SHARON Co GRUBAUGH

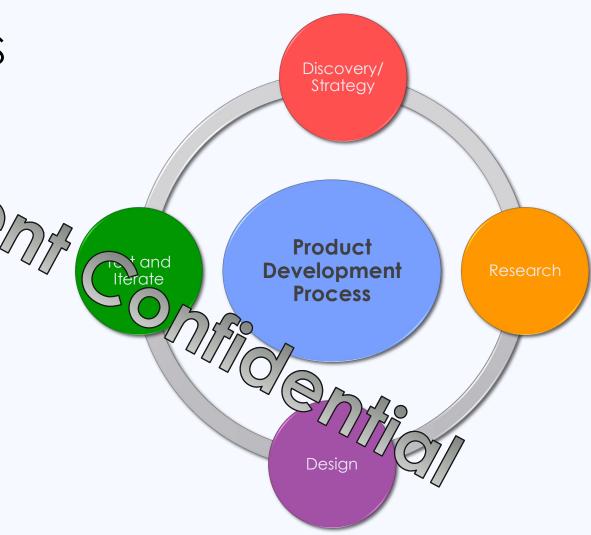
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USER RESEARCH PROCESS

My process is flexible and iterational lowing basic user research principles to roughout the product development process.

- Discovery/Strategy phase personas, journey mapping, surveys, interviews, contextual inquiries, ethnographic studies
- Research phase usability analysis, content audit, ethnographic studies
- Design phase card sorting, storyboarding, "Wizard of Oz" testing
- Test and Iterate phase heuristic evaluation, accessibility testing, usability testing



RESEARCH COMPETENCIES

My broad expertise and backgroun enables abilities that support me in communicating key concepts, developing solutions and strategies while balancing user and business needs to complete business objectives within the complex business enterprise space.

Workshop User facilitation, User Scenarios, Accessibility Interviews, Task/ Assessments Focus Groups Interaction Flows, Interaction Survey Design Flows, Task and Analysis Flows, Mental Model Usability Empathy Maps, User Journey/ Testing, Contextu Customer Heuristic Inquiries Experience aluations Mapping

Business Process Reengineering Project

Goal: Multi year project to modernize and streamline primary applications with the objective of improving the efficiency, effectiveness and satisfaction of the systems that support the overall process.

Key Processes:

- Discovery
- Research
- Test

Project Objectives

Functionality that emphasized parity along with reduction of critical points of pain for quicker roll out for an internal group with over 10,000 users.

- Integrate applications through a single point of entry
- Improve usability of applications and user satisfaction
- Provide method for patent employees to access web based provided applications
- Improve the current workflow and status of patent applications as they flow through the system
- Support telework and collaboration of users
- Promote a common behavior across all applications

Role:

- Lead leading team of UX professionals, planning work, and providing primary interface with stakeholders
- User Researcher on key design areas, facilitating user research

Primary Design Responsibilities & Deliverables:

Leading team of UX professionals to ensure products delivered on time

- Odlaborating with stakeholders to identify requirements and solutions
- Working with Sev team(s) and business owners in Agile environment
- Write user stories based on analysis and research into user needs
- Conducting user respect to gain understanding of user needs
- Designing accessible wireframes that integrated into the enterprise application through iterative process with developers and stakeholders
- Designing and facilitating regular usability tosts with end users

Legacy Systems

Older systems had frequent crashes and were not expandable for the 10k users where the on it every day.

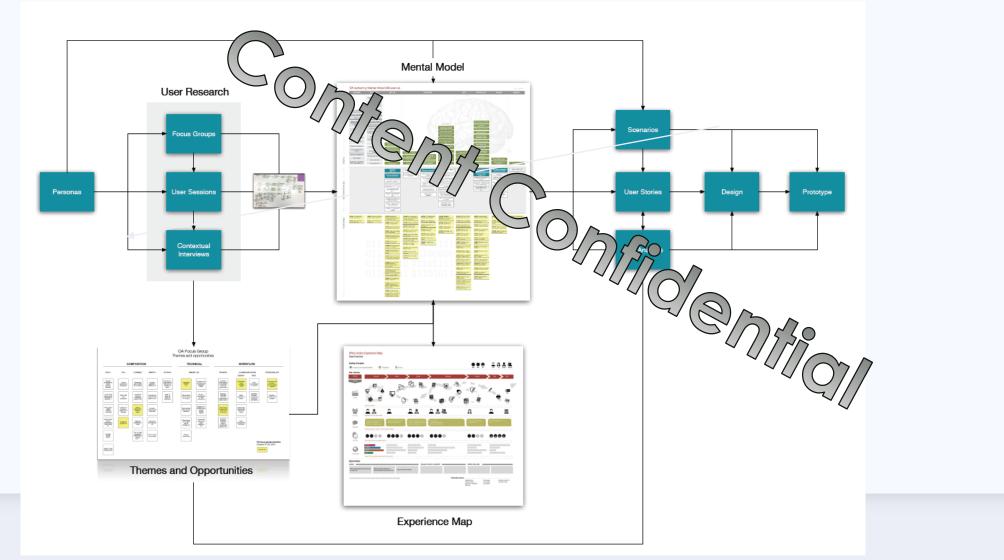
The system is comprised of 3 applications:

