

IN THE NAME OF GOD

KHEFT

Mobile programming project

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1. Project Overview

The initial idea of this project was sparked by [a telegram group](#) created by several SUT students to help others sell their books and get other books that they want.

The system is easy. You either want a specific book and search for it in that group, find the book and contact the person who posted the message. Or you have a book that you want to sell, so you post it to that group and wait to get a message from a potential buyer.

This system has several weaknesses and that made us think of a better way to buy and sell used books. Let's list a few of them:

1. It doesn't have any regulation and messages can get lost in there easily.
2. There are no regulations for categorizing books.
3. Potential buyers can't put an eye on a specific book and go back to it later.
4. At the end of the day, it's just a telegram group and can't fulfill the user experience that an application gives users.

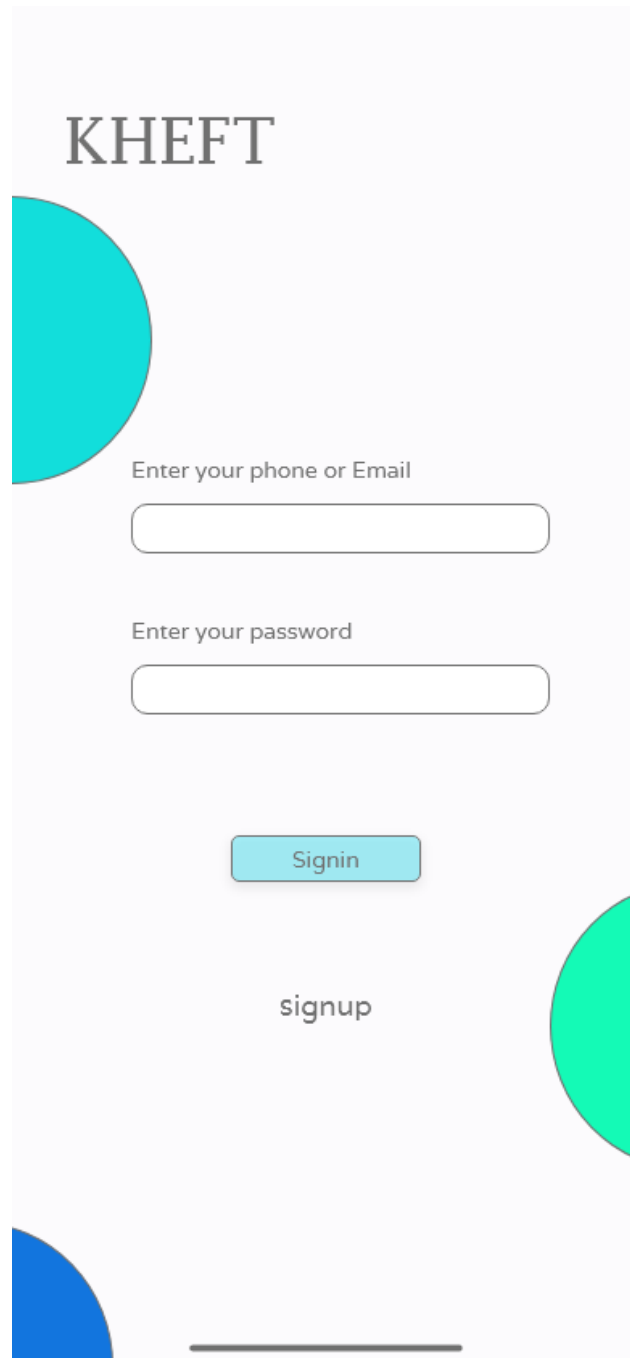
So we came up with the idea of KHEFT, influenced by the name of the telegram group.

2. User Experience

This application was designed to bring simplicity and focus on the main application of it which is buying and selling used books with ease.

User Interface was designed with Adobe XD and we will see all pages in the following.

a. Sign In Page



The image is a mobile app mockup for a sign-in page. At the top, the word "KHEFT" is displayed in a large, dark, serif font. Below the logo, there are two input fields. The first field is preceded by the text "Enter your phone or Email" and the second by "Enter your password". Both fields are white with rounded corners and a thin grey border. Below the password field is a light blue button with rounded corners and a subtle drop shadow, containing the text "Signin". Underneath the button is the text "signup" in a smaller, dark, sans-serif font. The background is a light grey. Decorative elements include a large cyan semi-circle on the left side, a green semi-circle on the right side, and a blue semi-circle at the bottom left. A thin horizontal line is visible at the very bottom of the screen.

