

*User Manual – GoLab*



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## A. Introduction to GoLab App

GoLab is an advanced app which will be helpful for the hospitals/medical laboratories in managing their regular workflows in an efficient manner. The app is simple and easy-to-use with intuitive design and navigational features. This guide will provide detailed instructions on how to use the app step-by-step describing each of the screens and its capabilities.

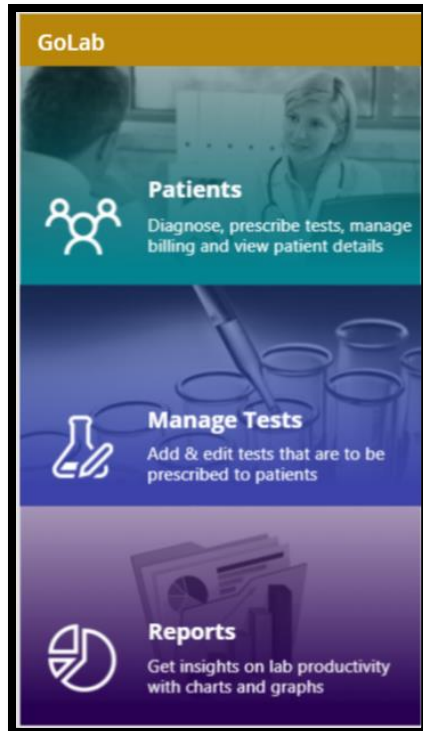
## B. Home

### 1. Feature Highlights

Home screen provides menus/options to navigate to different features.

### 2. Steps to be followed

1. Clicking the '*Patients*' menu would display the patients listing screen which is explained in [Manage Patients](#) section. From there, the patient details and history could be viewed, the diagnosis details can be entered which is explained in the [Diagnosis](#) section and the lab tests for the patient could be prescribed which is explained in [Test Prescriptions](#) section.



2. Clicking the 'Manage Tests' menu would display the list of lab tests available and from there the tests could be managed which is explained in [Manage Tests](#) section.
3. Clicking the 'Reports' menu would display the analytical charts based on the information and statistics of the lab which is explained in [Reports/Analytics](#) section.

## C. Manage Patients

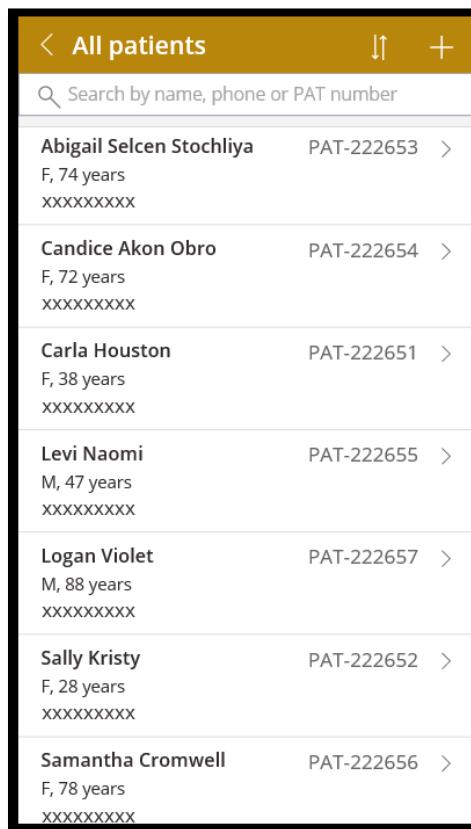
### 1. Feature Highlights

- Feature that displays the patients registered to the hospital/laboratory and provides option to add/edit/delete patients.

- It provides ability to search the patients with their key information like name, phone number or the patient code.

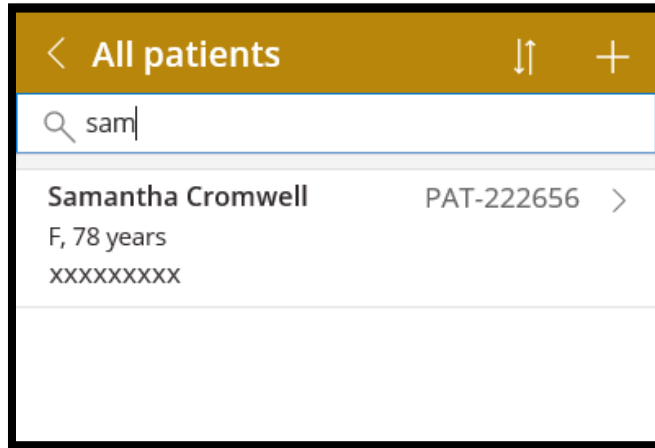
## 2. Steps to be followed



1. When the 'Patients' menu is clicked in the home screen, the list of patients will be displayed along with the basic details of the patient like name, code, gender, age and phone number.