Old Client Server based system

Old Word macro based system

Old web based system

Overview of activities and products produced as result of research



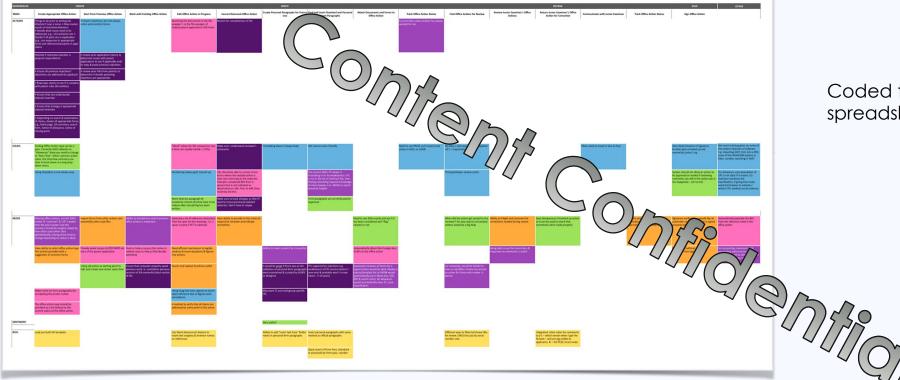
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Patent Examination System: Discovery Process

Mental model/Journey Map exercise



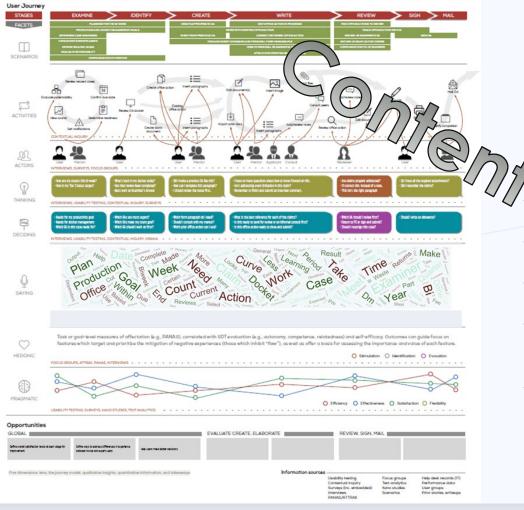
Mental model / Journey Map exercise



Coded the information within spreadsheets during analysis



User Journey Map



Created map based on analysis of the data collected to provide a holistic view and understand how core functionality fit together

Hsed data from user interviews and focus sessions.