KHEFT

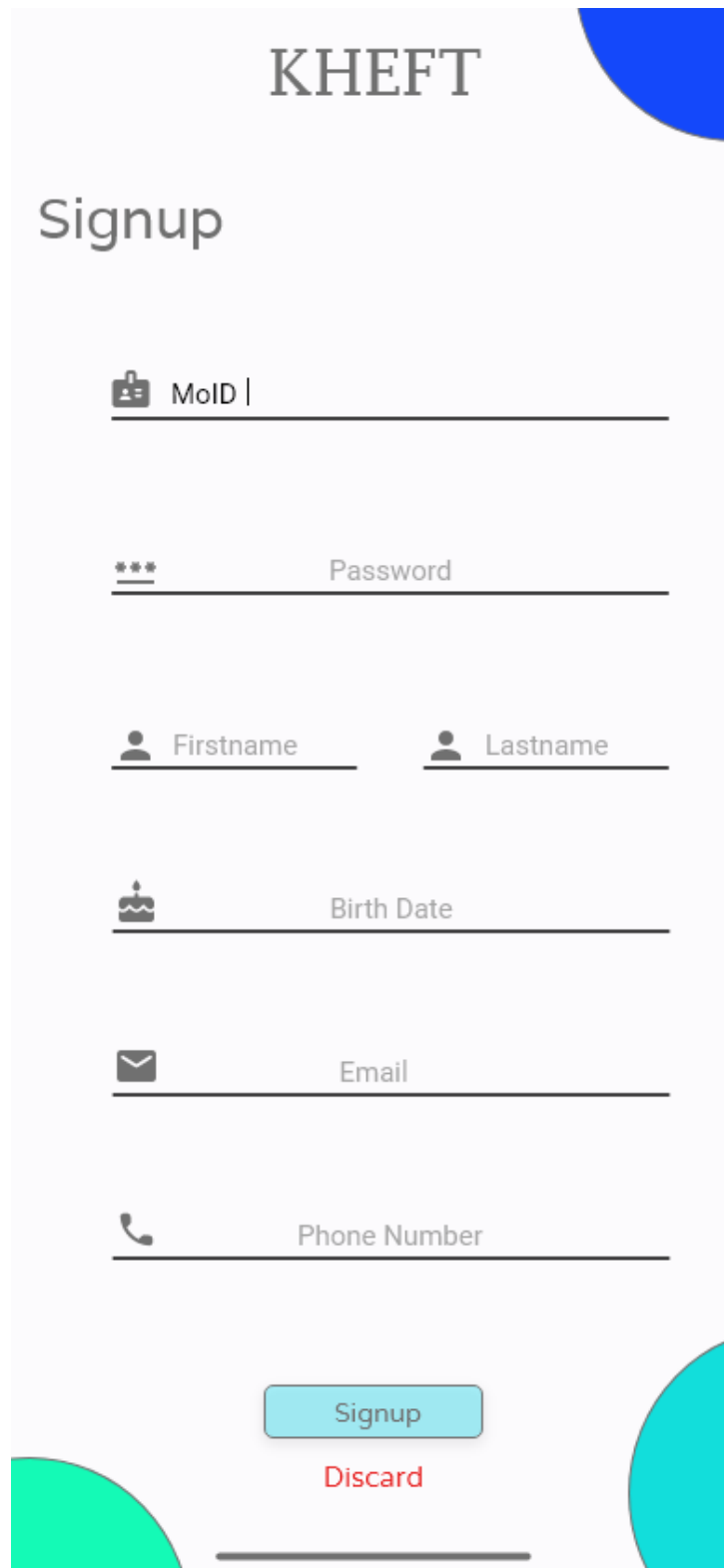
Enter your phone or Email

Enter your password

Signin

signup


b. Sign up Page






The image shows a mobile app mockup for a 'KHEFT' signup page. The app has a light gray background with blue and red decorative curved corners. The 'KHEFT' logo is at the top center. Below it is the title 'Signup'. The form consists of several input fields, each with an icon on the left and a label on the right: 'MoID' (ID card icon), 'Password' (three asterisks icon), 'Firstname' (person icon), 'Lastname' (person icon), 'Birth Date' (birthday cake icon), 'Email' (envelope icon), and 'Phone Number' (phone handset icon). At the bottom, there is a light blue 'Signup' button and a red 'Discard' link. A horizontal line is at the very bottom of the screen.