All patients	
Search by name, phone or PAT number	
Abigail Selcen Stochliya F, 74 years XXXXXXXXXX	PAT-222653 >
Candice Akon Obro F, 72 years XXXXXXXXXX	PAT-222654 >
Carla Houston F, 38 years XXXXXXXXXX	PAT-222651 >
Levi Naomi M, 47 years XXXXXXXXXX	PAT-222655 >
Logan Violet M, 88 years XXXXXXXXXX	PAT-222657 >
Sally Kristy F, 28 years XXXXXXXXXX	PAT-222652 >
Samantha Cromwell F, 78 years XXXXXXXXXX	PAT-222656 >

2. To search for a specific patient, enter the name, phone or patient code in the search text box which will show the filtered patients based on the search.



3. Click on the (  ) icon in the screen header to sort the patients based on the name.
4. To create a new patient in the application, click on the (  ) icon and enter the patient details in the 'Add new patient' screen.

The screenshot shows a mobile application interface for adding a new patient. The form is titled "Add new patient" and has a back arrow on the left and a checkmark on the right. The form contains several input fields, each preceded by an asterisk indicating it is mandatory. The fields are: "Patient code", "First name", "Last name", "Gender" (with radio buttons for "M" and "F"), "Date of birth" (with a date picker showing "12/31/2001"), "Phone number", and "Email address".

5. The mandatory fields are patient code, first name, last name, gender and date of birth. If anything is not entered in these fields, the error text will be shown while clicking the save icon.



< Add new patient ✓

\* Patient code  
  
An entry is required or has an invalid value. Please correct and try again.

\* First name  
  
An entry is required or has an invalid value. Please correct and try again.

\* Last name  
  
An entry is required or has an invalid value. Please correct and try again.

\* Gender

M


F

An entry is required or has an invalid value. Please correct and try again.

\* Date of birth  
   
An entry is required or has an invalid value. Please correct and try again.

Phone number


Email address

6. Enter the patient details and click on the save (  ) icon to add the new patient to the app.

The screenshot shows a mobile application interface for adding a new patient. The title bar is orange and contains a back arrow, the text 'Add new patient', and a checkmark. The form fields are as follows:

- \* Patient code:** Text input field containing 'PAT-12098'.
- \* First name:** Text input field containing 'Daniel'.
- \* Last name:** Text input field containing 'Moses'.
- \* Gender:** Radio button selection with 'M' selected and 'F' unselected.
- \* Date of birth:** Text input field containing '1/5/2000' with a calendar icon to its right.
- Phone number:** Text input field containing '+17878949495'.
- Email address:** Text input field containing 'danmoses@gmail.com'.

7. To view the patient details, click on the patient in the listing screen and it will display the entire details of the patient in a tabbed structure.

< Daniel Moses 

PATIENT DETAILS    DIAGNOSIS HISTORY    PRESCRIBED TESTS    BILL STATUS

[Edit details](#)

Patient code  
PAT-12098

First name  
Daniel

Last name  
Moses

Date of birth  
Wednesday, January 5, 2000



Gender  
M

Age  
18

Phone number  
+17878949495

Email address  
danmoses@gmail.com

8. To edit the details of the patient, click on the ( [Edit details](#) ) button which will open the 'Edit patient details' screen.


