

USPTO Website Next Generation

User Centered Design (UCD)

Wei Ding

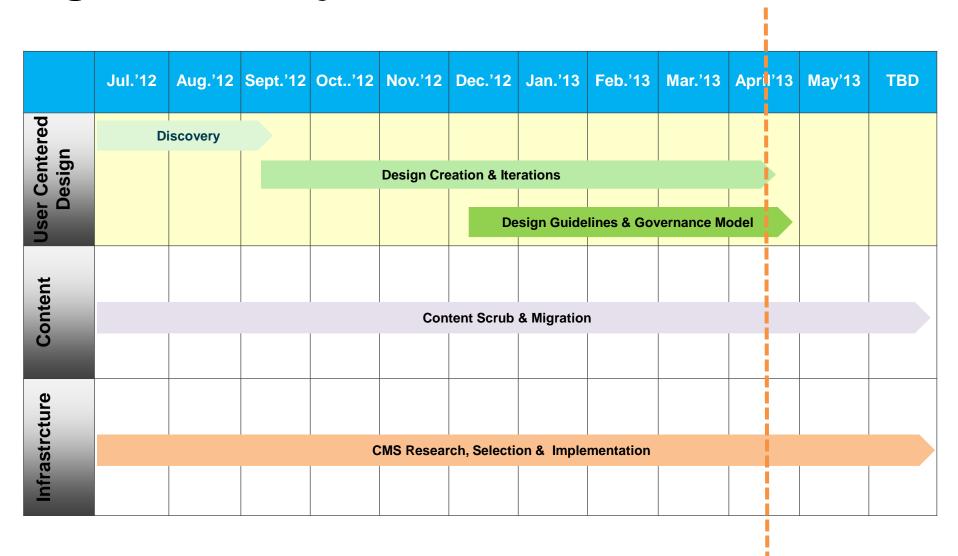
Agenda

- Project background
- Overview of the User Centered Design (UCD) process
- Design demo
- Next steps
- Questions

Objectives of Website Next Gen

- The first step to make USPTO.gov a highly usable, useful and desirable website to all intended audiences, based on a thorough understanding of the user types, needs, motivations, and tasks.
- Increase user satisfaction especially novice user satisfaction.
- Enhance operational efficiency.
- Be aligned with the Federal Mobile Strategy.

High Level Project Timeline



User Center Design Process

Problem definition Data gathering **Data analysis** Vision & strategy **Discovery** Ideation Style guides **Wireframes** Web governance Graphical design **Design guidelines Prototype Usability tests** Guidelines Design & **Prototype** Governance

