TextCensor - App to censor text in photos

[Inspiration]

Everyday, we have some information we want to share.
We want to share we visited a place, our new friends and cool events. We want to share the details, to be helpful and useful to our social group.

However, we also want to respect the privacy of the individual.
As more attention is paid to privacy, there will be a higher demand for solutions which offer privacy to the user to protect themselves.

The TextCensor app offers users the ability to easily redact sensitive information from their photos, before sharing them, like the FBI. By using HiAi OCR, the app automatically detects lines of text and the user can censor them with a tap.

This app is especially targeted to women in the age group 25-35, where privacy in the workplace is important, and they want to bring the benefits of privacy to their private life, like lawyers, doctors and special service agents.

Market Analysis

Editing with the built in Gallery app
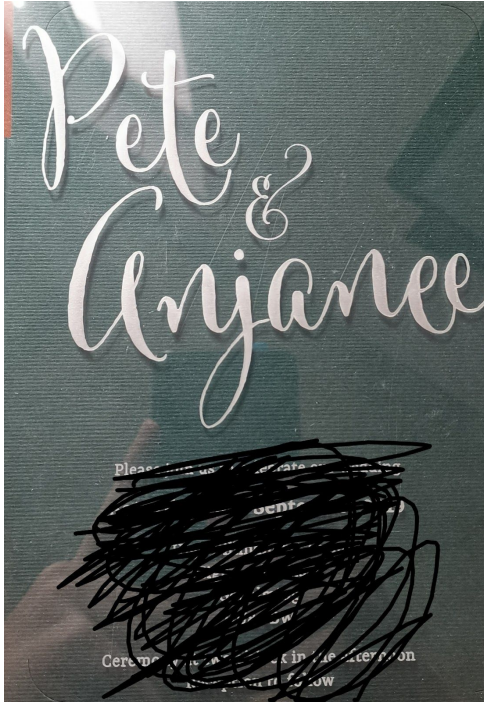
The app is an improvement to the currently offered solution by the built in photo editing app, which does not utilize OCR to help with redacting text. You have to scrawl over each line with Graffiti, using a fat finger to cover up the text.
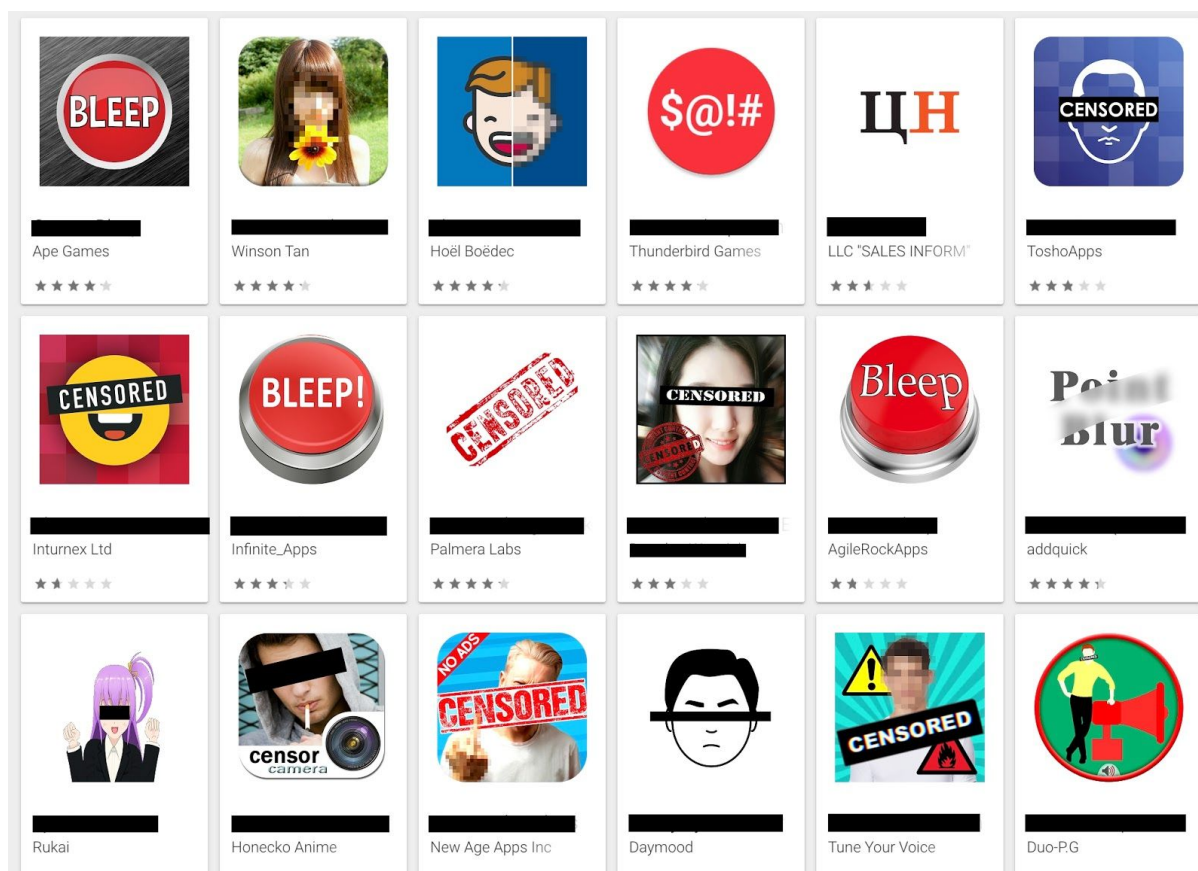
[Image censored with the CensorText app]