< Edit patient details  

\* Patient code  
PAT-12098

\* First name  
Daniel

\* Last name  
Moses

\* Gender  
 M  
 F

\* Date of birth  
1/5/2000 

Phone number  
+17878949495

Email address  
danmoses@gmail.com

9. Edit any basic information of the patient and click on the save icon.

10. To delete any patient, click on the () icon in the 'Edit patient details' screen.

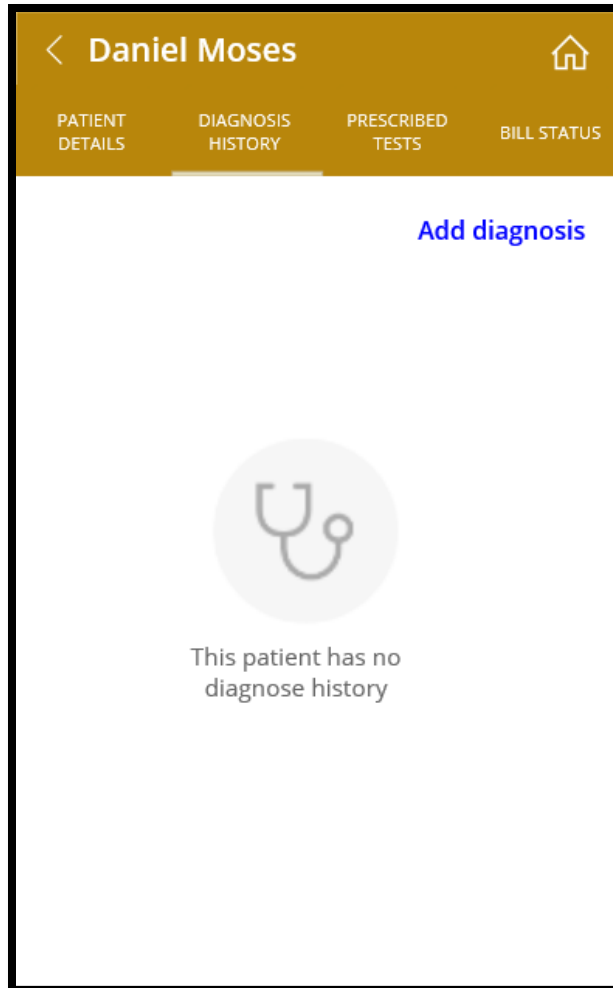
## D. Diagnosis

### 1. Feature Highlights

This feature displays the patient's diagnosis history and provides option to add one or more diagnosis based on the ICD codes.

### 2. Steps to be followed

1. In the patients detail screen, click on the '*Diagnosis History*' tab which will display the diagnosis details that is entered for the patient so far.
2. If there is no history present for a patient, an empty screen will be displayed.




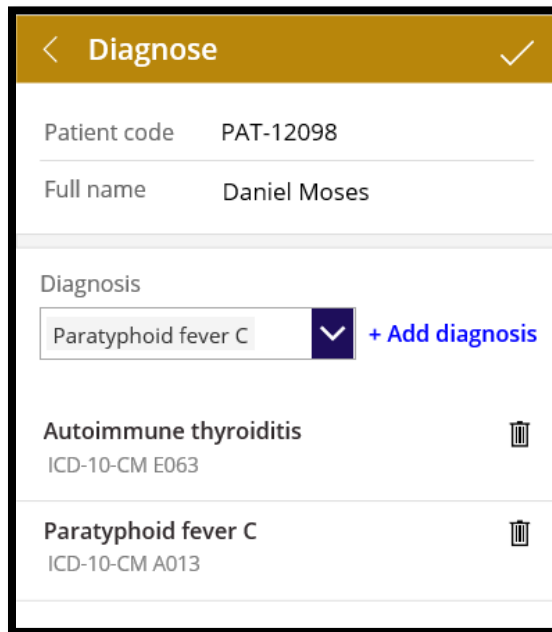
3. Click on the ( **Add diagnosis** ) button to add one or more diagnosis for the patient.

The screenshot shows a mobile application interface for a 'Diagnose' screen. At the top, there is a gold header bar with a back arrow on the left, the word 'Diagnose' in the center, and a checkmark on the right. Below the header, the patient information is displayed: 'Patient code PAT-12098' and 'Full name Daniel Moses'. A horizontal separator line follows. Underneath, the 'Diagnosis' section features a dropdown menu with the placeholder text 'Select a diagnosis' and a dark blue downward arrow. To the right of the dropdown is a blue '+ Add diagnosis' button.

4. Search and select the diagnosis from the dropdown and click on the ( **+ Add diagnosis** ) button.

This screenshot shows the same 'Diagnose' screen as the previous one, but with the dropdown menu open. The selected option is 'Autoimmune thyroiditis', which is displayed in the dropdown box. Below the dropdown, a list item for 'Autoimmune thyroiditis' is visible, including the ICD-10-CM code 'E063' and a trash icon on the right. The '+ Add diagnosis' button remains to the right of the dropdown.

5. The added diagnosis details will be shown below. Click the (  ) icon if it has to be removed.
6. Similarly multiple diagnosis can be added and those will be shown below.




< Diagnose ✓


Patient code PAT-12098

Full name Daniel Moses

Diagnosis

Paratyphoid fever C ▼ + Add diagnosis

**Autoimmune thyroiditis**   
ICD-10-CM E063

**Paratyphoid fever C**   
ICD-10-CM A013

7. Once the diagnosis details are added, click on the (  ) icon to save and proceed to the next step of prescribing tests.




