Project: Motion

Market Opportunity

Colligo was a market leader in desktop Email Records Management High percetage of email is read and sent on mobile, iOS in particular Few competitors in the Email Records Mgt space Colligo had an established iOS app

Project Status

SaaS Platform as Foundation New Sync Engine Untested iOS Project Underway







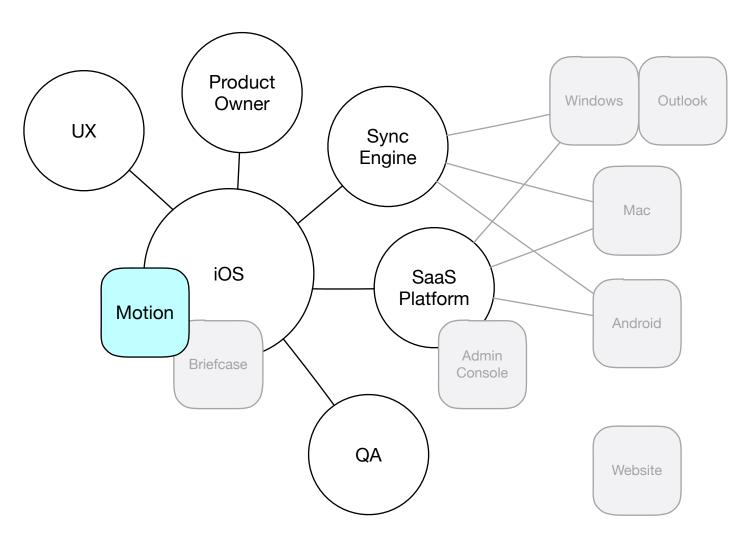
Company

My Role

UX Manager & Interaction Designer

Design Team

Myself & One UX Designer Portfolio of 8 Projects



Needs Identification

Objectives

File Email to SharePoint on Mobile iOS
Attaching Files from SharePoint when Sending Emails
Leverage the capabilities of the new Sync Engine
Authenticate and Configure centrally via the SaaS Console

Internal Interviews to Gather Assumptions

Product Management

- Roadmap
- Client Need

Sales & Marketing

- Target Market
- Evaluation & Purchase

Services & Support

- Environment
- Implementation

Engineering

- Technical Advantage
- Capabilities

Validation Strategy

Client Interviews

App Analytics

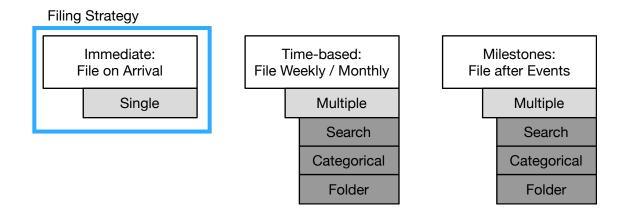
Support Ticket Review

Users & Journey

Target Personas

Legal: Lawyers & Legal Assistants

Sales: Reps & Contract Agents



Pain Points

Finding the correct Folder for Filing Entering Metadata

Quirks

Users navigate to the filed folder after filing to verify
Users navigate to folders to verify synced status

