Form Extraction and Management

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UALBANY SHOWCASE

PROBLEM STATEMENT

- Email submissions of PDFs can get unorganized or lost on both ends.

- Paper vs digital submissions prevent a unified storage solution.

- PDF generating software can be expensive to purchase and download

- Some responders may prefer paper submission, and some digital.

- Secretaries often have to enter results manually into a database.

OBJECTIVES

- Forms can be viewed, edited and submitted by paper, the mobile app, or the desktop app. Regardless, submissions are converted to the same data and sent to the same place.

- All results will be stored on the sending user's computer, in the same place they sent the form from!

- All submissions will be converted to a pdf with fields filled in, and an excel sheet is generated for each form, one row for each response.
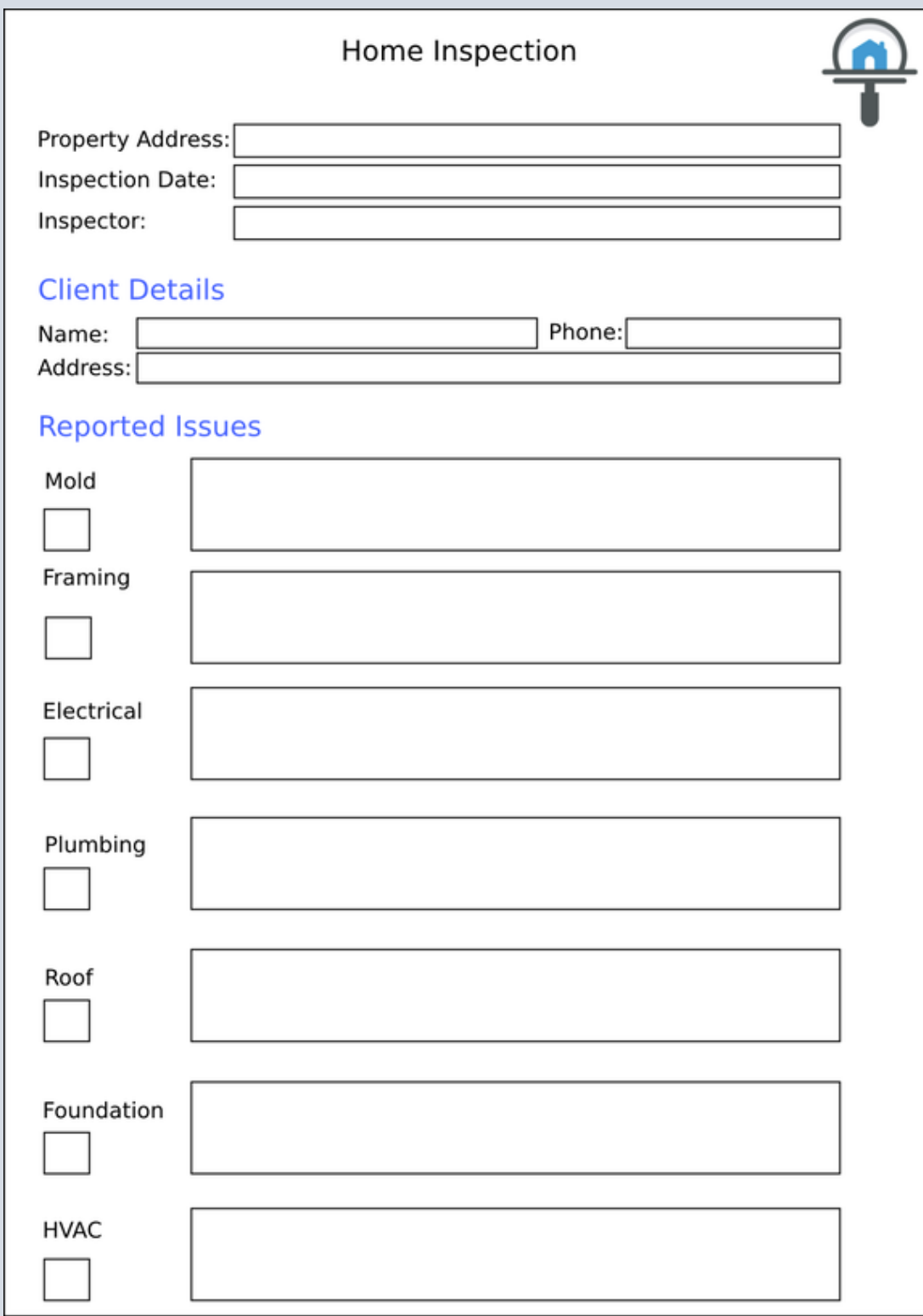
DESKTOP PROCESS (ORGANIZER)

DESKTOP PROCESS (Send forms)