Cross-Project Coordination: MyUSPTO, FPNG & other IT Next Gen Projects

Discovery Phase Activities

28 stakeholder interviews

6 focus groups sessions with 35 users

9 + 5 user interviews

Competitive & beacon analysis of **11** sites

Review of 44 existing documents

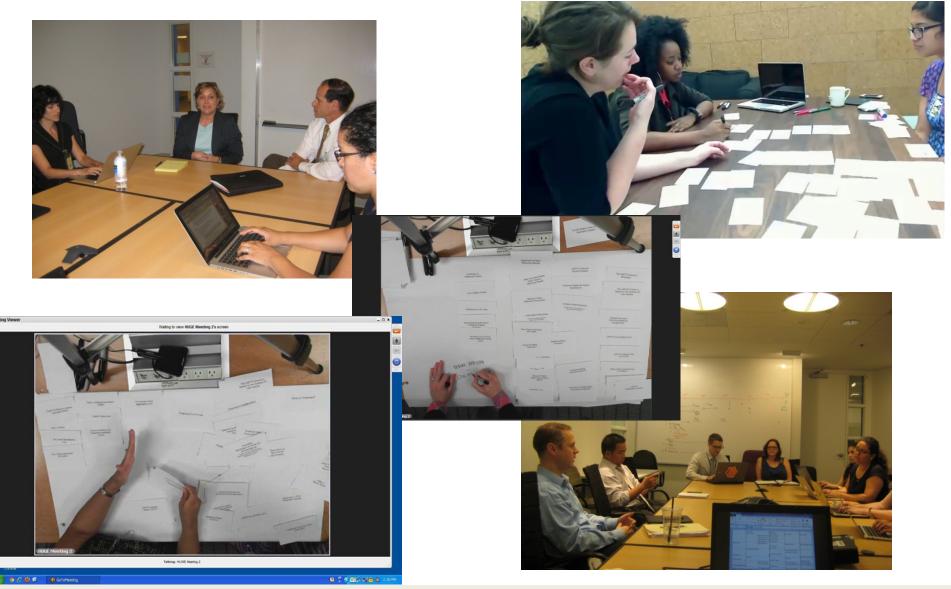
Content assessment of **500** webpages

Analysis of 17 months worth of Google Analytics data

20 months worth of ForeSee online surveys

Analysis of **7,206** ForeSee free-form answers

Snapshots of UCD Activities

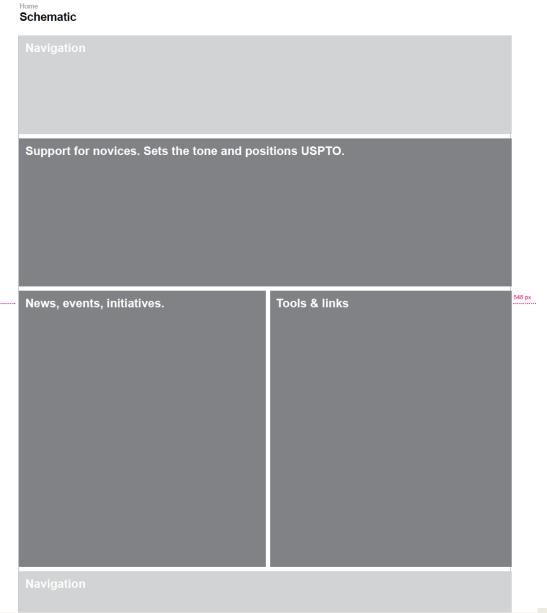


| | Content Audit | | | | | | | | |
|-------------------------------------|---------------------------------|---------------------------------|-------------------------------------|--------------|-----------------|-----------------|---------------|-----------|------------|
| | | | | | | | | | Meassaging |
| | Labe | eling | | | Readability | | | Con | text |
| Торіс | Visible Page Name | Primary Heading Label | Subheading Label(s) | Reading Ease | erage Grade Lev | of Complex Word | Audience | Brand | Timing |
| Landing Page | USPTO.gov | United States Patent & Trade | | 39.2 | 10 | 26.33 | | 2 - Medum | 1 - Low |
| 0 | Patents | | What is a Patent? | 40.2 | 8.8 | 25.14 | Novice Patent | 1 - Low | 2 - Medum |
| | Process for Obtaining a Utili | Process for Obtaining a Utili | | 26.4 | 10.3 | 31.36 | Novice Patent | 2 - Medum | 2 - Medum |
| | Search for Patents | | New to Patent Searching? | 46.8 | 8.2 | 22.33 | Novice Patent | 1 - Low | 1 - Low |
| | Current Fee Schedule | | Effective September 26, 201 | 76.3 | 4.4 | 13.49 | | 1 - Low | 2 - Medum |
| | | | File Online | 31 | 9.6 | 30.63 | Novice Patent | 2 - Medum | 2 - Medum |
| Check the Filing Status of Yo | | | our Patent Application | 35.1 | 9.3 | 26.86 | Novice Patent | 2 - Medum | 2 - Medum |
| | Maintain Your Patent | Maintain Your Patent | | 54.2 | 6.9 | 21.11 | Novice Patent | 2 - Medum | 2 - Medum |
| Patent Trial and Appeal Boa | Patent Trial and Appeal Boa | | | | 9.2 | 29.29 | Novice Patent | 1 - Low | 1 - Low |
| Change Ownership | Change Ownership | Change Ownership | Change of Owner (Assignme | 38.7 | 8.9 | 27.27 | | 2 - Medum | 2 - Medum |
| Office of Patent Classification Lar | Office of Patent Classification | Office of Patent Classification | The Office of Patent Classification | 30.9 | 9.9 | 27.87 | | 2 - Medum | 2 - Medum |