KHEFT


Signup


 MoID |

 Password

 Firstname  Lastname

 Birth Date

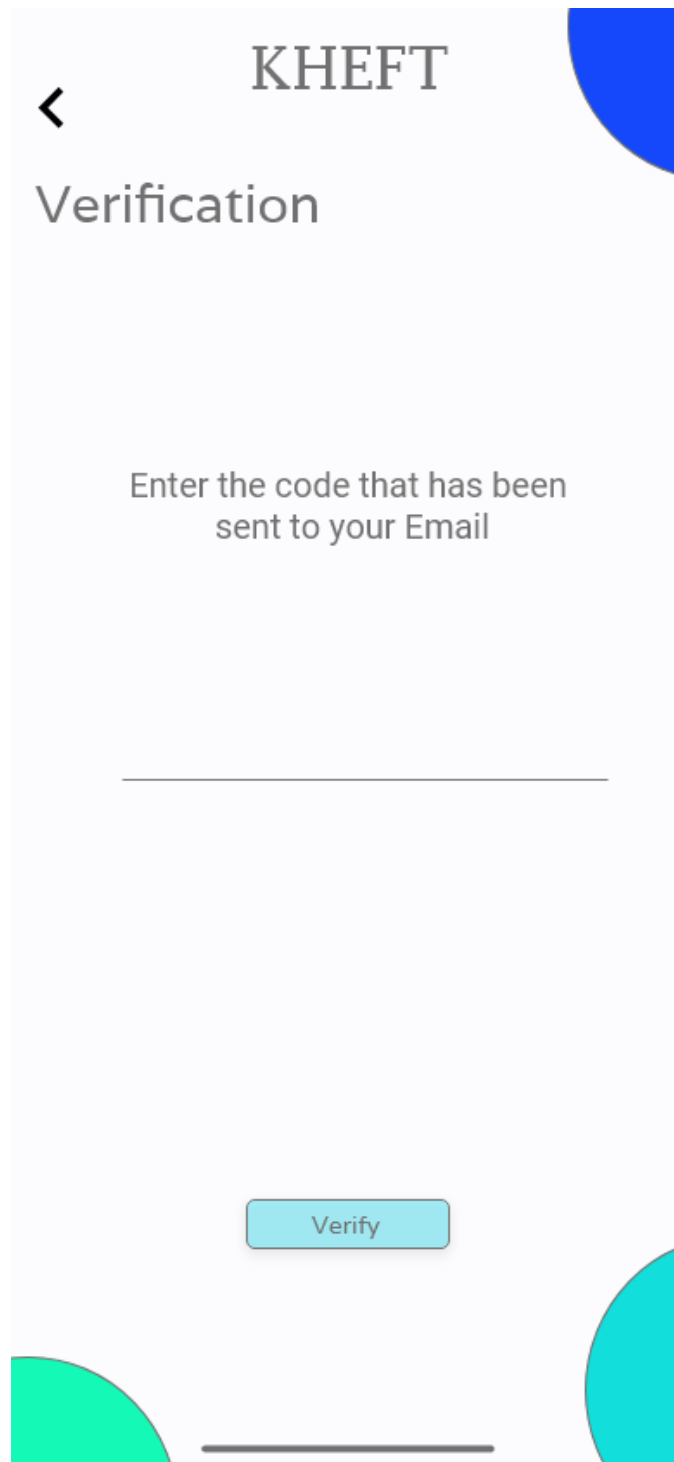
 Email

 Phone Number

Signup

Discard

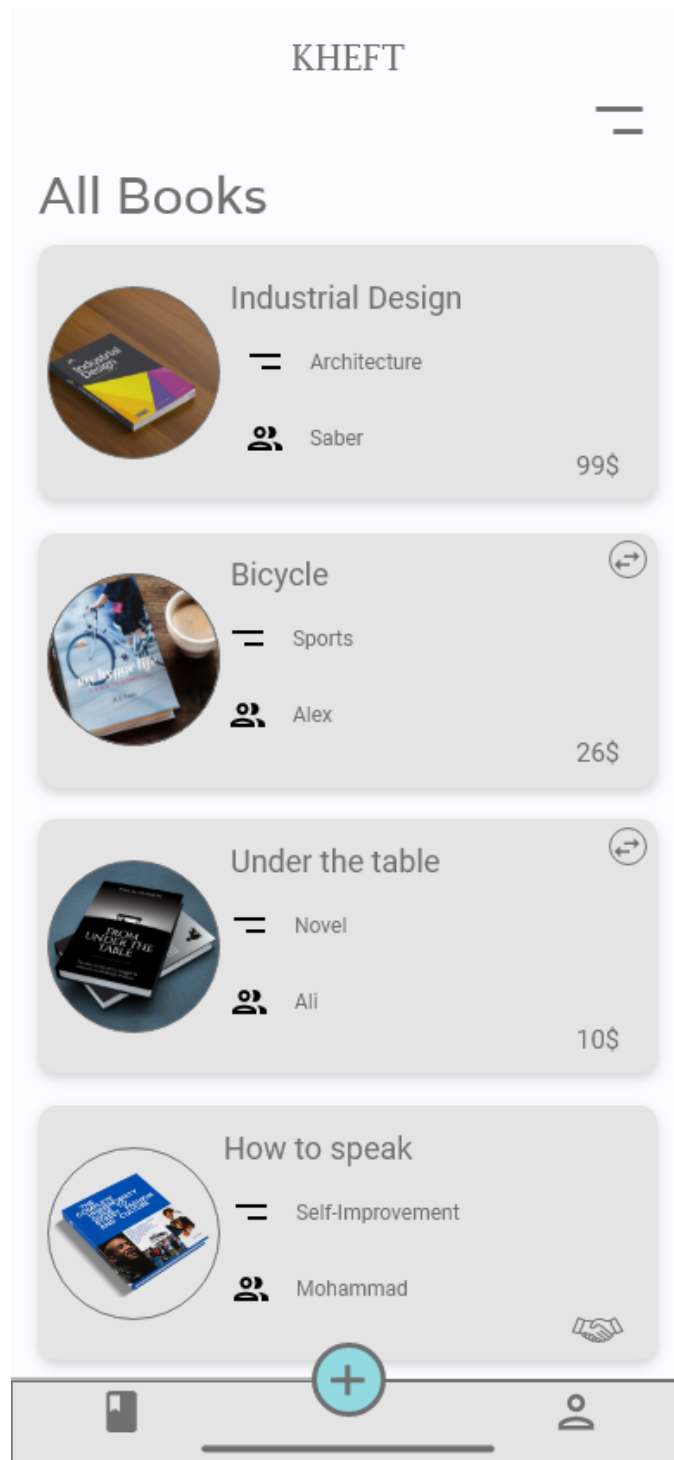
c. Verification Page



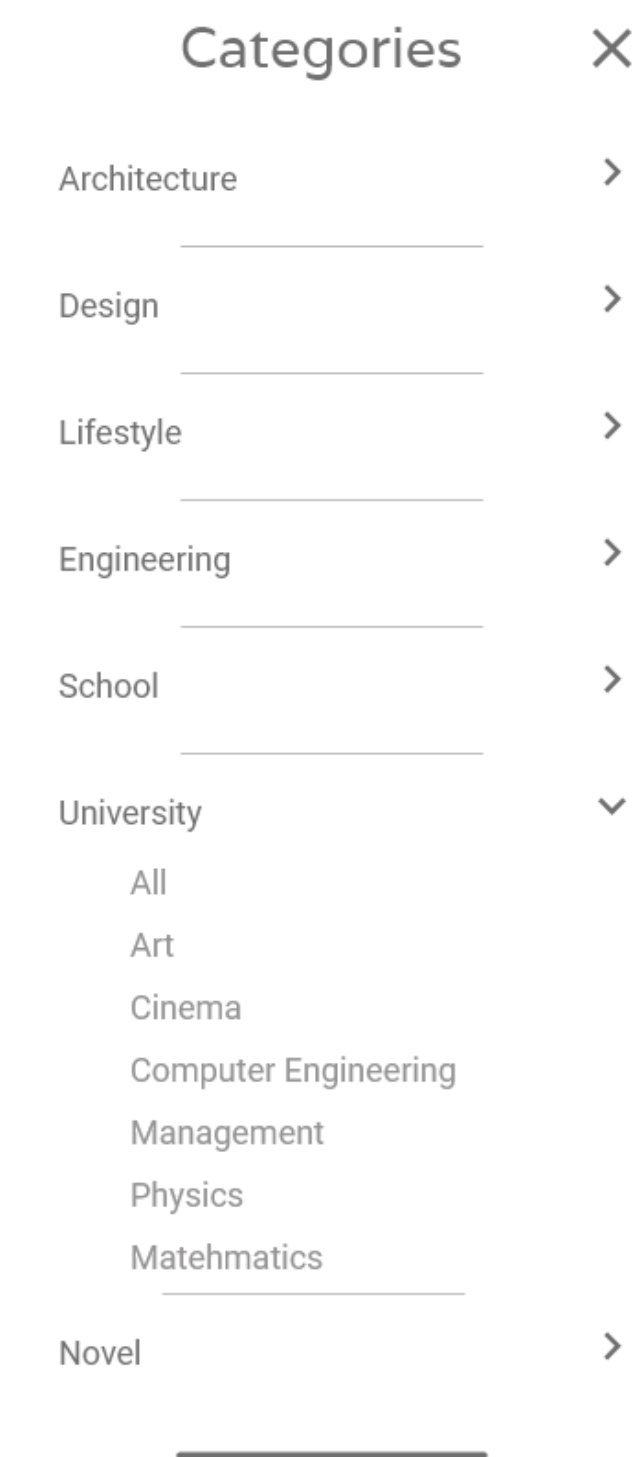
The screenshot shows a mobile application interface for the KHEFT verification page. At the top, there is a back arrow icon and the KHEFT logo. Below the logo, the word "Verification" is displayed. The main text in the center reads "Enter the code that has been sent to your Email". A horizontal line indicates where the user should enter the code. At the bottom, there is a light blue "Verify" button. The page is decorated with blue and teal curved shapes in the corners.