Client Interviews

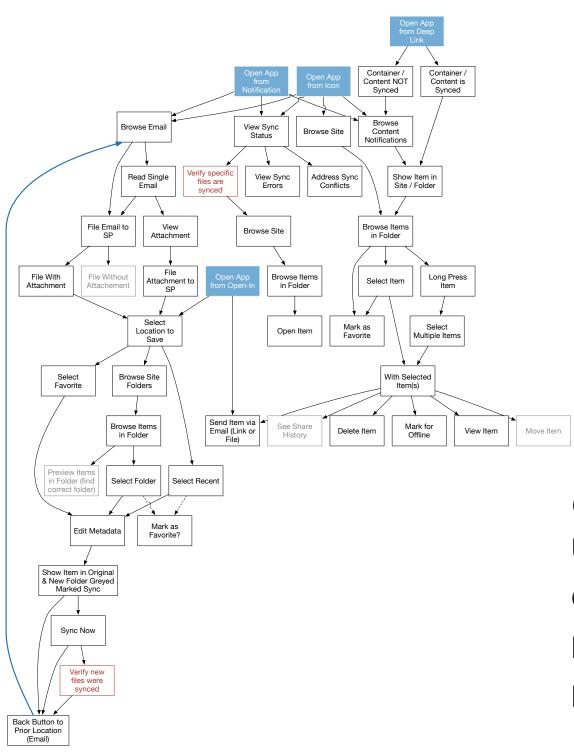
Interview Opportunities

Product & Sales historical interview notes

VIP program of scheduled interviews with IT and Records Mgrs

Ongoing Goals

Validate assumptions about end-users, process, environment Discover contextual elements, user knowledge, existing tools Participatory design and design validation with wireframes

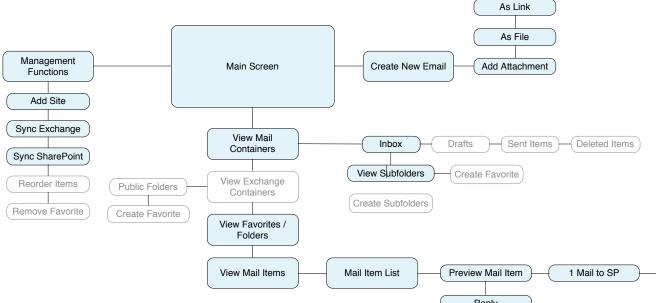


Task Flow

Goals

Understand the Process
Clarify Order of Operations
Define Critial Path
Highlight User Needs &

Identify Gaps



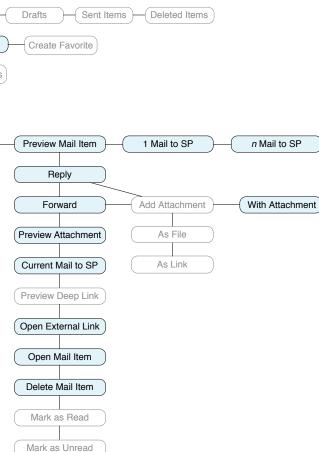
Information Architecture

Goals

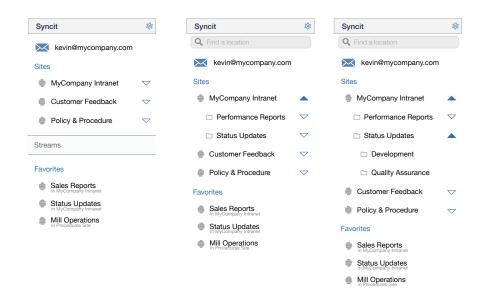
Simplify options

Make tasks accessible from appropriate screens

Identify interface challenges

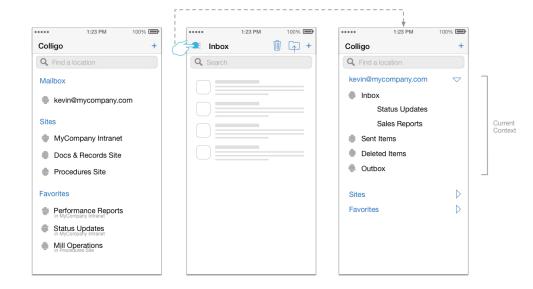


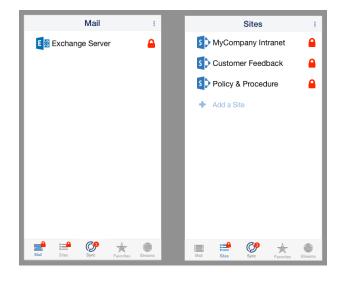
Wireframing



Focus on Challenges

Access to Top Level Elements Email, File System, Favorites Navigation of the File System Multi-context Authentication





Usability & Participatory Design

Ideation & Usability

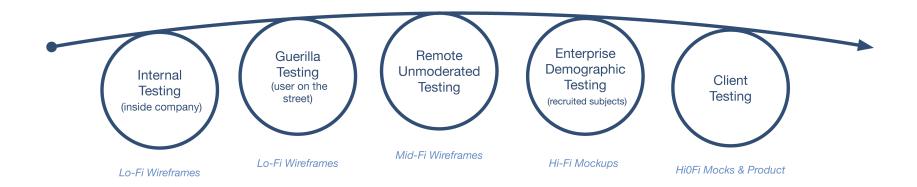
Continuous interface evaluation ensures fresh ideas and challenges are coming into the Design process