| Patent Classification Home | Patent Classification Home | Site Data is Current as of Apr | A. Access Classification Info | 66.2 | 5.8 | 14.11 | | 1 - Low | 1 - Low |
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| | | | Laws, Regulations, Policies & Pro | | | 27.68 | Expert Patent | 2 - Medum | 2 - Medum |
| - | Patent Examination Policy | Patent Examination Policy | Patent Examination Policy | 23.2 | | 33.01 | Expert Patent | | 2 - Medum |
| | Patent Related Notices | Patent Related Notices | Patent Related Notices | 48.1 | | 21.58 | Expert Patent | 2 - Medum | 2 - Medum |
| Final Rule Revision of Powe | | | | | 8.9 | 28.99 | Expert Patent | 1 - Low | 1 - Low |
| Final Rule 37 CFR 1.121 Re | | | | 38 | | 28.41 | Expert Patent | 1 - Low | 1 - Low |
| American Inventor's Protecti | | | | 29 | 9.9 | 32.42 | Expert Patent | 1 - Low | 1 - Low |
| Comments From the Public | Comments From the Public | Comments From the Public | Comments From the Public | | | 22.38 | Expert Patent | 1 - Low | 1 - Low |
| Resources and Guidance | Resources and Guidance | Resources and Guidance | The following policies, procedures | | | 27.60 | Novice Patent | 1 - Low | 1 - Low |
| Patent Terms Extended | Patent Terms Extended | Patent Terms Extended | Patent Terms Extended | | | 29.53 | Expert Patent | 2 - Medum | 2 - Medum |
| Patent Business Methods | Patent Business Methods | | Patent Business Methods | 31.7 | 9.8 | 29.45 | Novice Patent | 2 - Medum | 2 - Medum |
| Patent Business Goals - Fin | Patent Business Goals - Fin | Patent Business Goals - Fin | Patent Business Goals - Fin | 48.9 | 7.7 | 23.17 | Expert Patent | 2 - Medum | 2 - Medum |
| | Patents Software Tools | Patents Software Tools | Patents Software Tools | | 9.3 | 27.11 | | 2 - Medum | 2 - Medum |
| | | | Types of Patent Applications | | | 32.05 | | 2 - Medum | 2 - Medum |
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| International Protection | International Protection | International Protection | Providing information on patent pr | 26.7 | 10.4 | 29.88 | Expert Patent | 2 - Medum | 2 - Medum |
| PCT Legal Administration | PCT Legal Administration | PCT Legal Administration | The Office of PCT Legal Adr | | | 21.47 | Expert Patent | 2 - Medum | 2 - Medum |
| | | Patent Prosecution Highway | Patent Prosecution Highway | 28.1 | | 31.60 | Expert Patent | | 2 - Medum |
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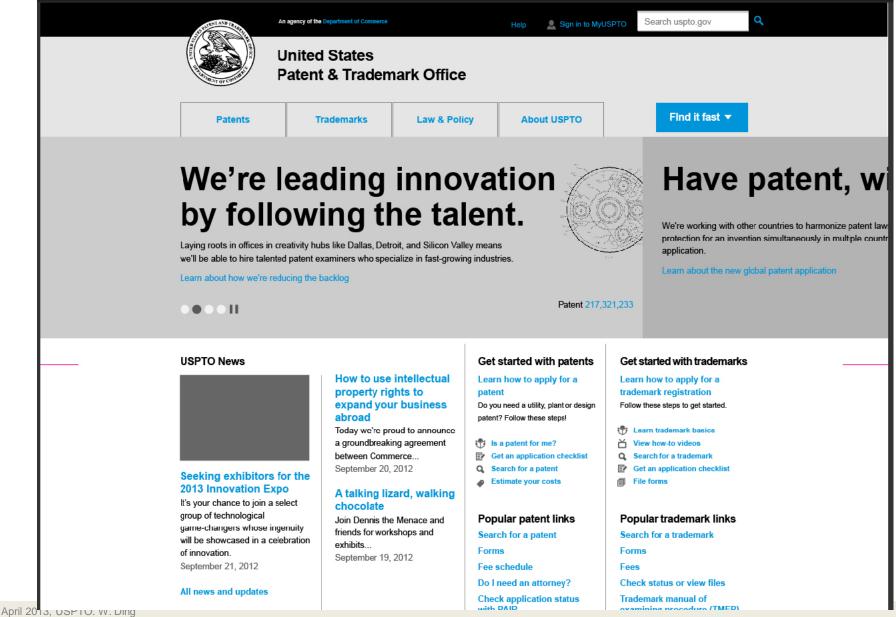
High Level Design Strategy