Above is the first page of apps on google play for the keyword 'censor'.
1st Row: TV censor sound, face blur, face blur, censor sound, news from ukraine, face censor,
2nd Row: face censor, censor sound, censor stickers for photos, face censor, censor sound, photo blur,
3rd Row: eye censor bar, face censor, censor stickers, eyes censor, censor stickers, censor sounds.

None of the apps offer OCR to censor text on an image, they focus on the sound or face.

OCR Apps
OCR apps offer the function to convert an image into text. This is not ideal when the graphic design element is important in the picture, like a wedding invitation, as a lot of information is lost.
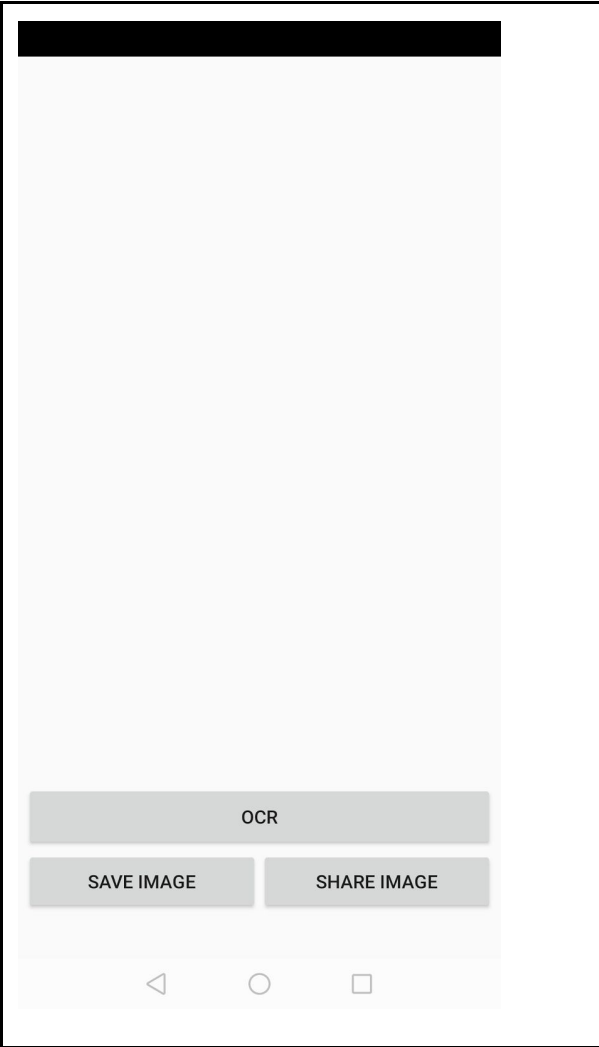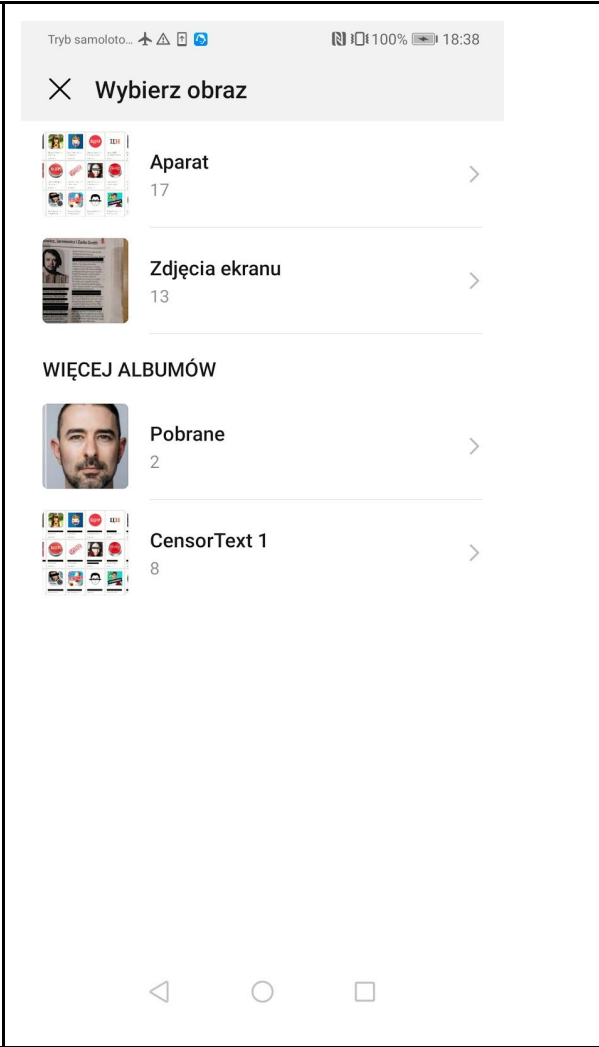
As of writing, the authors were unable to find an app which censors text with OCR and saves the redacted image.