< Prescribe tests ✓

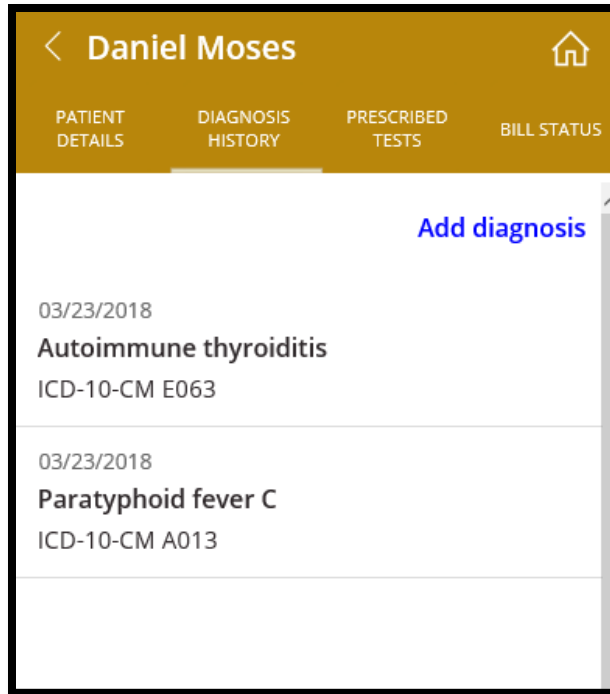
Patient code PAT-12098

Full name Daniel Moses

Prescribe test

Select a test ✓ + Add test

8. Click on the () button to go back to the previous screen.
9. The added diagnosis details will be shown in the patient details screen under the Diagnosis history tab.



## E. Test Prescriptions

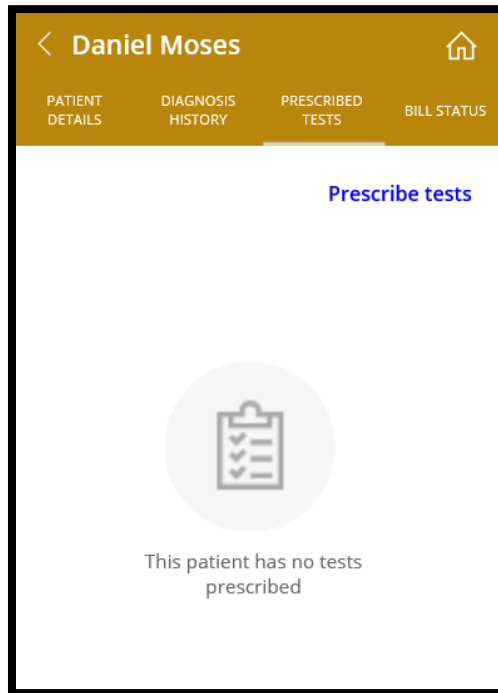
### 1. Feature Highlights

This feature displays the patient's test prescriptions history and provides option to prescribe one or more tests which are available in the hospital/laboratory.

### 2. Steps to be followed


1. In the patients detail screen, click on the 'Prescribed Tests' tab which will display the lab tests that are prescribed for the patient so far.

2. If there is no history present for a patient, an empty screen will be displayed.




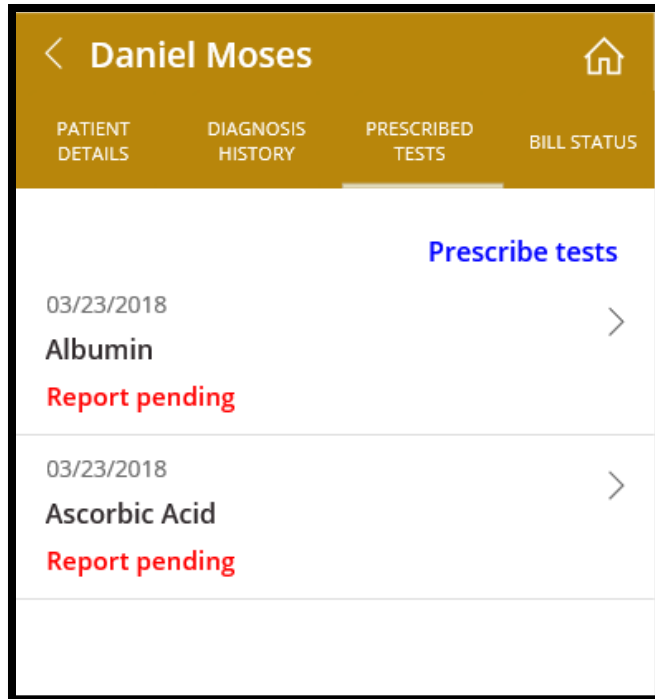
3. Click on the ( [Prescribe tests](#) ) button to prescribe one or more tests for the patient. The tests can be prescribed for the patient through this flow or it can be added once the diagnosis details are added as mentioned in the 7<sup>th</sup> step of the [Diagnosis](#) section.

The screenshot shows a mobile application interface for prescribing tests. At the top, there is a header bar with a back arrow, the text 'Prescribe tests', and a checkmark icon. Below the header, there are two rows of patient information: 'Patient code' with the value 'PAT-12098' and 'Full name' with the value 'Daniel Moses'. A horizontal separator line follows. Below the separator, the text 'Prescribe test' is displayed. Underneath, there is a dropdown menu with the placeholder text 'Select a test' and a downward-pointing chevron icon. To the right of the dropdown is a blue button with the text '+ Add test'.