| Insights | Design Strategy |
|--|--|
| The current navigation doesn't mirror how users think. | Organize the website based on user tasks Increase consistency and predictability |
| Novice users and expert users have different needs | Satisfy users at each end of the spectrum of expertise |
| There are barriers to interacting with USPTO. | Flaunt our best assets. Foster a relationship by developing a community of confident users. |

Design Iterations: rough concepts



Design Iterations: Evolving



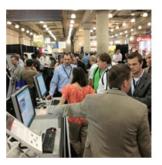
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12 Application process

Learn the steps needed to submit a patent application.

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Trademarks

Trademark basics

Learn the value of a trademark and find out if it's right for you.

2 Application process

Learn the steps needed to apply for a trademark registration.

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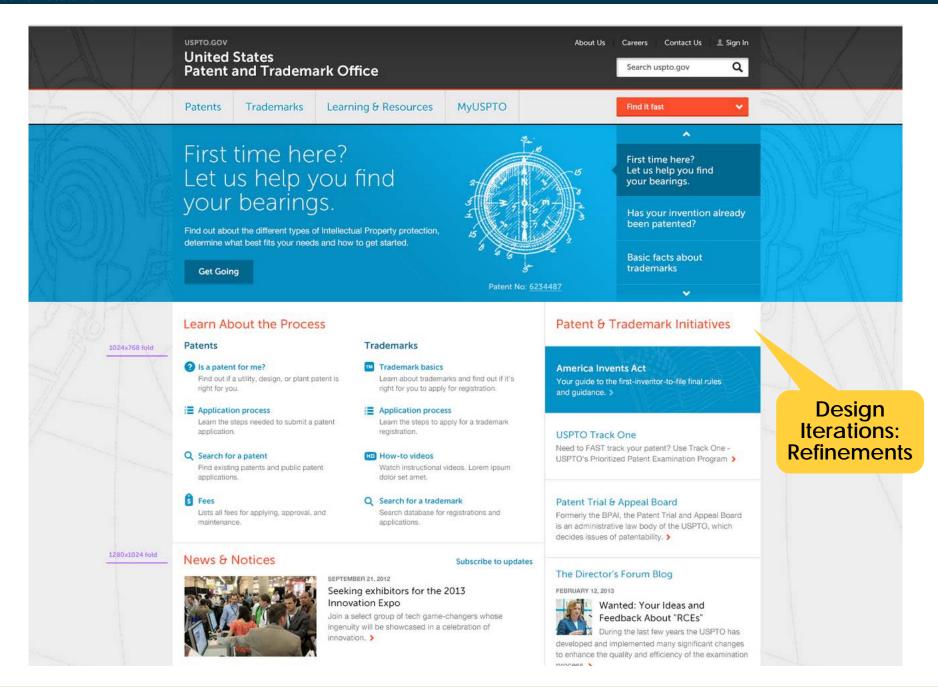
Watch series of instructional videos.