App Functionality

The user can...
- Load any photo from their gallery
- Detect text in the picture
- Redact chosen line by tapping on it
- Undo redaction by tapping it again
- Save redacted image to gallery
- Sharing redacted images via Huawei Share.

Demo

OCR SAVE IMAGE SHARE IMAGE	Tryb samoloto... ✈ ⚠ 🔋 🔄 🅽 📶 100% 🔋 18:38 ✕ **Wybierz obraz** **Aparat** 17 › **Zdjęcia ekranu** 13 › WIĘCEJ ALBUMÓW **Pobrane** 2 › **CensorText 1** 8 ›
Home Screen	Pressed OCR, select an image.

...owicz, Jarniewicz i Zadie Smith

społecznościowych stała się jej obsesją i kosztowała ją uzależnienie od Facebooka. Tak jak w pierwowzorze szybko okazuje się, że Laura prowadziła podwójne życie. Czy zamordował ją nauczyciel fortepianu, a może, o zgrozo, brat Mii, drugi szkolny pedagog odreagowujący kryzys wieku średniego i małżeńskie problemy nazbyt bliskimi kontaktami z podopiecznymi? Rozwiązanie zagadki będzie znacznie bardziej zaskakujące, choć obędzie się bez czarnej chaty i sił nadprzyrodzonych.

...órzy jeszcze się nie domy-
...ormuję, że Lubecki wypo-
...dzia w biografię Jarosła-
...zkiewicza. Ale tym, któ-
...eliby czytać ten zgrabnie
...y debiut jako satyrę na
...izm PRL-owskich intelek-
...w (choć i tak można), szy-
...ryżują jej ostentacyjna li-
...ść. Do myślenia daje to,
...asz Mann jest w książce...
...ańskim dyplomatą, a So-
...ci spotkał w młodości...
...a von Aschenbacha, czyli
...wego sobowtóra Manna.
...inaczej portret Sokołow-
...- fantazjującego wciąż
...ej śmierci w różnych, czę-
...potliwych sytuacjach - jest
...odny, ironiczny, a zara-

Choć autor kryminału **J.K. Jo-hansson** nie istnieje - to tylko pseudonim, pod którym ukrywa się zespół fińskich autorów - kryminał napisał sprawnie, dbając o psychologiczną prawdę. Miia nie jest idealna, prowadzi bardzo swobodne życie erotyczne, a do tego zmaga się z rodzinną tragedią - jej siostra zaginęła przed laty w podobnych okolicznościach jak Laura. Wkrótce dwa kolejne tomy trylogii i wersja filmowa.