4. Search and select the test from the dropdown and click on the ( **+ Add test** ) button.
5. The added test details will be shown below. Click the (  ) icon if it has to be removed.
6. Similarly multiple tests can be added and the added ones will be shown below.

The screenshot shows a mobile application interface for prescribing tests. At the top, there is a header bar with a back arrow, the text 'Prescribe tests', and a checkmark icon. Below the header, the patient information is displayed: 'Patient code PAT-12098' and 'Full name Daniel Moses'. A section titled 'Prescribe test' contains a dropdown menu with 'Ascorbic Acid' selected, a checkmark icon, and a '+ Add test' button. Below this, there is a list of prescribed tests: 'Albumin' and 'Ascorbic Acid', each with a trash can icon to its right.

7. Once the test details are added, click on the (  ) icon to save and navigate to the history screen. Once the test is prescribed, the status will be set as 'Report pending' initially.



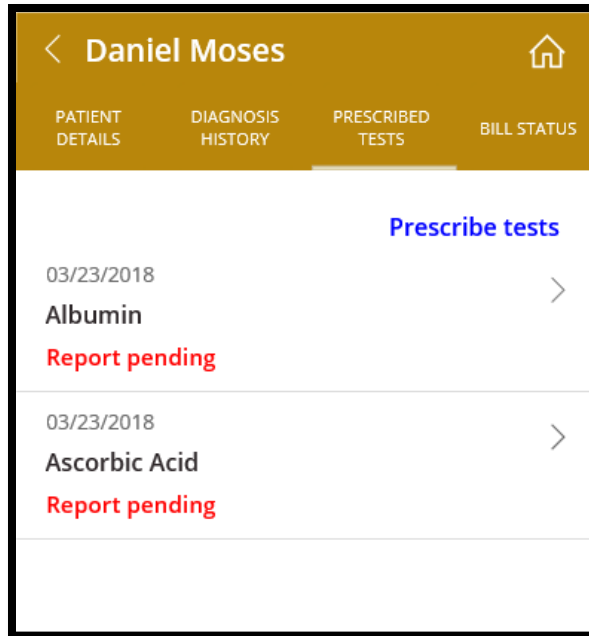
## F. Manage Test Results

### 1. Feature Highlights


Feature that helps to view the prescribed test details for the patient, update the status of test, enter the test results and dispatch the report.

### 2. Steps to be followed

1. In the patients detail screen, click on the 'Prescribed Tests' tab which will display the lab tests that are prescribed for the patient so far.



2. Click on the test to display the selected test details along with the result status.

< Test results 

---

Patient code PAT-12098

---

Full name Daniel Moses

---

Test name Albumin

---

Test code ALB

---

Test price \$75.00 (USD)

---

Sample collected  
No

Test complete  
No


Test approved  
No

Report dispatched  
No

Result value  
Unavailable

Normal value range = 3.5 - 5.0 gm/dL

Result unit

3. Click on the () icon to edit the test status and the results.



< Edit test results ✓

Patient code PAT-12098

Full name Daniel Moses

---

Test name Albumin

Test code ALB

Test price \$75.00 (USD)

---


Sample collected

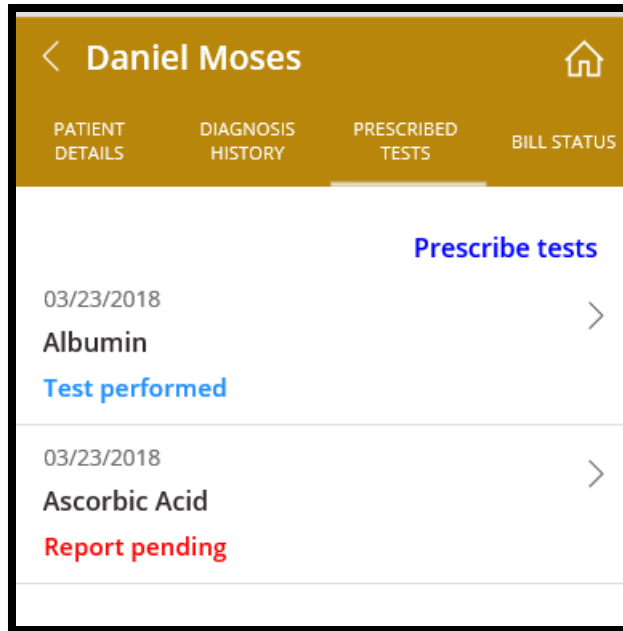
Test complete

Test approved

Report dispatched

Result value

4. Click on the (  ) icon to save the updated details.
5. Whenever the status is updated by toggling the sample collected, test complete, test approved, report dispatched fields, the status will get updated and shown in the 'Prescribed Tests' tab.