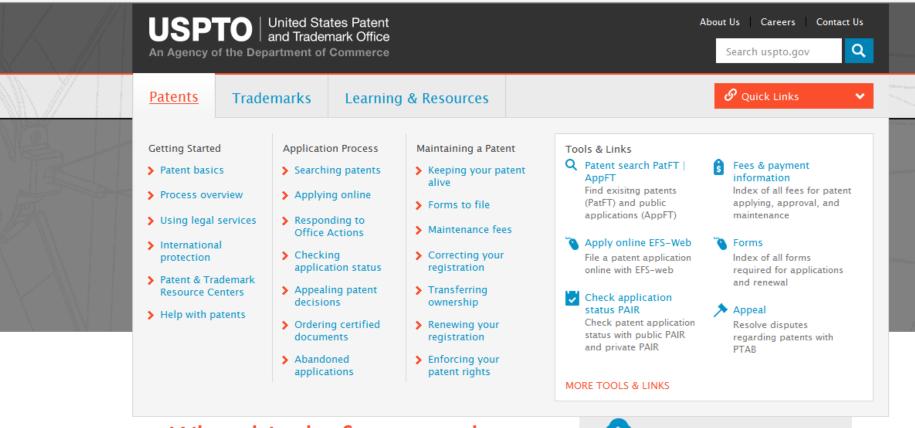
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- ▶ Trademark Manual of Examining Procedure (TMEP)

Design Iterations: High Fidelity





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- International protection
- > Patent & Trademark Resource Centers
- How-to videos
- Trademark FAOs

Application Process

- Searching trademarks
- > Filing online
- Checking application status
- Viewing documents
- Transferring application
- Ordering certified documents
- Abandoned applications

Maintaining a Trademark

- Keeping your registration alive
- View registration status and documents
- Responding to Office Actions
- > Forms to file
- Transferring registration ownership
- Enforcing your trademark rights

Tools & Links

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Find trademark application and registration data with TESS

File online

File forms for application, maintenance and other trademark processes with TEAS

View status & documents

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Trademark application and maintenance fees & payment information

Trademark Trial & Appeal Board

Resolve disputes regarding a trademark with TTAB

Assignments

Register changes to trademark registration information or transfer ownership with ETAS

MORE TOOL & LINKS



TESS

Search trademark database

Find trademark application and registration data



File online

File forms for the trademark application, maintenance and other trademark processes with TEAS



TSDR

View status & documents

Check trademark application or registration status and view documents with TSDR



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Assignments

Transfer (assign) ownership of a mark to another entity.



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- Security

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the patent application process and obtaining patent protection.

trademarks, the trademark application process and obtaining trademark protection.

General

Basic information about intellectual property and general topics concerning patents and trademarks.

Fees & payments

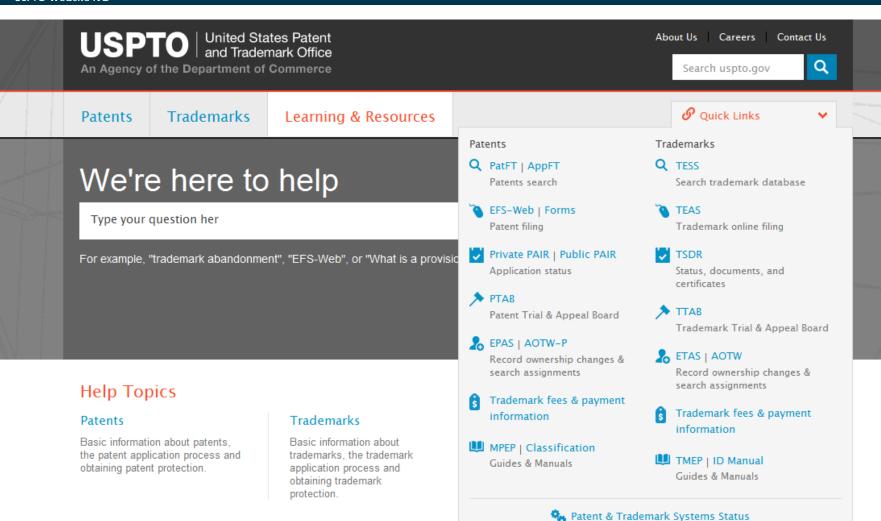
Information about patent and trademark application, maintenance and filing fees as well as information about paying fees online.