Czarny humor dla dzieci

Zachwycające, plakatowe ilustracje

[OCR]

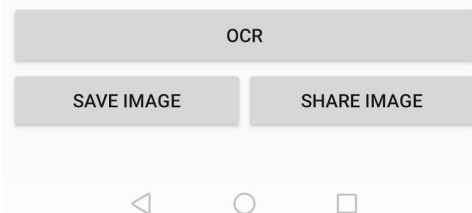[SAVE IMAGE] [SHARE IMAGE]

Left caption:
Image Loaded.
Text automatically bounded with a green box.
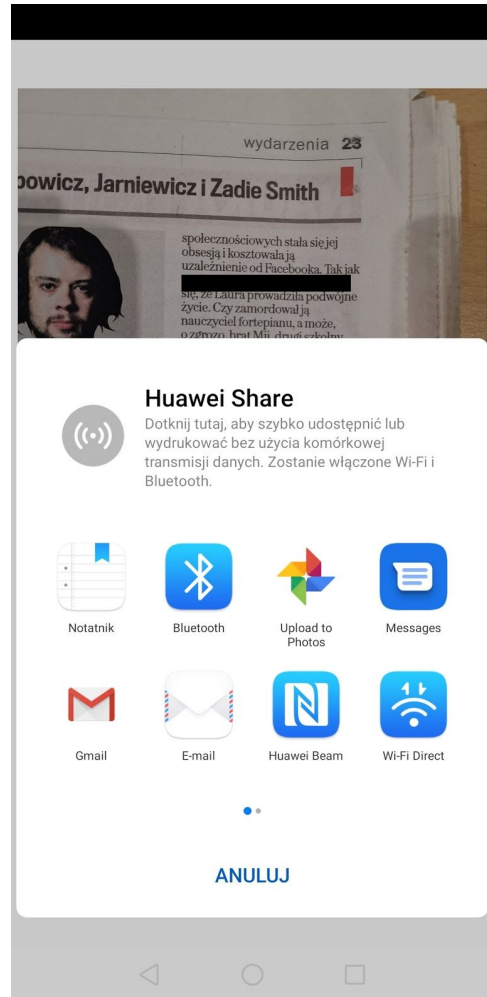
Right caption:
Tapping a box fills it with black, censoring the text.
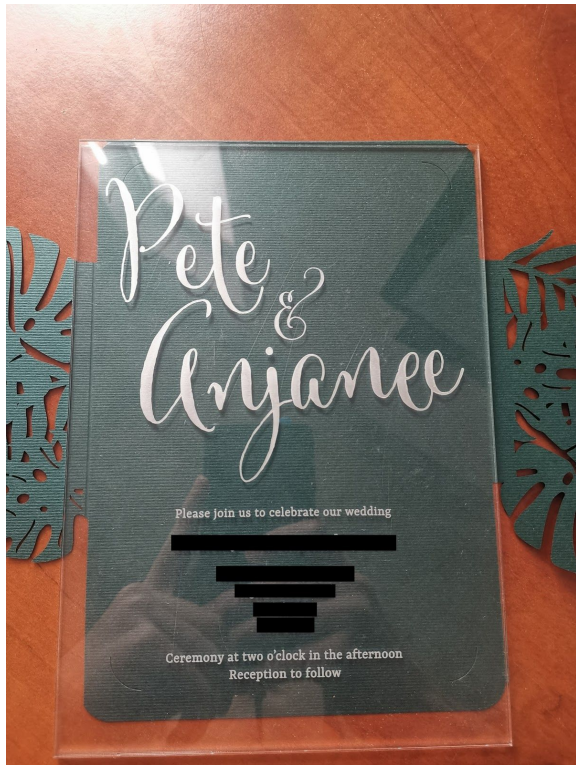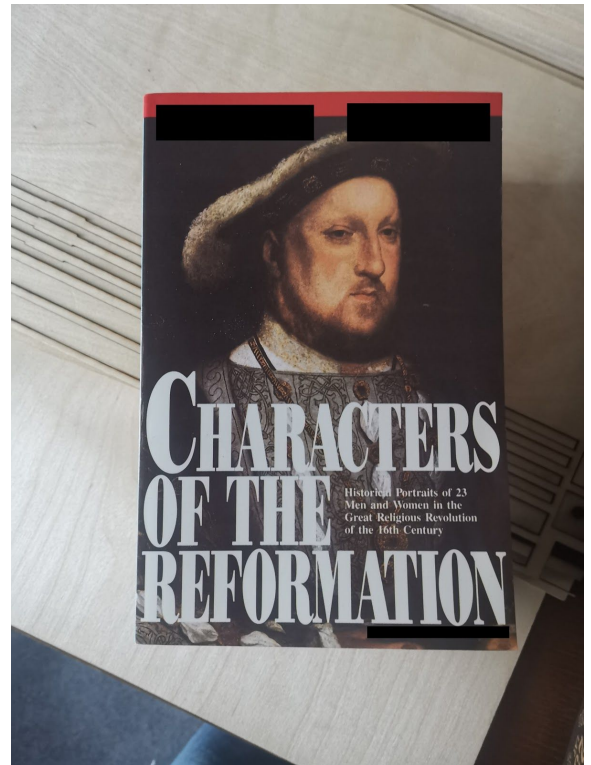Tapping again clears the box
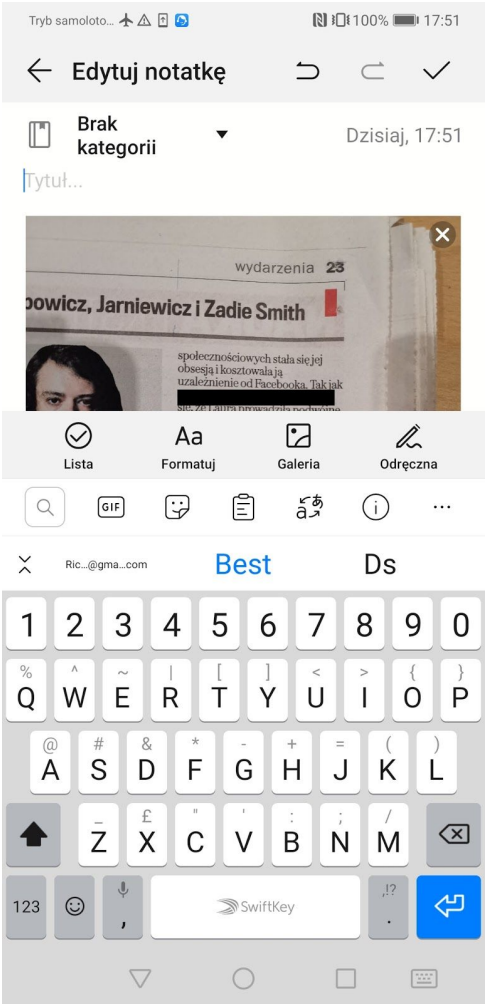
Saved Image has no bounding boxes.

Share image from within the app.

Shared image from the app has no bounding boxes.	

Examples

Pete & Anjanee Please join us to celebrate our wedding Ceremony at two o'clock in the afternoon Reception to follow	**CHARACTERS OF THE REFORMATION** Historical Portraits of 23 Men and Women in the Great Religious Revolution of the 16th Century
Works on Wedding Invitations	Works on Book Covers
Filter definitions by topic *noun* 1. a particular item or object. "small household articles" Similar: 2. a piece of writing included with others in a newspaper, magazine, or other publication. "an article about middle-aged executives" Similar: *verb* BRITISH bind (a trainee solicitor, architect, surveyor, or accountant) to undergo a period of training with a firm in order to become qualified. "he was **articled to** a firm of solicitors in York"	I ♥ Pizza ...ium PIZZA
Works on Screenshots	Kinda works on Pizza Boxes.

Future Improvements:

- The user could choose their color of reductions.
- Add face detection with HiAi face detection
- Enable zoom in on image, to easily tap smaller text

App by Shailesh, Taimur and Richard