6. Once the test is performed, the results have to be entered in the 'Edit test results' screen.

Sample collected

Test complete


Test approved

Report dispatched

Result value

Normal value range = 3.5 - 5.0 gm/dL

Result unit

Normal/abnormal flag  
 

7. Once the results are reviewed by the physician, the test approved toggle can be updated.

Sample collected

Test complete

Test approved

Report dispatched

Result value

Normal value range = 3.5 - 5.0 gm/dL

Result unit

Normal/abnormal flag

8. Once the test result is approved and if it is not yet dispatched, the 'Dispatch report' button will be displayed in the 'Test results' screen

< Test results

Test code ALB

Test price \$75.00 (USD)

Sample collected  
Yes

Test complete  
Yes

Test approved  
Yes

Report dispatched  
No


Result value  
8

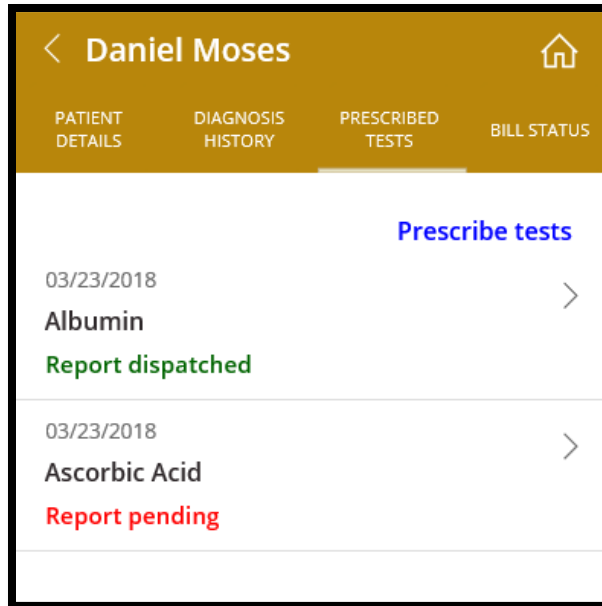
Normal value range = 3.5 - 5.0 gm/dL

Result unit  
gm/dl

Normal/abnormal flag  
Abnormal

Dispatch report

9. Clicking the (  ) button will change the status of the result to 'Report dispatched'.



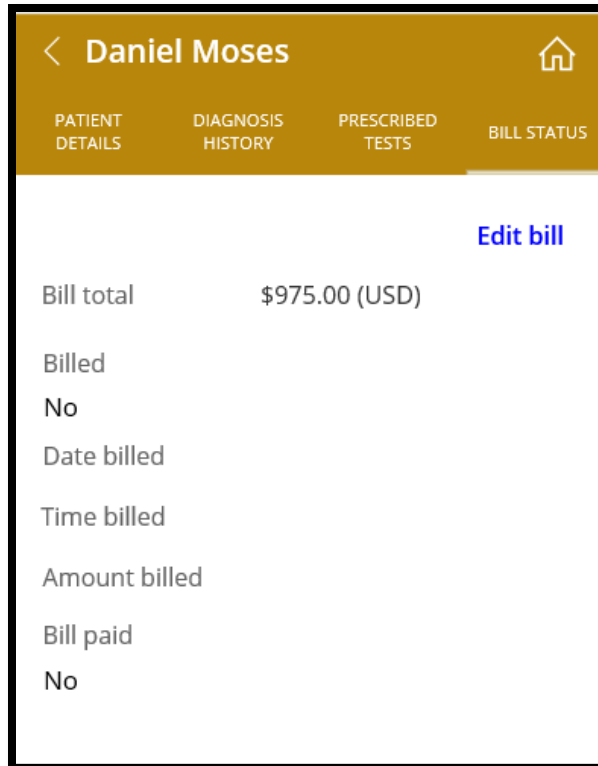
## G. Billing

### 1. Feature Highlights

Feature that helps to view the latest bill information and edit them.

### 2. Steps to be followed

1. In the patients detail screen, click on the 'Bill Status' tab which will display the bill information of the latest prescription.



2. The bill total will display the total of the price of the tests prescribed for the patient.
3. To edit the bill details, click on the ( [Edit bill](#) ) button.