*: After you sign up or sign in, you get a code on your email(later will be available on phone number too) to verify your identification.

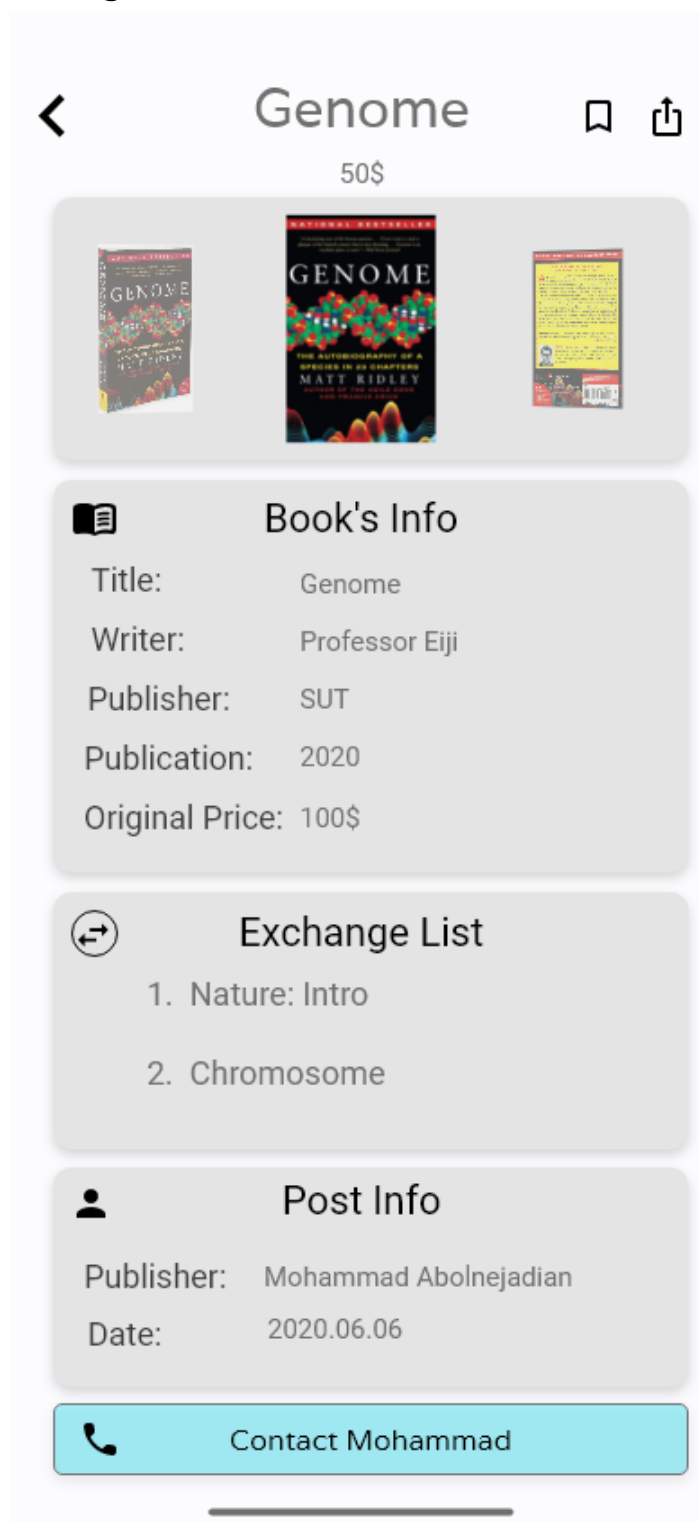
d. Main page(all books)



