Interviews Notes

P1

| Receive a lot of handwritten assignments every semester | Need to digitize responses to archive, check plagiarism | Handle messy handwriting, academic jargon | Batch processing of student submissions | Most OCR tools aren't trained on Arabic scripts |

P2

| Take handwritten lecture notes in Arabic | Want to convert notes to digital text before exams | Work well even if notes are messy or written quickly | Apps misunderstand many words due to unclear handwriting | No apps explicitly mention Arabic handwriting |

P3

| Need digitized notes for thesis | OCR apps confuse me shorthands & abbreviations |

P4

| Digitizing crucial for preservation & searchability | Work with old Arabic handwritten letters, official documents | Support older handwriting styles | Bulk processing for archives | Historical handwriting styles hard to interpret |

P5

| Recognize casual notes/short phrases | Casual handwriting isn't neat, OCR struggles | No apps explicitly mention Arabic handwriting |

Accuracy Improvements

Archivists as users

Digitizing crucial for preservation & searchability

Work with old Arabic handwritten letters, official documents

Recognize casual notes/short phrases

Support older handwriting styles

Work well even if notes are messy or written quickly

Handle messy handwriting, academic jargon

Handwriting Quality

Students as users

Take handwritten lecture notes in Arabic

Need digitized notes for thesis

Want to convert notes to digital text before exams

Apps misunderstand many words due to unclear handwriting

Historical handwriting styles hard to interpret

Casual handwriting isn't neat, OCR struggles

Batch Processing

Batch processing of student submissions

Bulk processing for archives

Educators as users

OCR apps confuse me shorthands & abbreviations

Receive a lot of handwritten assignments every semester

Need to digitize responses to archive, check plagiarism

Arabic Limitations

Most OCR tools aren't trained on Arabic scripts

No apps explicitly mention Arabic handwriting

No apps explicitly mention Arabic handwriting

Features Ideations

- editing the recognized text
- Sharing recognized text
- Cropping and rotating the image
- Export text into document pdf/word
- Share into different platforms
- batch processing as premium feature
- Handwriting Style Selector: (historical, academic, etc.)
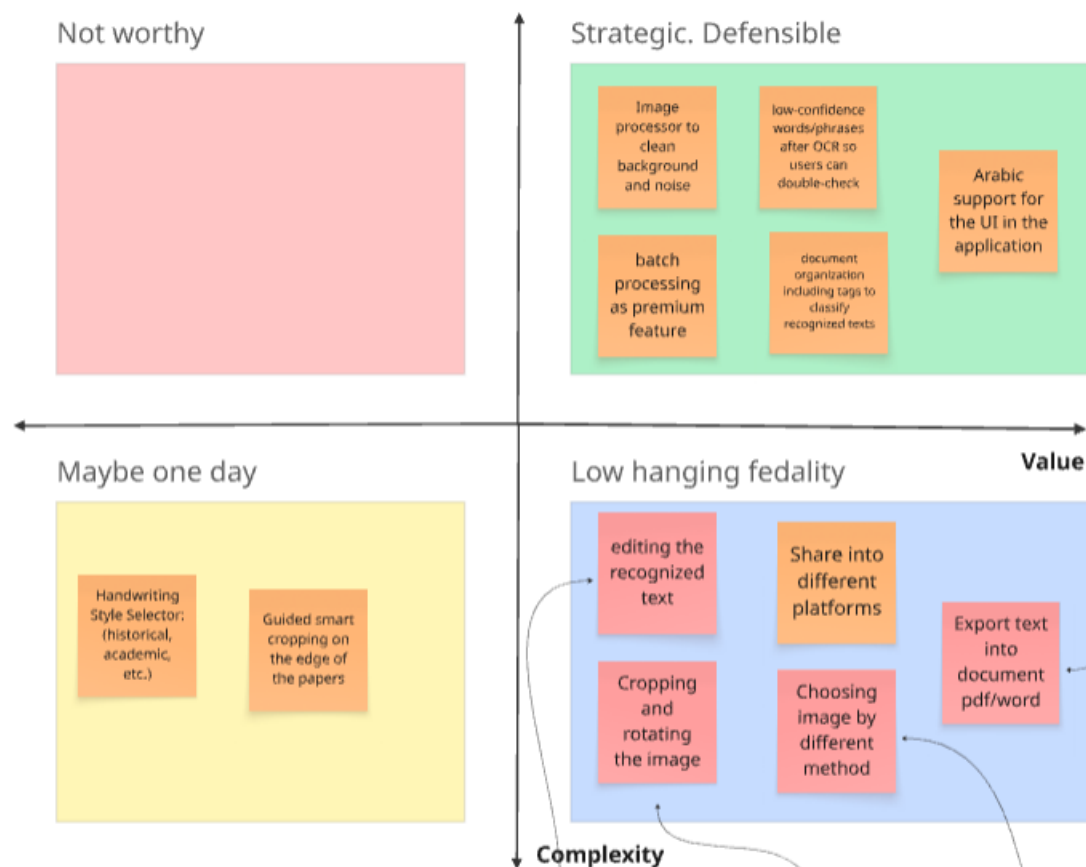- Image processor to clean background and noise
- low-confidence words/phrases after OCR so users can double-check
- Guided smart cropping on the edge of the papers
- document organization including tags to classify recognized texts
- Arabic support for the UI in the application