Transferring ownership / assignments

Help with changing the owner or owner's name of a pending application or registered trademark.

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General

Basic information about intellectual property and general topics concerning patents and trademarks.

Fees & payments

Information about patent and

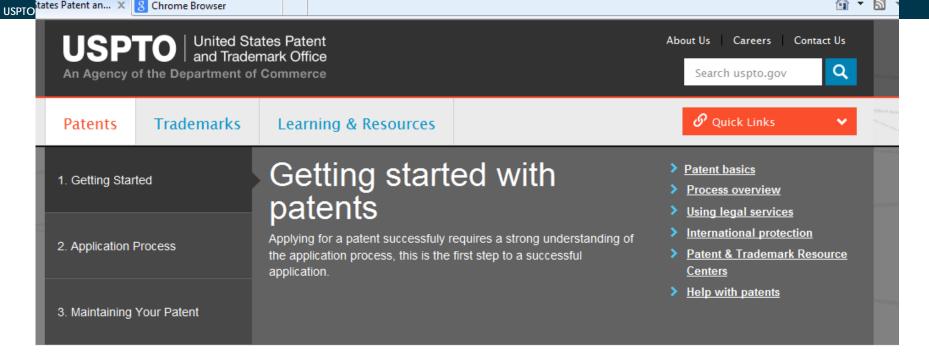
Transferring ownership /

> Status of public services

> Official Gazette

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List of global IP Office web sites and resources.

How do I protect my invention overseas?

List of global IP Office web sites and resources.

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Applying for the Green Technology Pilot Program

by David Kappos Revised Sept. 27, 2012

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Detailing the legislative history

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Supreme Court and Federal Circuit decisions

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Step 1

What kind of patent do you need?

Before you begin preparing a patent application, find out if you really need a patent or some other form of Intellectual Property protection. There are three general types of patents: utility, design, and plant. You might also want to consider to apply for provisional patent if you're short on time.

Definition of Patent

Utility Patent

Issued for the invention of a new and useful process, machine, manufacture, or composition of matter, or any new useful improvement thereof.

Definition of Utility Patent

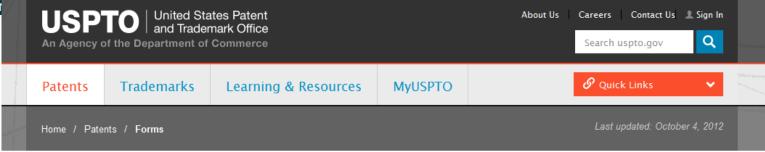
What is the difference between Utility Patent and Patent for Invention?

What is the difference between provisional and non-provisional patent application?



April 2013, USP Design Patent





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1. Getting Started

2. Application Process

3. Maintaining a Trademark

Getting Started with Trademarks

Before you apply for a trademark you should familiarize yourself with the basics. Determine if you need a trademark or another form of Intellectual Property protection.

- Trademark basics
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TEAS

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TSDR

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TTAB

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ETAS

AOTW

Assignments

Transfer (assign) ownership of a mark to another entity, change the owner name, search the assignment records



Laws & regulations

Domestic and internaltional rulemaking and law enforcement



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Learn when to pay application fees and maintenance fees

Design Phase Research Activities

| Card Sorting | Moderated Participants 16 | Online Sessions 88 | | |
|---------------------|----------------------------|------------------------------|--|--|
| Usability Testing 1 | Participants/ Sessions 16 | Business Observers 20 | | |
| Business Reviews | Review Sessions 26 | Business Reviewers 70+ | | |
| Usability Testing 2 | Participants/ Sessions 19+ | Business Observers 25+ | | |

Next Steps

- Governance model
- Working with other work streams through the project lifecycle
- Communications plan

Thank You!

Questions?