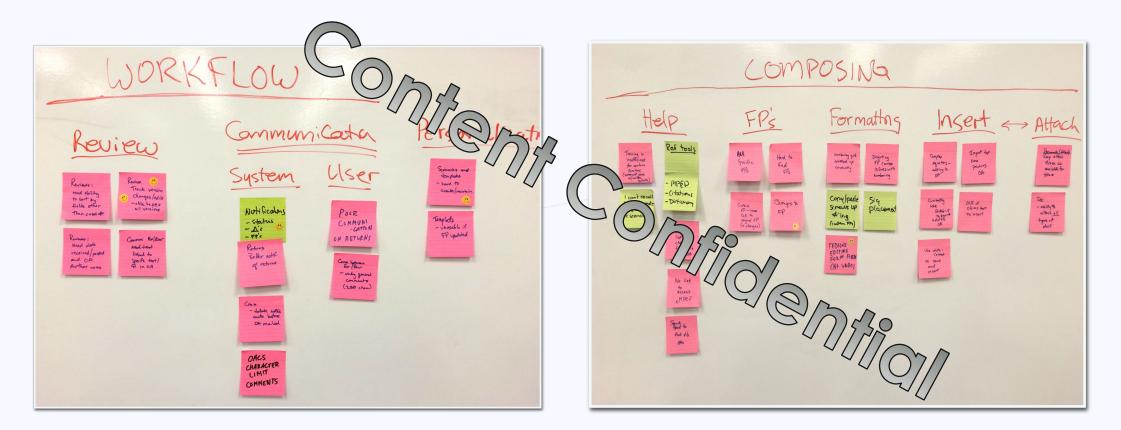
-St ge processes

- Actors 60 pte - Touchpoints

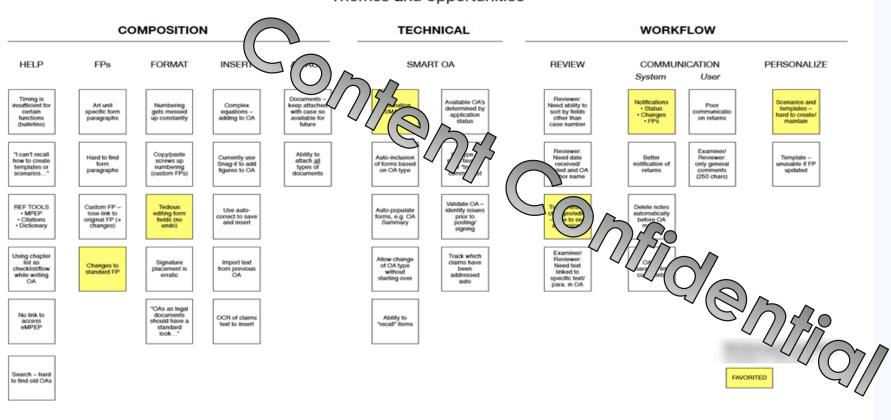
- Emotional aspects (Tex) decision making. Thinking)

- Potential Opportunities

Identification of Themes and Opportunities – analysis of results to identify commonality



Identification of Themes and Opportunities



Themes and opportunities

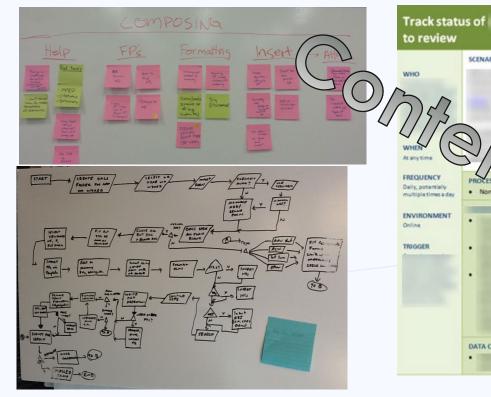
Research Process

Facilitated regular user sessions to drill down and document detailed process flows and scenarios

SCENARIO

to review

ENVIRONMEN



Detailed process flows provided a means to gain understanding and agreement on current system and user processes and decision points.

Scenario documents represented a robust understanding of a specific user task informed by a variety of user research activities

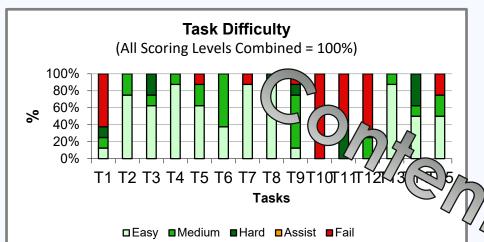
DATA CONSIDERATIONS

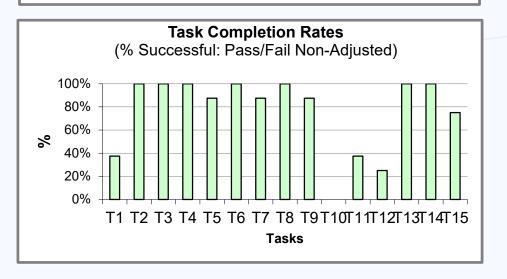
User session notes capte re feedback, task clarifications, and other insights that provides the valuable information to support design activities

ELIFWER

WHEN DOL EFRESHING CONSOLE AUT NOTIFICATION

Test Process/Results







- Facilitated usability sessions with users
- Collected and analyzed metrics around the usability studies such as:
 - Task Difficulty
 - Jask Completion rates
 - (A) e Time on Task
 - Syster / st bility Scale (SUS)
- Created record to ations for improvements based on the method of the test results
- Presented findings to stak h or to gain approval/direction
- Incorporated recommendations into new designs
 as appropriate

Website Redesign: Public Standards Organization

Goal: Project to modernize and streamline the website for a public standards organization to prove the efficiency of clients.

