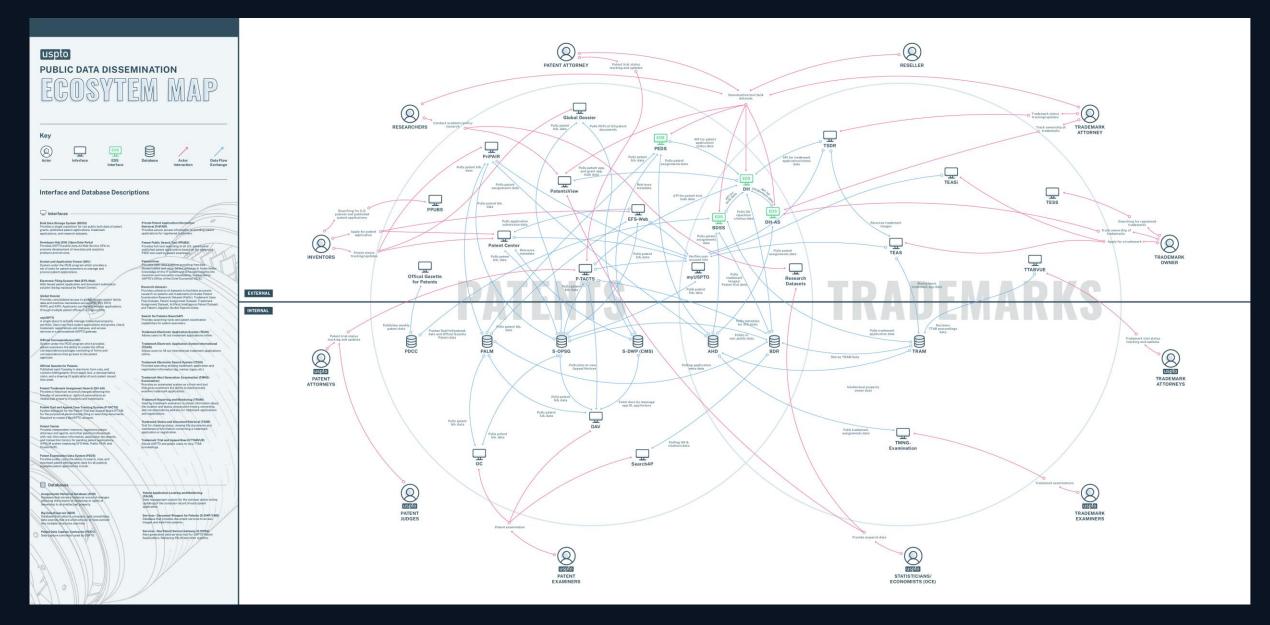
Insights	Integration: Integrating data sources and services to build trust while reducing cost.
Shifting towards data that's easy to find and request regardless of skillset.	Reframing dissemination customers as value creators vs. cost generators.
Presenting users with adjustable datasets vs. fixed bulk formats.	Aligning internal data groups to organize shared initiatives and goals.
Enabling self-service options for users to work within system constraints.	Communicating dissemination's mission-critical role to gain buy-in.
	One Date Date