< Edit bill status ✓

Patient code PAT-12098

Full name Daniel Moses

Billed

Yes

Billed date

3/23/2018

Billed time

05 : 30

Amount billed

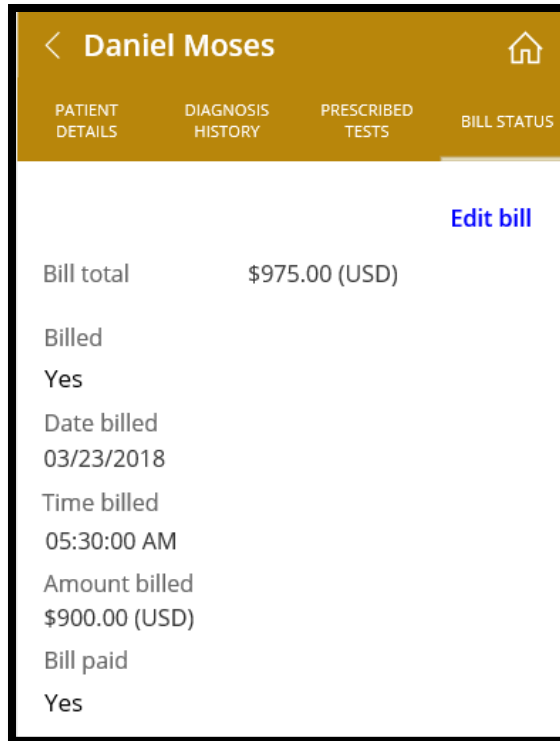
900


Paid

Yes

4. Enter the billing information and click on the (✓) icon.





5. The 'Bill Status' tab will display the updated billing information.
6. In any of the patient details tab, click on the () icon to navigate to the menu screen.

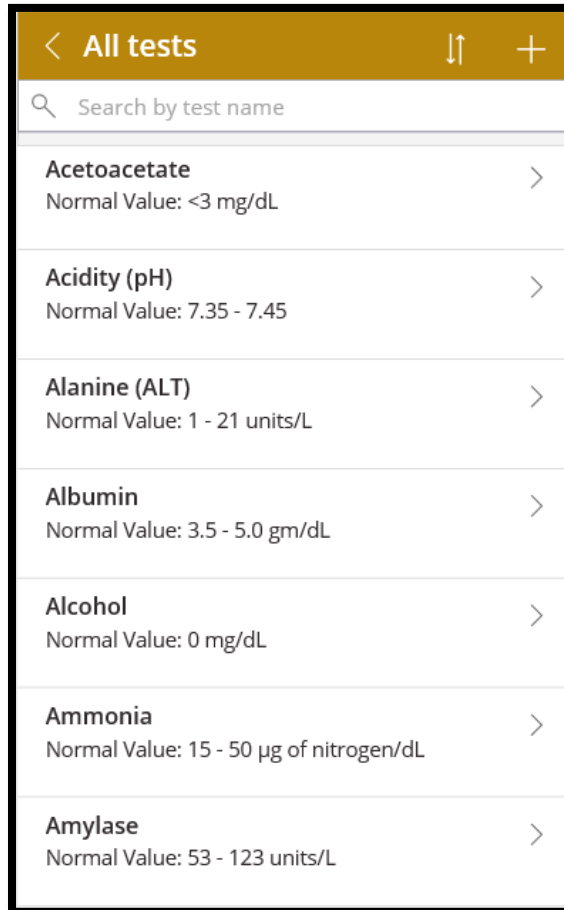
## H. Manage Tests

### 1. Feature Highlights

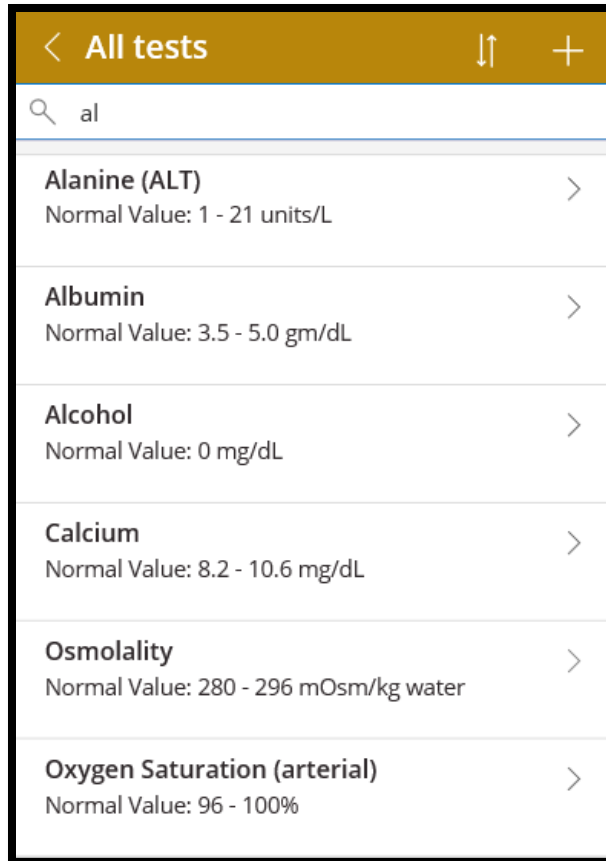
Feature that helps to view the available tests and manage them by adding/editing or deleting them.