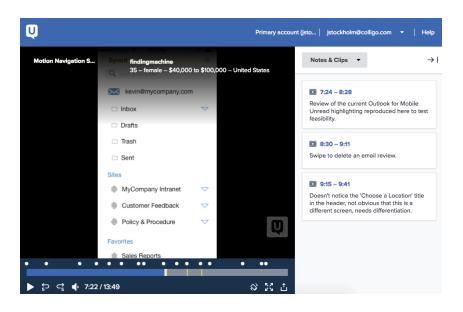
User evaluation isn't just about usability and task KPIs but also discovery of missing concepts from being too close to the design

Design & User Resources

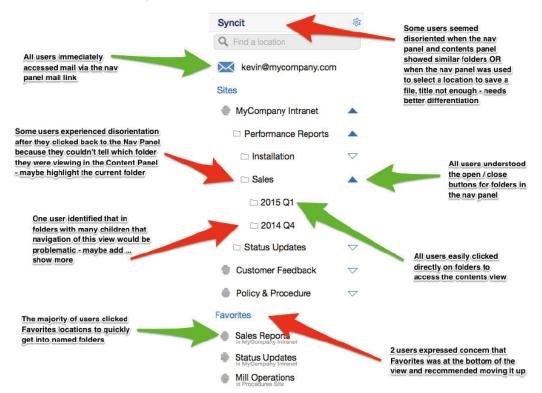
Investment in User Evaluation costs money or time

Known resources like clients can get burnt out or consumed and become unusable





UserTest 15-04-24 Navigation View



Remote Testing

Goals

Baseline usability with existing apps

Idenfity usability issues and knowledge gaps

Iterate to improve task completion & time-on-task

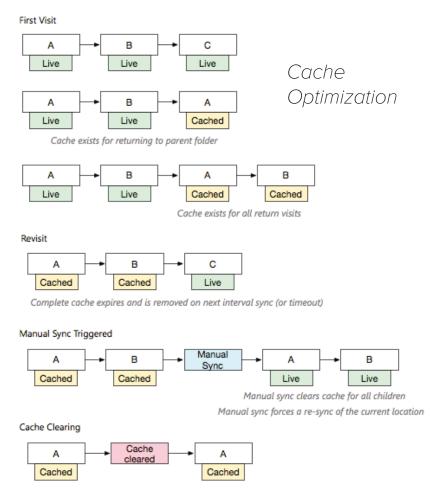
Demonstrate UX value to Product and Engineering

Mentorship

Test introduction
Script writing
Evaluation & Write-up
Iteration & Solutioning

Internal Challenges

User Navigation

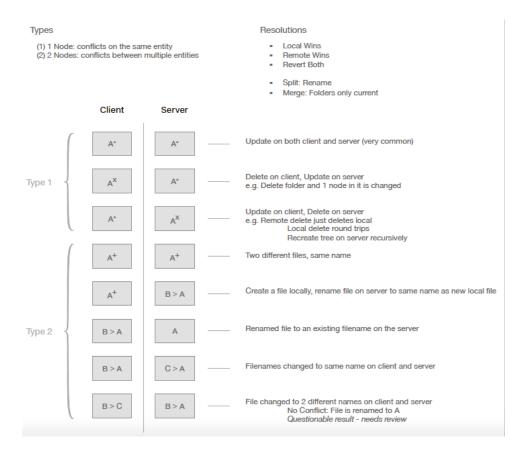


Cache will need to be retained if the user is currently viewing / paging in a location