Key Processes:

- Discovery/Strategy
- Research

Project Objectives

Organize information to make it more findable and usable for clients

- Improve usability of website and user satisfaction
- Provide consistency and professional customer experience
- Deliver a personalized experience for clients
- Support collaboration between organization and clients
- Promote unique products and services

Design Role:

• Principal Researcher and Designer on key design areas, facilitating user research

Primary Design Responsibilities & Deliverables:

• Collaborating with stakeholders to identify requirements and solutions

Working with dev team(s) and business owners in Agile environment

- Write user stories based on analysis and research into user needs
- · On on research to gain understanding of user needs
- Creating v or viation architecture and content strategy for new website
- Creating wireframes
 Tr g yr is within website for use with new branding

Public Standards Organization: Discovery Phase

Discovery Phase

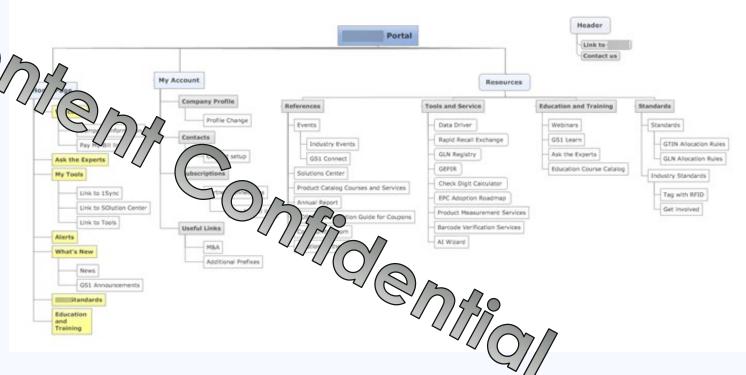
- Worked with marketing
- Held interviews with stakeholder
- Identified SWOTs:
 - Strengths
 - Weaknesses
 - Opportunities
 - Threats
- Created user profiles/personas for key system users



Public Standards Organization: Research Phase

Research Phase

- Facilitated workshops with oject team/stakeholders to under tand current processes and desired system functionality
- Audited content inventory to identify content groups and uncover metadata available for filtering and grouping
- Conducted workshop with stakeholders to gain insights on each stakeholder's mental model of the content organization which also sparked discussion and further refinement of requirements
- Revised information architecture to reflect content inventory findings and support the refined requirements



Usability Study: Design Validation

Goal: To test design across international clients, identifying design and usability issues and providing recommendations for implementation

Key Design Processes:

- Research
- Design Recommendations

Project Objectives

- Identify major themes for each alternative
- Determine the usability of major functionality
- Provide recommendation on design changes

Primary Research Responsibilities & Deliverables:

- Designing testing plan including identifying task scenarios
- Recruiting, screening and scheduling test facilities and participants
- · Andrizing test results
- Making recommendations based on results from data

Design Validation: Test Planning

The Testing Process

The usability testing process is

Participant greeting and b

Each participant will be person and relaxed. The participants v issue of confidentiality will be

statements.

Orientation

The participants will receive a This material will explain the p after the tests, and additional ir that the website is the center of in whatever manner is typical a they are being observed and via already completed.

Performance evaluation

The performance evaluation co sequentially. The individual p: observed by the usability speci

- After the orientation, the p facilitator will instruct ther
- After the participants begin without guidance. The fac the participant becomes stu
- the facilitator, and will help

Participant debriefing After all tasks are complete or

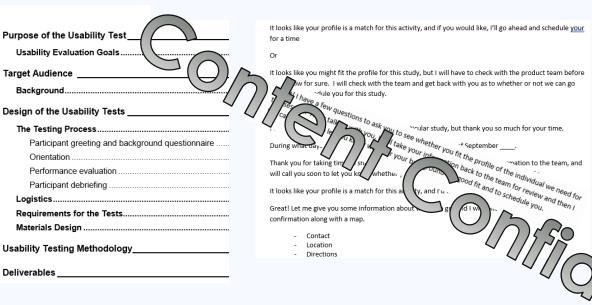
facilitator. The debriefing will

Test Planning

Document to define the testing process,

the required resources to complete the

plan and the testing schedule

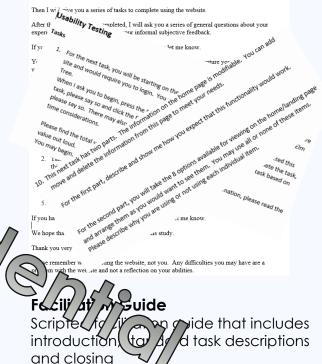


Participant Screening

Scripted screener for identifying qualified participants for the test.

The study should take around 60 minutes to complete.