Features Priotorization

Not worthy

Strategic. Defensible

- Image processor to clean background and noise
- low-confidence words/phrases after OCR so users can double-check
- Arabic support for the UI in the application
- batch processing as premium feature
- document organization including tags to classify recognized texts

Value

Maybe one day

- Handwriting Style Selector: (historical, academic, etc.)
- Guided smart cropping on the edge of the papers

Low hanging fedality

- editing the recognized text
- Share into different platforms
- Export text into document pdf/word
- Cropping and rotating the image
- Choosing image by different method

Complexity

Users often need to use OCR outputs in reports, assignments, or share them professionally.

Based on user research, OCR is not always perfect, users need to correct errors.

Common expectation in scanning and document apps.

Different users have different workflows, some scan with their camera, others upload saved images.
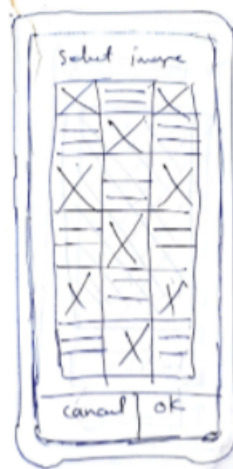
Paper Sketches - Iteration 1

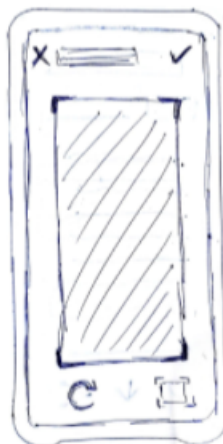This is the main page, welcomes the user and asks them to chose the Image

Tells the user to ensure good quality and light of the image, also give them choice (Gallery, Camera)
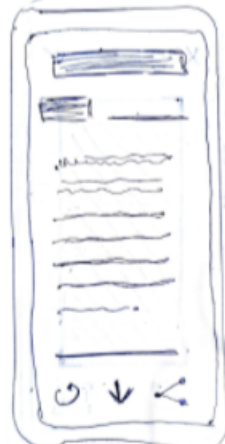
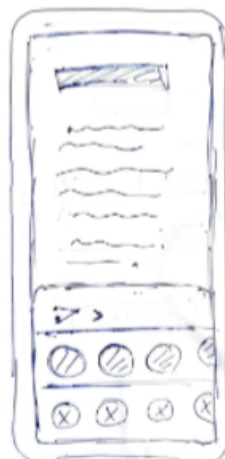Shows the user their gallery and let them get back to chose from Camera

Shows the user their Selected Image and let them proceed or edit the selected image

The user is able to edit The selected image, whether by rotating or by resizing the image

Shows the user the recognized text, with options to share, download, rety

The user is able to share the text into diffrent platforms

The user is able to download the text as document with various extensions, or they could go back to main

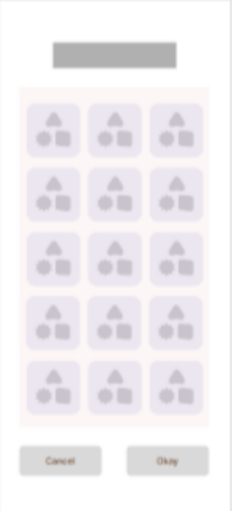Digital Prototype - Iteration 1

Prototype Link: [My Prototype Link](#)