Workshopping & Alignment

Issues arose between internal teams

UX ran workshops and alignemnt sessions with visual presentation



Sync Conflict Mapping

Design System

Goals

Brand Identity

Design Consistency

Interaction Patterns

Reduce Design Involvement

Actionable Specifications

Process

Brand Guidelines Rework

Research Design Systems

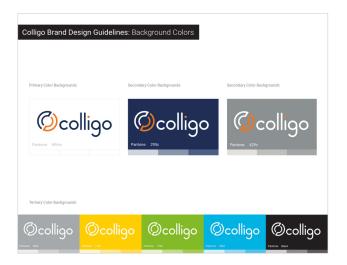
Target Obvious Patterns

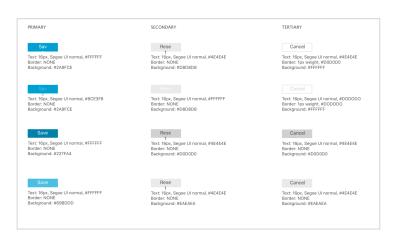
Button Styles

Common Dialog

Authentication Path

Upload Flow







Dialog Patterns

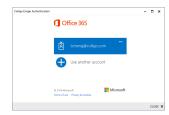
Authentication windows

These are kept plain and do not include the Colligo icon, this is because it would double up on "Welcome" and 'Sign to Colligo Engage' windows.









Information windows

Colligo logo and header text are slightly smaller than the 'user action windows'.















User action windows

These windows require an action from the user. Collop logo and header text are consistantly the same size













Additional windows

These windows require there own unique styling. However the Colligo information window is consistant in logo text size as per the information windows.







Prototyping

Interactive Flow

End-to-end Evaluation Information Architecture Interaction Design

Select Filing Location







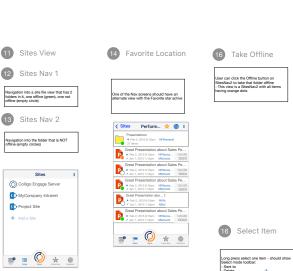


Specifics

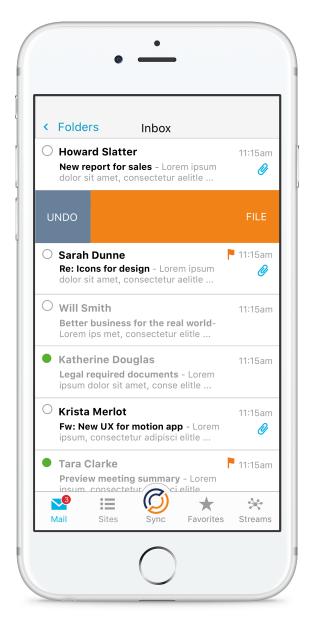
Tab Bar Navigation

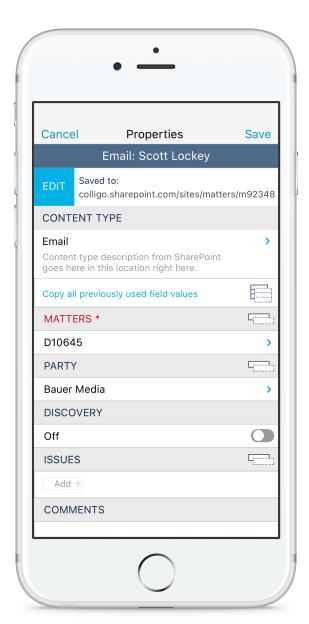
Filing Ease-of-use Features

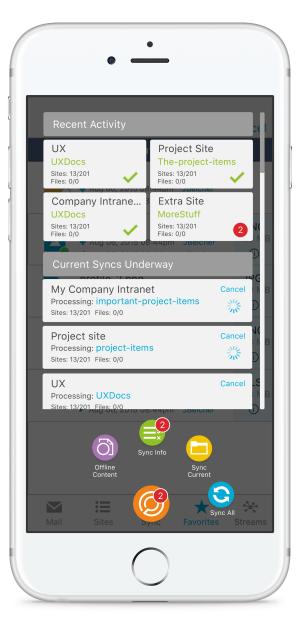




Result







Critical Problem

Environmental Constraint

Microsoft had just bought Acompli and integrated it with Outlook IT Mgrs relied heaily on Outlook integration
Users primarily used Outlook in enterprise email

Feature Set Challenge

Outlook offers: Contacts, Calendar, Tasks, Exchange folders, etc. Motion offers Mail Only