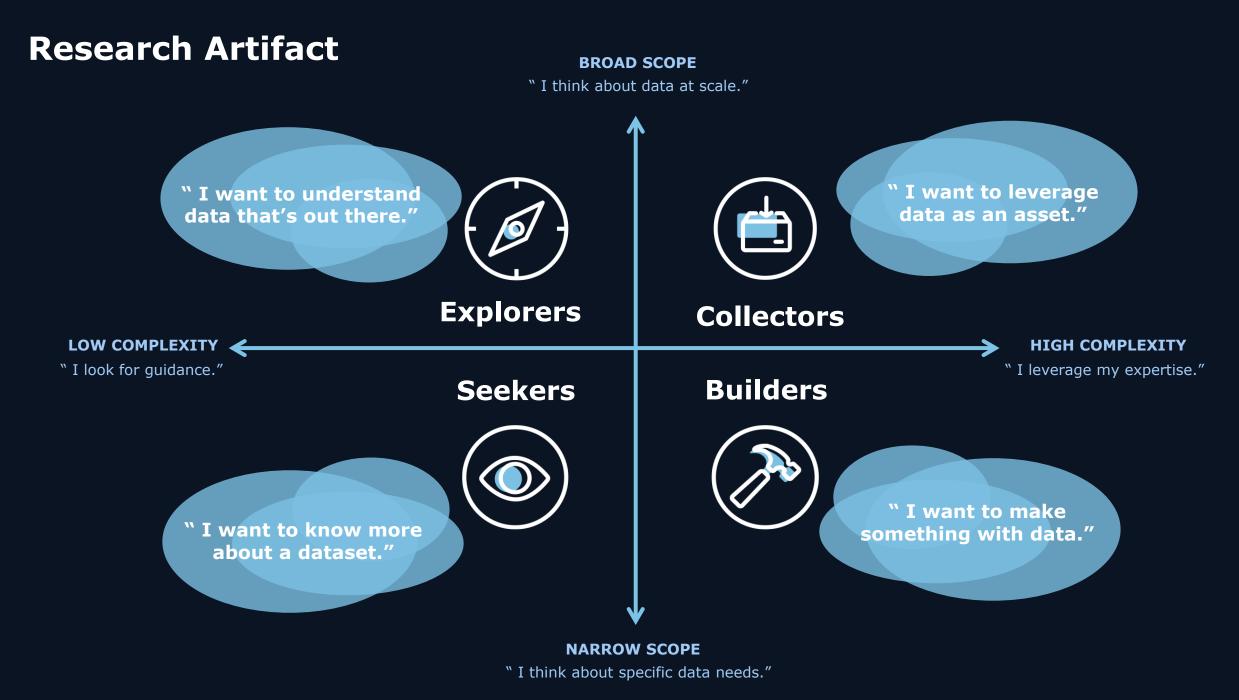
Radad shadd	Data Minds
OPPORTUNITES How might we proview available datasets to let users know what they can get? How might we provide filtering options so that users can target specific datasets?	VALUE STATEMENT "I want to leve as an asset."
How might we enable users to manipulate datasets and put them in formats they need?	VARIABLES Broad Scope High Complexity
	How might we provide available datasets to let users know what they can get? How might we provide filtering options so that users can target specific datasets? How might we enable users to manipulate datasets



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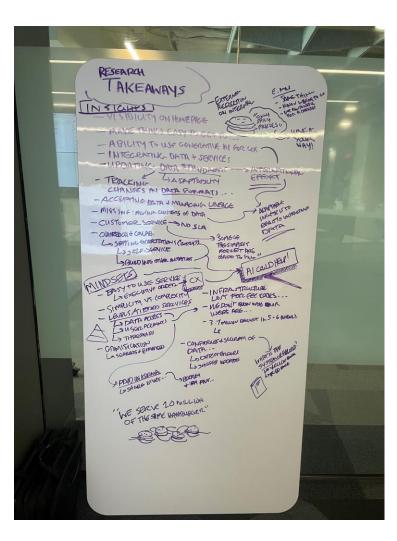
#### **Research Artifact**

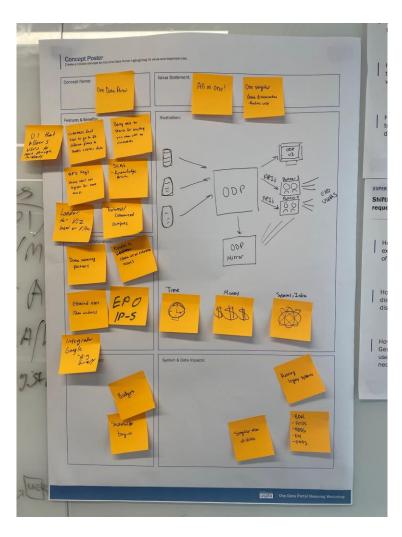




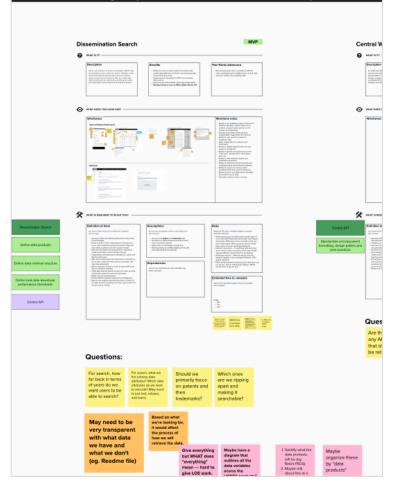
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#### **Vision Workshop**





#### Feature Concepts ("MVP" and "Should Have")



ODP UNIQUE VALUE PROPOSITION

A unified platform where customers can search any patent or trademark and select the exact data they want for single/bulk downloads.



