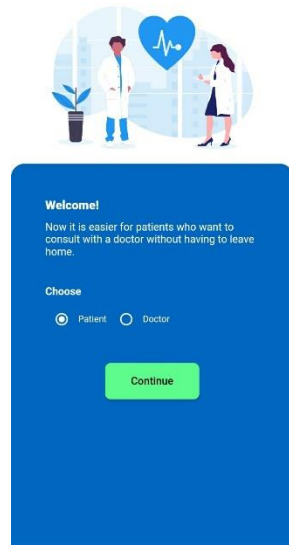# System Docs

Here's I'll explain, how the system work on each page.

Landing Page

This is the first page to show up, if the user hasn't login yet. In here they have to choose between patient or doctor to continue to Login Page and to know whether the user want to logged in as patient or doctor.

Login Page

Before going to main page, the user must logged in first, it used Firebase Authentication to login. There are few validation here:

• Password : Min 6 max 16

• Email: max 30 characters, has email validator, and email input type

Disabled Login Button:

• If the password is less than 6 and the email is wrong then the login button is disabled disabled

• If the password is less than 6 and the email is correct then the login button is disabled

• If the password is correct and the email is wrong then the login button is disable

For email validation, we use this package https://pub.dev/packages/email_validator.

Register Page (User and Doctor)

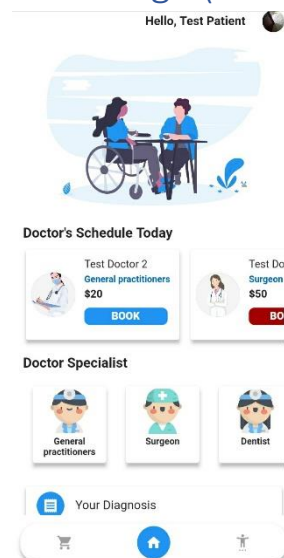When the user is registered, they will be automated logged in as a user.

Doctor validation :

- Name : min 0 max 30 and (required)
- Email: max 30 characters, have email type validation and (required)
- Password : min 6 max 16 (required)
- Phone Number : min 10 max 16, can only write numbers and (required)
- Address : min 6 max 50 (if not filled then -)
- Gender: radio button (required)
- Select Specialization: type select and Required
- Bank Account: required, min 9 max 14

User validation :

- Name : min 0 max 30 and (required)
- Email: max 30 characters, have email type validation and (required)
- Password : min 6 max 16 (required)
- Phone Number : min 10 max 16, can only write numbers and (required)
- Address : min 6 max 50 (if not filled then "")

Main Page (User)

When the user has registered / logged in, he will enter this page.

Today's doctor's schedule has a max rule of 7 data

-When you click on the book, you will be directed to the consultation detail page
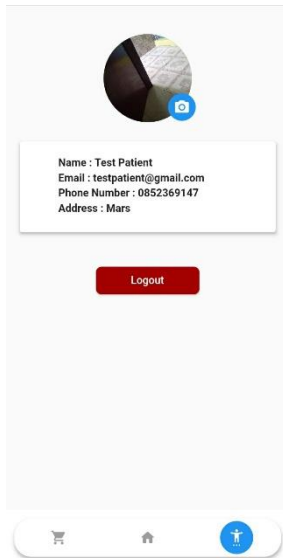
-When clicking on the booked doctor's schedule, it cannot be clicked and there is no action

-When you click on a doctor's specialty, you will be directed to a list of specialist doctors that you clicked on

-When you click on the Your Diagnosis, you will be directed to diagnosis list page
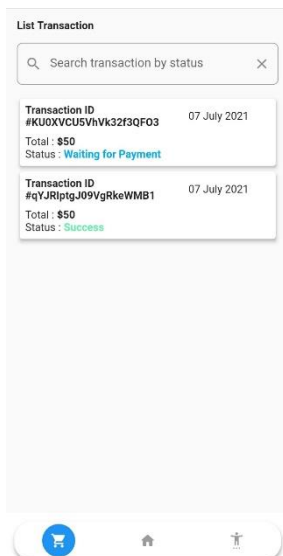
In BottomNavigationBar there are 3 menus based on the order, namely (List Transactions, Home and Account Settings), when clicked it will be redirected to that page.
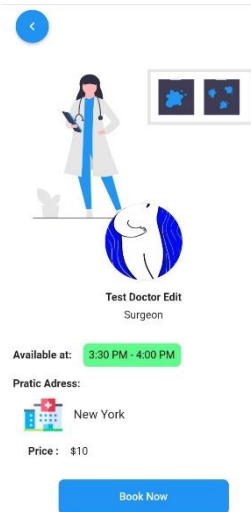
Profile Page (User)