The Pivot

Revealing the Issue

Reporting interview results

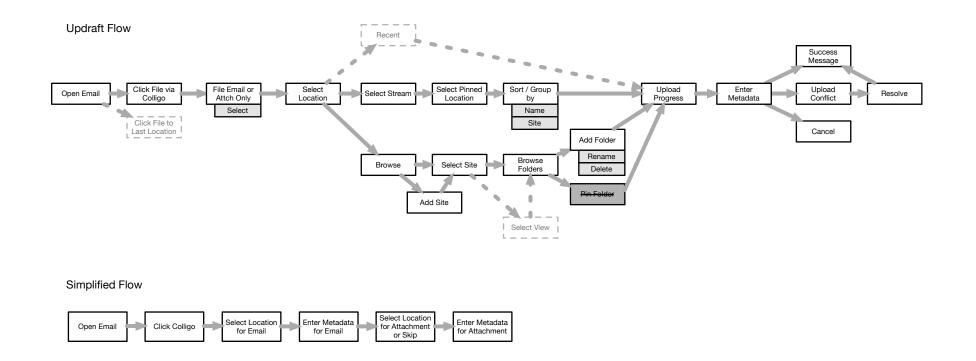
Consensus with Product Mgt

Exposing pervasiveness of problem to Engineering

Alternatives

Companion App

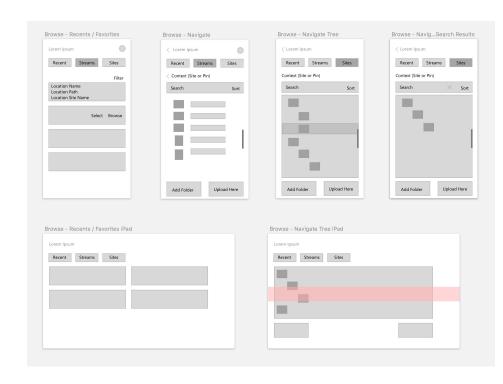
Outlook Integration



Project Rework

Redesign

Only a single email upload
Responsive to ALL platforms
Add-on opens and closes



Proof of Concept

Initiation

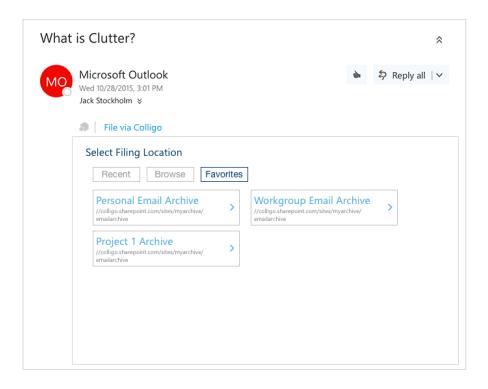
Client-driven Request

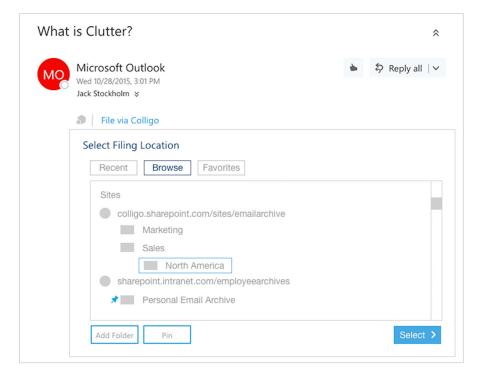
Design and Implementation in One Month

Validation

Client Exposure

Remote Unmoderated Testing



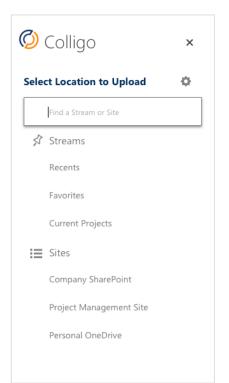


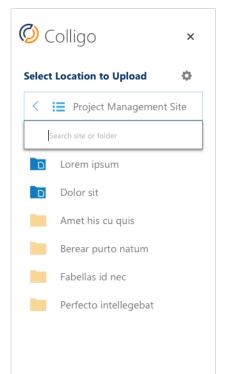
Product Release

Development

Product & Design negotiated a specification document for offshore development

Product was completed in 3 months

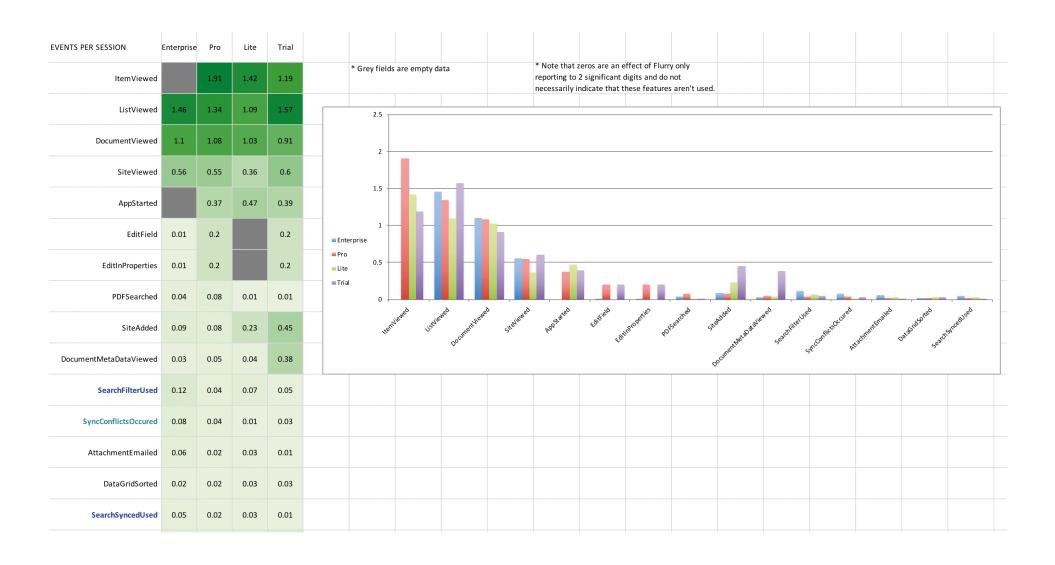








Analytics



Persona Example

Field Service Engineer - Power





Work Environment

- · Overtime work
- Night work
- "I have been exposed to a wide range of protective relays and applications"
- 4-10 years same company
- Works in groups on site

Sites

- · Power generation
 - Substations
- Hospitals
- Data CentersMines, Oil wells
- Ivilnes, Oil wells

Tasks

- Installation
- Maintenance
- · Testing Installed Systems
- Critical Systems Work (high availability)
- Time Management
- Customer-based technical assistance
- · Shutdown Management
- · SAFETY work practice