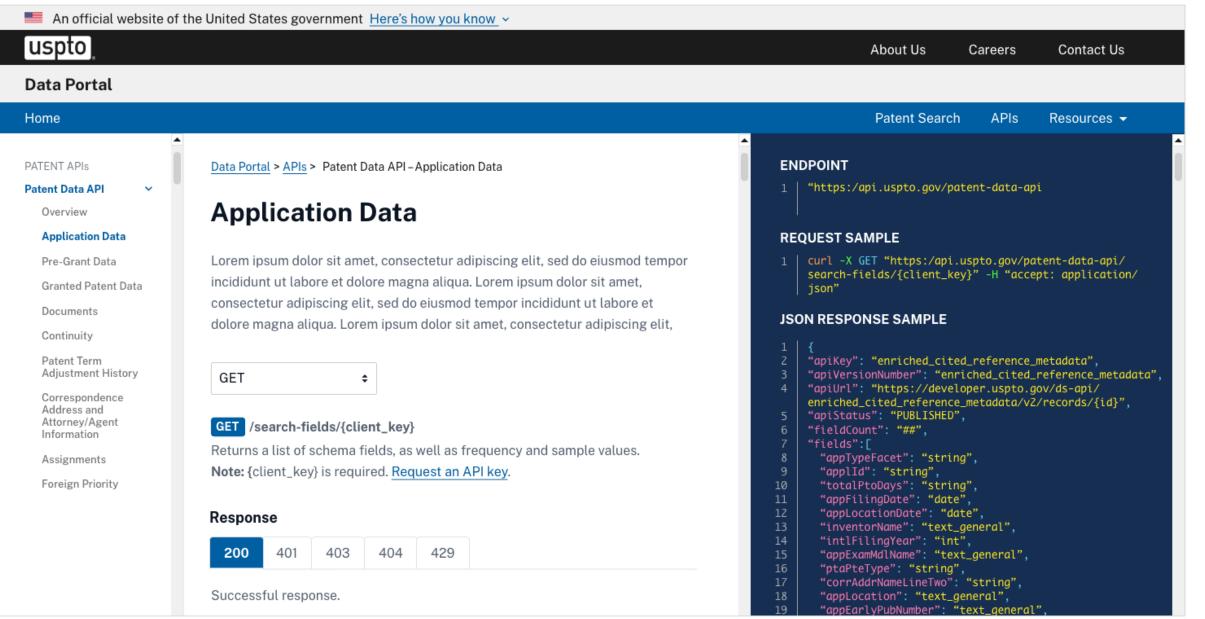
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#### Mockups

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Date >		🛓 Download 🔲 Table Columns (9 of ##) 🔅 API Syntax (	Documents Control of the second secon	Maky on Se way Se Allower	
PATENT/APPLICATION Application Type >		<ul> <li>Title</li></ul>	Continuity Transaction History		
Application Status	(	Article of footwear with 11/422,262 05 June 2006 U fastening system	Patent Term Adjustment History	,	
Entity Status >					
CPC Classification >		Article of footwear with 11/422,262 05 June 2006 U fastening system	Correspondence Address and Attorney/		
Attorney Docket > Number		Article of footwear with 11/422,262 05 June 2006 U fastening system	Agent Information Application Number: Assignments 11/422,262	Application Utility	Гуре:
Tech Center/Group > Art Unit	•	Article of footwear with 11/422,262 05 June 2006 U fastening system	Foreign Priority 05 June 2006	CPC: A43C11/1493	8

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#### **Mockups**



### Roadmap

#### MVP

- ↔ ODP 1.0 Release for November 2023 (Patent Data)
- $rac{1}{4}$  Retire PEDS on January 2024

#### **Central API**

- Provides a central API gateway for all USPTO dissemination data services and endpoints, which allows USPTO to manage threshold limits and control cloud costs.
- Provides a single source of truth for all USPTO APIs where users can quickly locate endpoints and extract the data they need.

#### **Dissemination Search**

- Provides a central place for locating key information on patents, which helps reducing duplicative services that provide redundant data.
- Allows customers to select the data they want to download, which can reduce the burden on USPTO systems from unnecessary large dataset downloads.

### **Potential Feature Releases**

#### **Generative AI Assistant**

• Allows USPTO to enhance the user experience by enabling customers to use natural conversation to get the data they want and allowing them to quickly make sense of USPTO data.

#### **ODP Walkthrough**

 Presents an overview of the ODP site, which can reduce the burden on manually answering questions from customers.

#### **Data Dissemination Dictionary**

 Provides a central place for customers to view and understand all USPTO data attributes and variables.

#### "More Like This"

• Allows users to search and do bulk downloads of patents based on similarity.



## Thank you!

### **Scott Beliveau**

Chief, Enterprise Advanced Analytics

Scott.Beliveau@uspto.gov 571-272-7343 www.uspto.gov