Here's the user can change their profile picture by clicking the photo button, and if they want to logged out they just need to press logout button. They can't change their profile settings, to prevent troll.
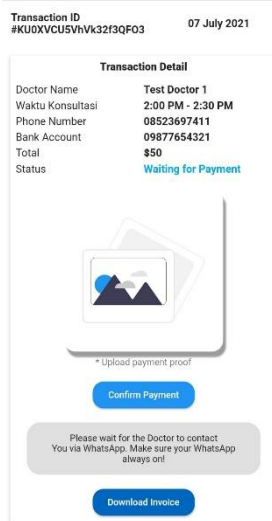
List Transaction (User)

Here's list of user transaction, they can search their transaction based on status. If they click on transaction card they will be directed to transaction detail page
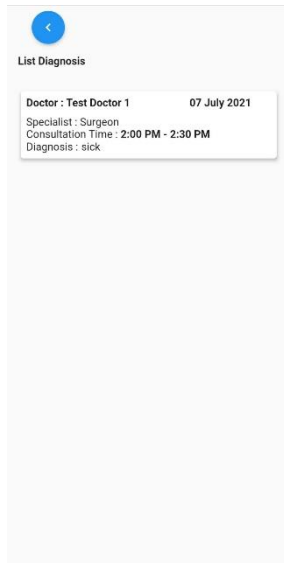
Consultation Detail

Here's the user can read the detail of the consultation after pressing book, if they going to book the doctor by pressing book now, it will automatically creating a transaction and the user will be directed to transaction detail page, where the user must upload their payment proof, and then the doctor can either update the status as success or failed in doctor transaction detail page. Before that the doctor must chat the user via WhatsApp to give more information about their queue or more payment information or anything they'll discuss before start consultation.
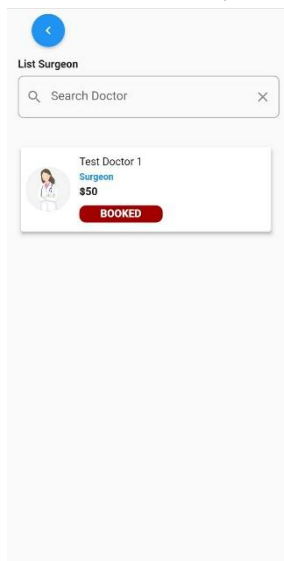
Transaction Detail Page

This is the transaction detail page, user must upload their payment proof, that they already transfer the amount of money for consultation to doctor bank account. Doctor should contact the user first via WhatsApp to confirm the payment information and also consultation schedule. After the payment proof uploaded, status will changed to Waiting for Confirmation.
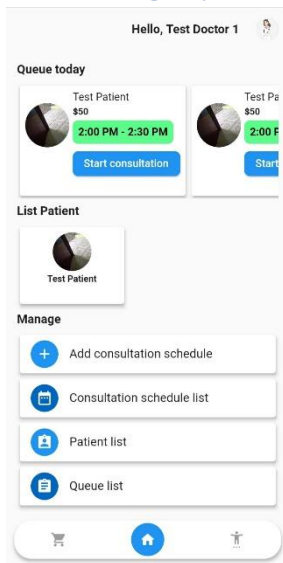
List Diagnosis Page

This is the list of user diagnosis, after the user done consultating with doctor, the doctor will be asked to fill diagnosis for user, the list will be go here.

List Diagnosis

Doctor : Test Doctor 1   07 July 2021

Specialist : Surgeon
Consultation Time : 2:00 PM - 2:30 PM
Diagnosis : sick

List Doctor Specialist

List Surgeon

Search Doctor
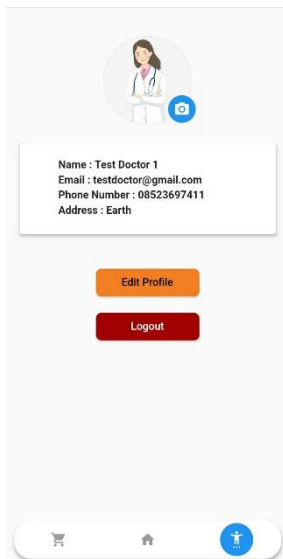
Test Doctor 1
Surgeon
$50
BOOKED

Unlike on main page, which limited only 7 data, in this page will be show all the doctor specialist that available today based on doctor consultation schedule and also user can search doctor name.
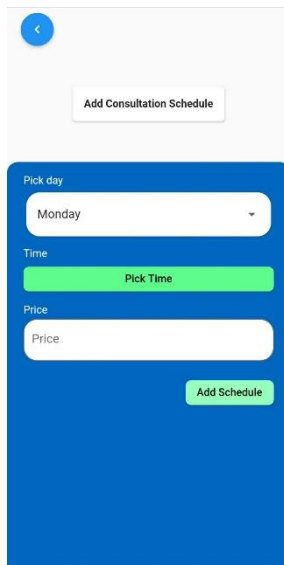
Main Page (Doctor)