- Quality Control
- Training Junior Techs
- · Program and test relays
- Fault Analysis
- System Design?

Average Age: 34 Gender: All Male

Education

- BCIT Electrical Engineering B.Eng. / BSc Bachelor / Diploma
- Power Engineering
- · Journeyman / Apprenticeship Electrician
- Skills courses: Transformer Design, HV Testing, Power System Safety, Protective Relays, OSHA / Worksafe BC
- First Aid Cert
- · Electrical Technologist
- Industrial Training
- Codes & Standards

Certifications

- FSR-A High Voltage
- First Aid
- Red Seal Class 'A' Field Safety
- Certified for voltage class (eg. 24V to 550kV)
- Ironworkers Red Seal Journeyman

- Group Work
 - Led by a supervisor on site
- Extensive Ongoing Education
 - Electrical Engineering
 - Power Systems BS
 - Trade School
 - Certifications & Renewals
 - Apprenticeship & Mentorships
- All Male
- Safety Procedure is Primary Concern
- Mostly mid Career, lots of junior apprentices on site
- Still a lot of machismo & peer pressure
 - Eschew safety protocols
 - Don't double check written info if they are expected to know it
- Highly innovative at subverting control & monitoring processes
 - Part of the social contract
 - · Helping each other subvert
 - · Looking the other way to violations
- Resistant to change
 - They all learned things in their way
- Overworked and tired, long days
- Pressure to get the job done quick and cheap
- Generational Issues less a factor, everyone uses consumer phone / tablet apps