New Ideas and Prototypes

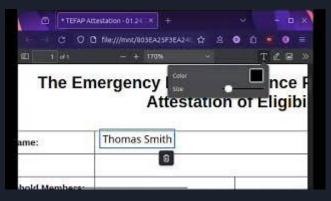
My In-Person Interview with Lloyd, MS Forms is difficult

During the interview, Lloyd informed me that the Microsoft Forms idea would be difficult to implement because the TEFAP form changes frequently, and it would have to be manually converted by hand into a digital form every time.

I have two ideas on how to create a digital form system that can adapt to different PDFs.

Idea 1: PDF Editor

The Firefox browser has an excellent PDF editor built-in. Because this PDF editor is open source, it could be modified to make it easier to use on mobile devices and reduce the number of buttons to just what is needed to fill out the form.



Office of General Services Food Distribution The Emergency Food Assistance Program (TEFAP) Attestation of Eligibility								
Recipient Name:								
Address: *								
Total Household Me	mbers:							
OPTION 1: Catego participates in any of the OPTION 2: House your household, you as	e following pri hold Income:	ograms: SNA If your gross	AP, WIC, TAN	IF, Medicaid, ehold income	or SSI.			
Household Size	1	2	3	4	5	6	7	8
Annual Income For each additional fan	\$33,885	\$45,990	\$58,095	\$70,200	\$82,305	\$94,410	\$106,515	\$118,620
The recipient This food is fo The recipient Recipient Signature	r the recipient is aware of the	's home cons	sumption only	, and will not I	be sold, traded,	or bartered.		ite (required)
necipieni orginalure	(opeional)							ne (required)
USDA Nondiscrimina In accordance with fed is prohibited from discr disability, age, or repris	oral civil rights minating on fi	law and U.S ne basis of ra	ce, color, nat	ional origin, si	(USDA) civil ri ex (including ge	ghts regulation inder identity a	s and policies, nd sexual orier	this institution station),
Program information m communication to obta responsible state or los contact USDA through	n program infi al agency that	ormation (e.g.	Braille, larg the program	e print, audior or USDA's TA	ane. American	Sign Language	e), should cont	act the
	mination comp	olaint, a Com	plainant shou	id complete e				
To file a program clean Form which can be obt 0002-508-11-28-17-au must contain the comp sufficient detail to infor The completed AD-300	2Mail.pdf. from ainant's name in the Assister	n any USDA n address, te nt Secretary f	office, by call lephone num or Civil Rights	ing (866) 632 ber, and a win (ASCR) abo	9992, or by wi	SDA-OASCR! ting a letter at of the alleged	dressed to US	DA. The letter

Idea 2: Scanning PDF for Inputs

The TEFAP forms contain text that a computer can read. Because of this, it might be possible to create a tablet app that reads the text in the PDF and automatically finds inputs. This would use the open-source "Poppler" library to read text. All lines that are followed by a colon will be considered inputs. The signature and date inputs don't contain any colons, so these would be detected using the words "Signature" and "Date" (the code would also need to include "Signature" and "Date" in other languages).

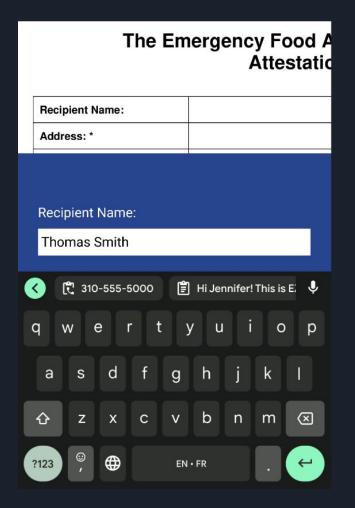
```
The Emergency Food Assistance Program (TEFAP)
Attestation of Eligibility
Recipient Name:
Address: *
Total Household Members:
☐ OPTION 1: Categorical Eligibility: You are categorically eligible to
receive USDA Foods through TEFAP if your household
participates in any of the following programs: SNAP, WIC, TANF, Medicaid, or
SSI.
□ OPTION 2: Household Income: If your gross annual household income is at or
below the amount listed for the number of people in
your household, you are eligible to receive USDA Foods through TEFAP.
Household Size
Annual Income
$33.885
$45,990
For each additional family member add $12,105.
345678
$58,095$70,200$82,305$94,410$106,515$118,620
☐ By checking here, you attest that the following is true:
1.
2.
3.
4.
The recipient's name, address (*to the extent practicable) and household size
provided above is correct.
```

The recipient resides within New York State (there is no minimum length of

residency required).

Scanning PDF for Inputs Prototype

Here is a prototype made in Figma that shows what the interface for this program might look like. For each input that the program finds, it will zoom in on that part of the PDF, then have a text box below for input. The user would be able to drag their finger along the pdf part of the screen to pan it and read text that might be cut off.



Thank you!