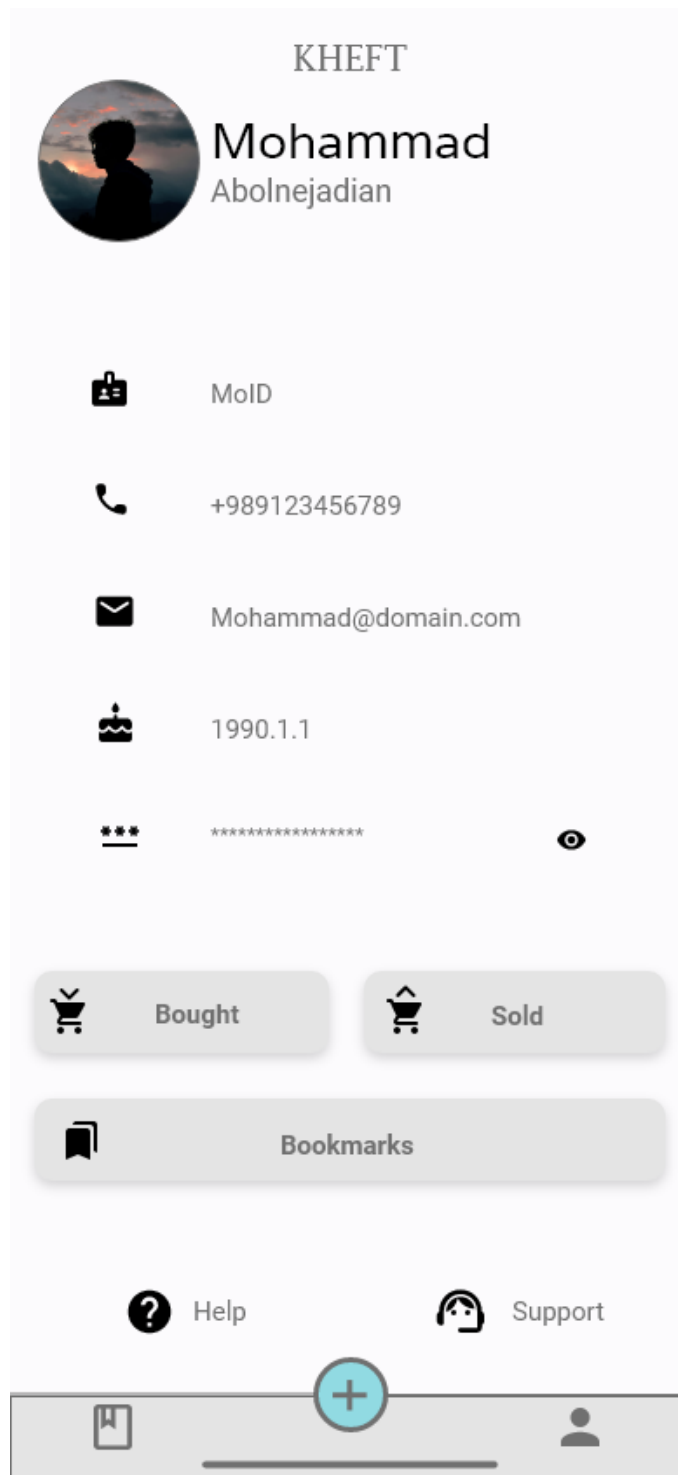
e. Cateogries Page



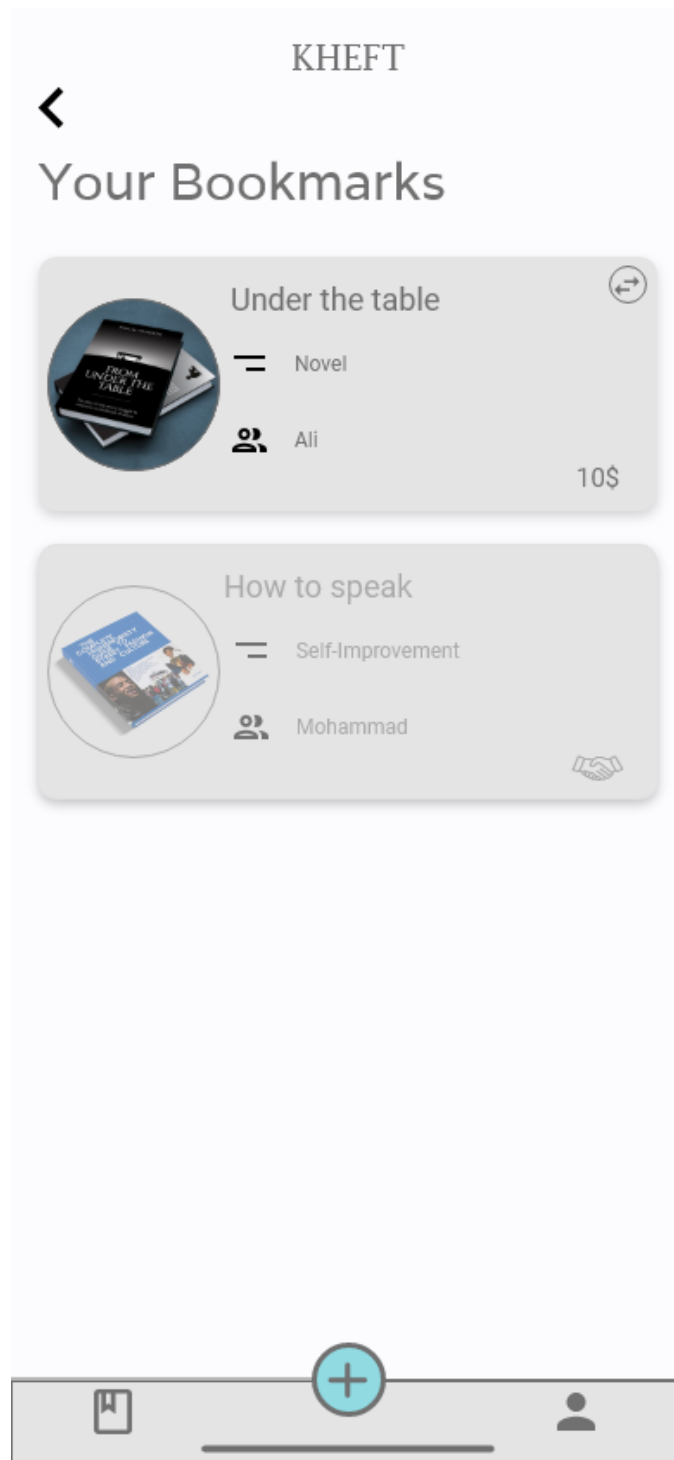
f. Book Page



g. Profile Page

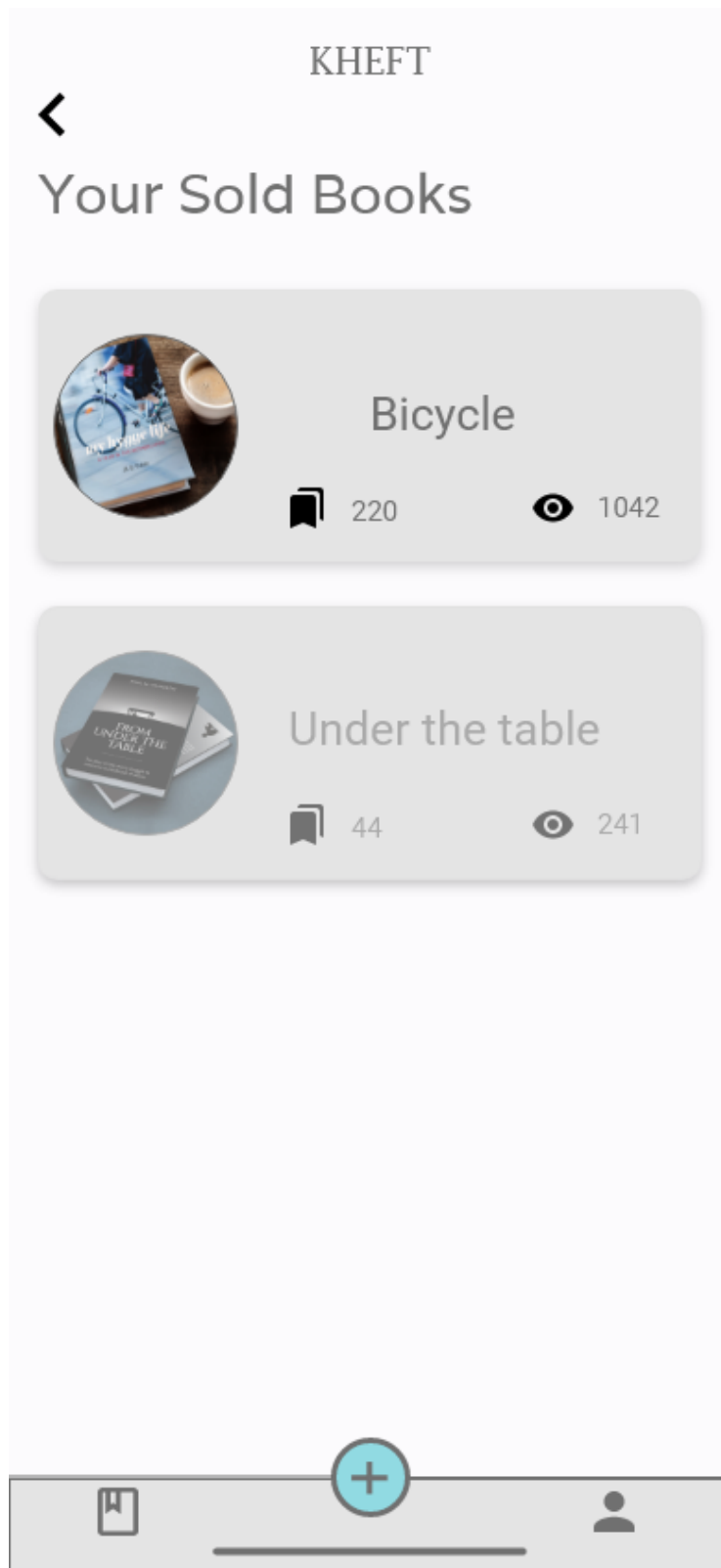


h. Bookmarks Page

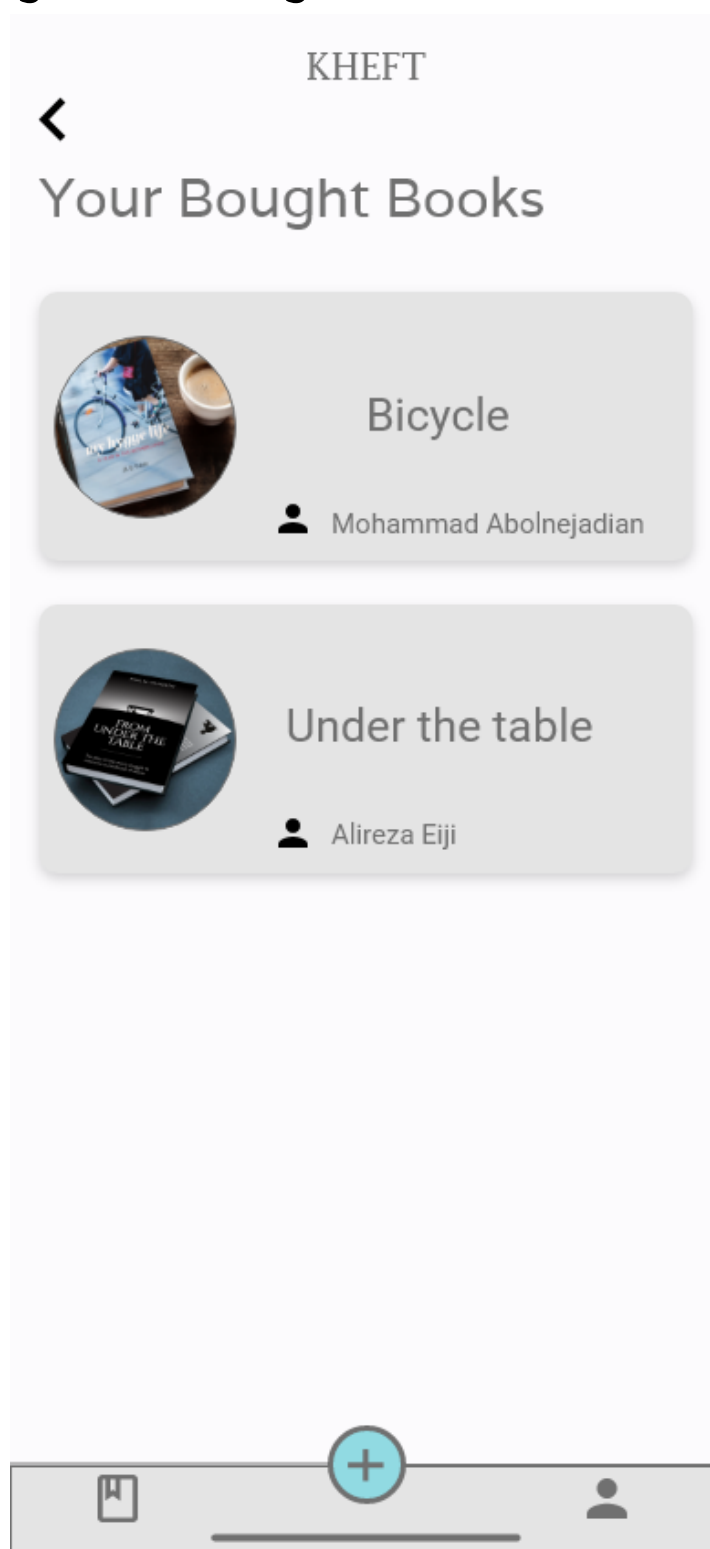


*: Sold books will be shown gray.

i. Sold books Page




j. Bought books Page



k. Edit profile

KHEFT




Mohammad
Abolnejadian


Edit ID


new ID


Done


Discard


 1990.1.1


 Bought


 Sold


 Bookmarks

 Help

 Support












I. Publish book Page

KHEFT

Publish a book

 Add photos (max 5)



 Book's info

Gnome I

Writer

Publisher

Publication


Original Price


Price

☒ Want to exchange?

1. How to physics

2. Biology



 Publish

Cancel

m. Publish book Page(2)

KHEFT

Publish a book

Gnome |

Writer

Publisher

Publication

Original Price


Price

☒ Want to exchange?


1. How to physics


2. Biology

+


 Contact info

How to contact you

☒ 

☒ 

Note

 Publish

Cancel

3. Technical Specs

This project is written in Dart language and with Flutter framework in the frontend to bring this app to iOS, Android and web. Also the backend is handled by .NET and we are processing requests on our personal computers as servers.

Thanks for your attention.