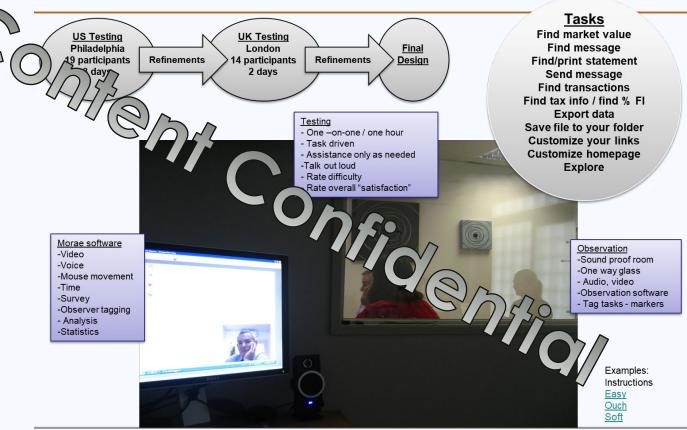
First, I will ask you some general questions to get some background information about you.



Design Validation: Testing Process

Study Background/Structure

- In person moderated test struct
- Used TechSmith Morae software to capture session data
- One-on-one sessions with 33 participants from US and UK
- Collected data on:
 - Task Difficulty
 - Errors
 - Time on Task
 - Completion Rate
 - User Satisfaction
 - Usability
 - Learnability

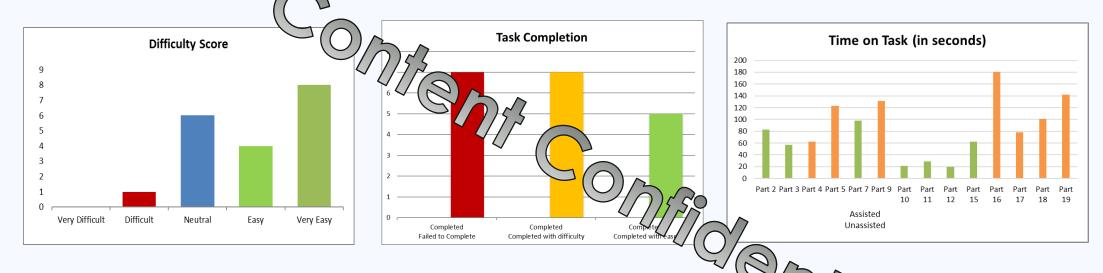


User Test Process

Design Alternative: Research Results for Single Task

Task 7 – Find tax information (gains/losses)

• Users clicked on Statements and but couldn't find tax info – information was in third level of navigation



Task Difficulty

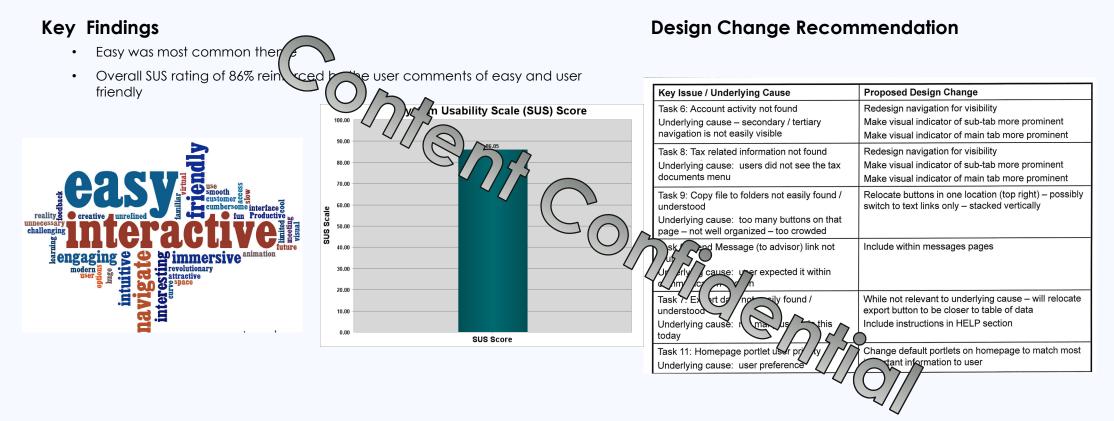
• Task difficulty was similar for many of the tasks, however, the key tasks of navigation and communication was easier for Design Alternative 1.

Task Completion

 Task Completion was much better for Design Alternative 2. However, some tasks were not completed for either alternative.

- Task tiller of greatly with 5 people never com let g ask so are not included
- Showing Assisted versus Unassisted

Design Validation: Key Insights, Findings & Recommendations



Thank you for taking the tinkets review!

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