Home Page

Select Image method

By Gallery

By Camera

Show selected Image

Edit selected image

Recognize text main

Download text with options

Usability Study

Usability Guide - V0
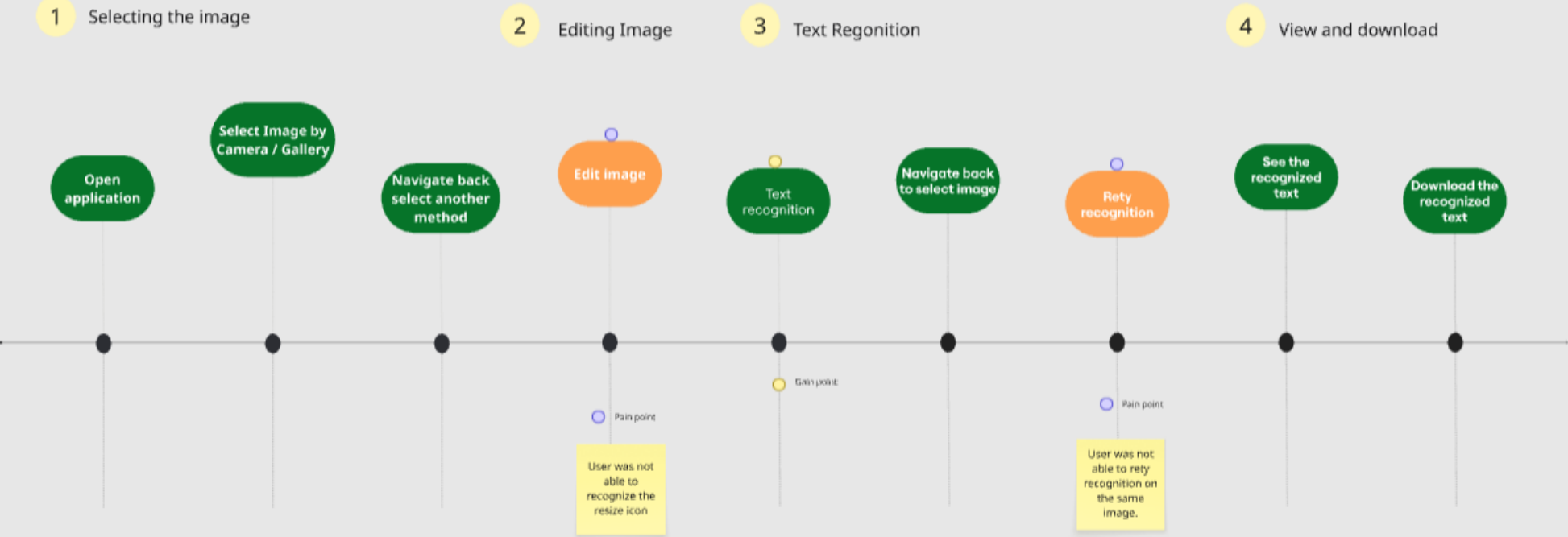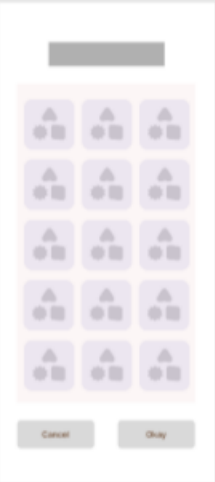
KhattTech - Design Sprint

Respondent Information

Setup

Remote Sessions:

Usability Guide

1 Selecting the image

2 Editing Image **3** Text Regonition

4 View and download

- Open application
- Select Image by Camera / Gallery
- Navigate back select another method
- Edit image
- Text recognition
- Navigate back to select image
- Rety recognition
- See the recognized text
- Download the recognized text

Pain point

Gain point

Pain point

User was not able to recognize the resize icon

User was not able to rety recognition on the same image.

Digital Prototype - Iteration 2

Prototype Link: [My Prototype Link](#)

Home Page

Select Image method

By Gallery

By Camera

Show selected Image

Edit selected image

Recognize text main

Download text with options

changed Icons to more readable ones

Added another action to select image