If the doctor already logged in, they will directed to main page. In here they can see Queue for today which has limited data to 7, they can see more at Queue list, and also Patient list has 7 limit too. They can start counsultation by pressing Start Consultation button which will be navigate to consultation page. Anda there's manage, to manage Consultation Schedule, Patient, Queue.
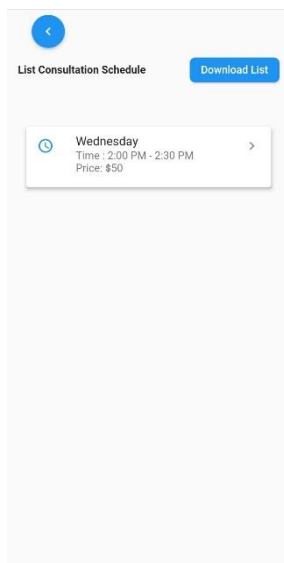
Profile Doctor

Here's the doctor can change their profile picture by clicking the photo button, and if they want to logged out they just need to press logout button. They can also edit their profile settings unlike user.
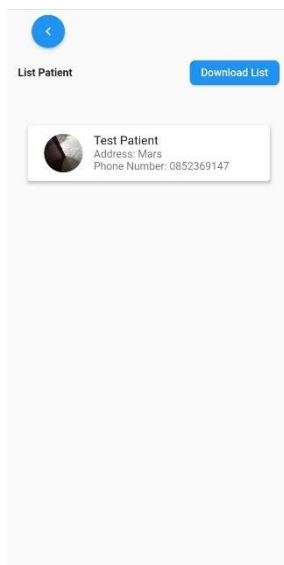
Add Consultation Page

To add consultation schedule doctor must choose day between Monday to Sunday, and pick Time every time they picked will be added 30 min (ex: 1 PM – 1:30 PM) and input the price of the consultation. This consultation schedule will be added to Doctor SubCollection.
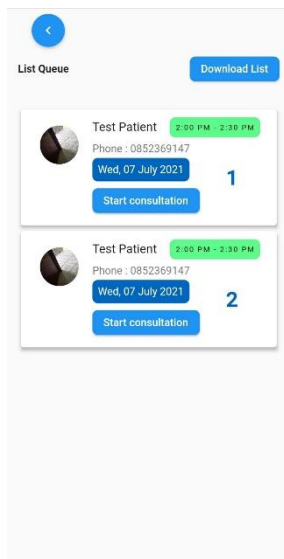
List consultation schedule

Here's list of all doctor consultation schedule from doctor Sub Collection, they can also download the list that will be output as pdf file.

List Patient

Here are the list of doctor patient from doctor Sub Collection, every user that book the doctor will be added to doctor patient list. They can also download the list too and the output will be pdf file.

Queue List

Here are all doctor today queue list, if they press the queue card they will be navigated to edit queue, they can edit their queue number. If they press start consultation button they will be navigated to consultation page to start a consultation. And also they can download the list and the output will be pdf file.

List Transaction Doctor

Here are the list of all doctor transaction, they can search the transaction based on the status, and every success status will be added to total earning. If they press the transaction card they will be navigated to transaction detail page, where the doctor can update the status whether the payment process are success or failed. And also they can download the list and the output will be pdf file.
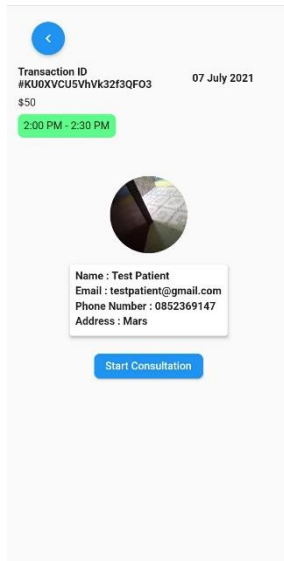
Transaction Detail Doctor

In here the doctor can check whether the payment proof already uploaded or not so the doctor can change the status to success or failed. And also they can download the invoice and the ouput will be pdf file.

Consultation Page

Transaction ID
#KU0XVCU5VhVk32f3QFO3
$50

07 July 2021

2:00 PM - 2:30 PM

Name : Test Patient
Email : testpatient@gmail.com
Phone Number : 0852369147
Address : Mars

Start Consultation

     In here the doctor can start consultation with the user, if they start the consultation doctor status will be busy which mean no one can book the doctor for a moment, and doctor will be redirected to WhatsApp using WhatsApp API to start consultation with user, they can chat, call, or video call based on their aggrement. And after they done the doctor must go back to this page and finish the consultation, after they pressed finish they will be asked to input the diagnosis of user illness and the data will be added to user Sub Collection.