1. Create or upload existing document to send

2. Create a name and set a deadline

3. Send to users or group of users

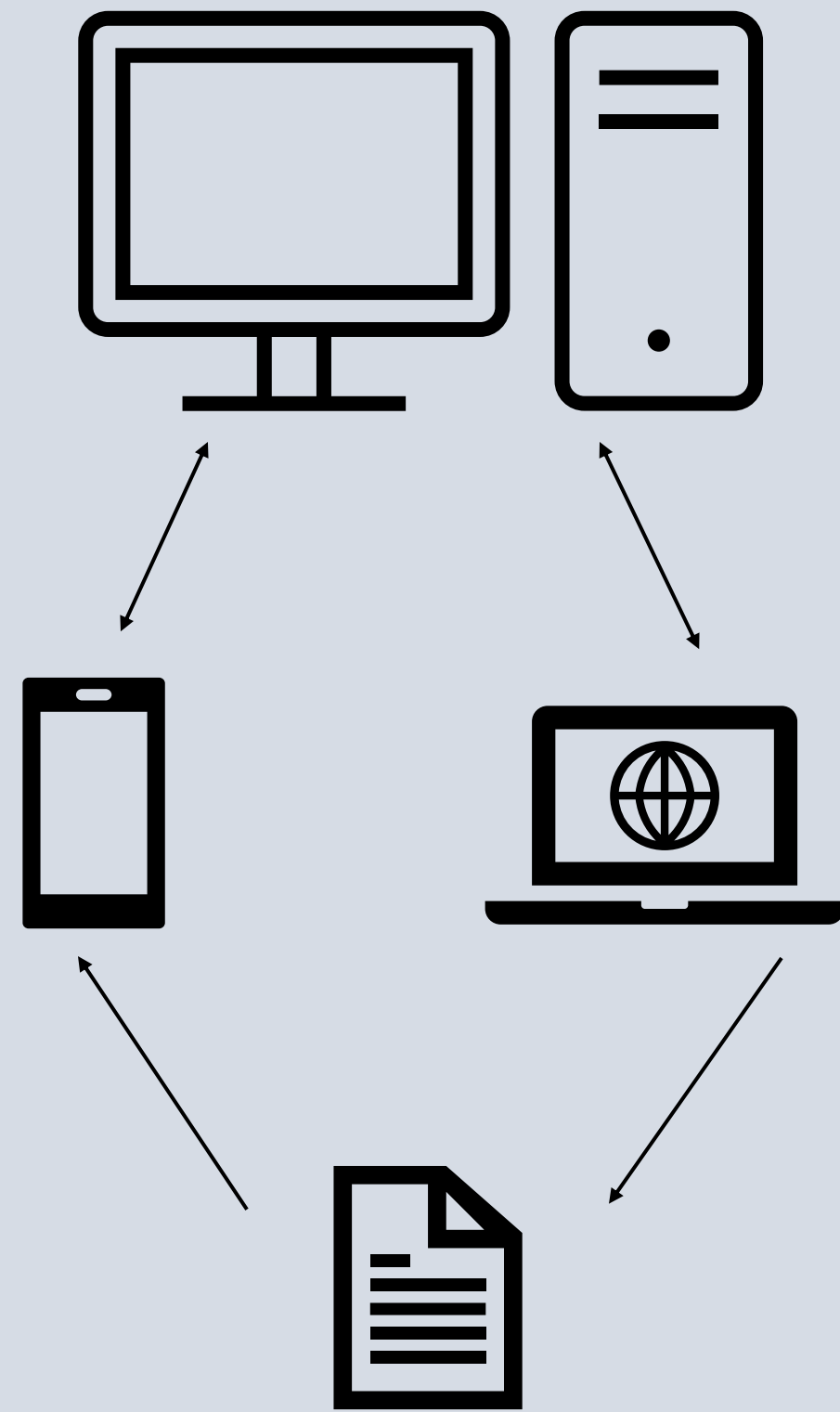4. View responses as a table, or as filled pdfs

	A	B	C	D	E	F
1	Address	Date	Inspector	Client Name	Client Address	Client Phone
2						
3	42 Mill Road	1/4/23	Robin Atwood	Amber Roslyn	16 Cherry St	555-284-778
4	11 Hay Ln	12/18/22	Mike Hamilton	Carlos Amana	1087 Express Drive N	555-294-339
5	14 Willow Ct	2/11/23	Sal Fiore	Amanda Fuller	7 Hamon Ln	555-308-372
6	18 Jerry Drive	4/1/23	Mindy Smith	Jeremy Till	1 Pond Path	555-829-1918

APPLICATIONS

1. **INSPECTION REPORTS**: A company sends employees out to homes to perform an inspection. They can fill out their company report and immediately send it into their company file system where it will be arranged into a table and a viewable PDF.

2. **MEDICAL FORMS**: Patients can opt to fill out forms electronically or on paper. Staff can easily scan paper responses into the system.

3. **ACADEMIC TRANSCRIPTS**: Secretaries can upload transcripts into the system to be parsed and organized for comparison.

MOBILE PROCESS (USER)

1. **View available forms**
2. **Enter or scan responses**
3. **Verify & Submit**

Our AI will convert responses on paper to an electronic format. We project a 2d coordinate grid over the image, and then convert handwritten letters to computer text, and recognize a check box as selected by counting pixels over a certain area.

USER STORIES

As a user, I can join an organization
As a user, I can respond to my forms
As a user, I can scan a paper form
As a user, I can view form deadlines

As an organization, I can create groups
As an organization, I can create forms
As an organization, I can send forms
As an organization, I can view responses
As an organization, I can view a table