## 2. Steps to be followed

1. When the 'Manage Tests' menu is clicked in the home screen, the list of tests will be displayed along with the basic details of the test like name and normal value range.



2. To search for a specific test, enter the name in the search text box which will show the filtered tests based on the search.



3. Click on the () icon in the screen header to sort the tests based on the name.
4. To create a new test in the application, click on the () icon and enter the test details in the 'Add new test' screen.

< Add new test ✓

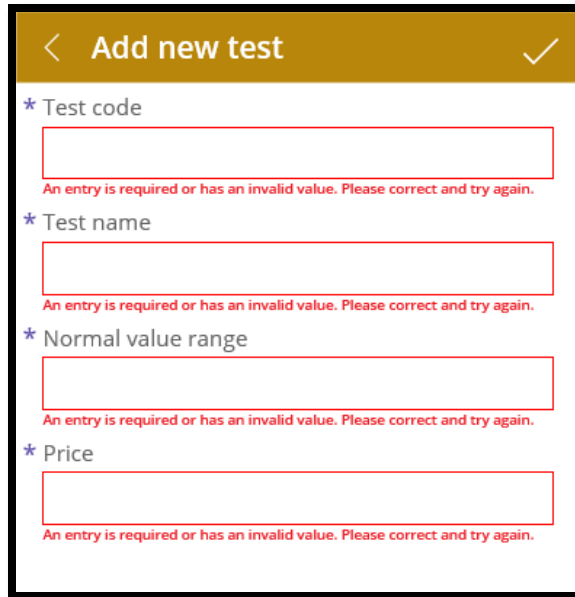
\* Test code

\* Test name

\* Normal value range

\* Price

5. All the fields are mandatory and If anything is not entered, the error text will be shown while clicking the save icon.




< Add new test ✓

\* Test code  
An entry is required or has an invalid value. Please correct and try again.

\* Test name  
An entry is required or has an invalid value. Please correct and try again.

\* Normal value range  
An entry is required or has an invalid value. Please correct and try again.

\* Price  
An entry is required or has an invalid value. Please correct and try again.

6. Enter the test details and click on the save (  ) icon to add the test to the app.

< Add new test ✓

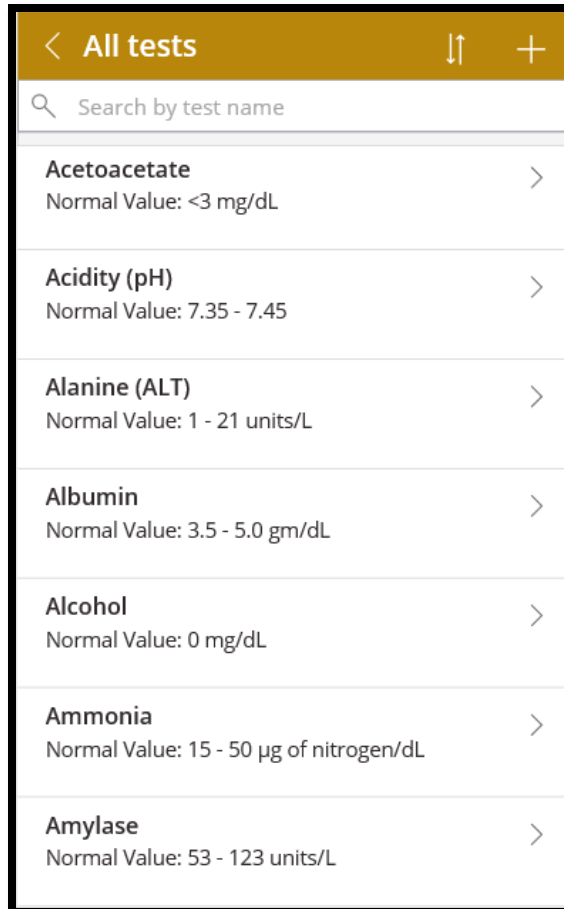
\* Test code  
PR

\* Test name  
Protein



\* Normal value range  
6 to 8.3 g/dL

\* Price  
200

7. To view the details of the test, click on the test in the listing screen



8. It will display the details entered for the selected test,

< Test details  



Test code  
BIL

Test name  
Bilirubin

Normal value range  
Direct: up to 0.4 mg/dL

Price  
\$60.00

9. To edit the test, click on (  ) icon in the screen header.

< Edit test  


\* Test code

\* Test name

\* Normal value range

\* Price



10. Make changes to the details and click on the save (  ) icon.

11. To delete the test, click on the (  ) icon in the 'Edit test' screen.

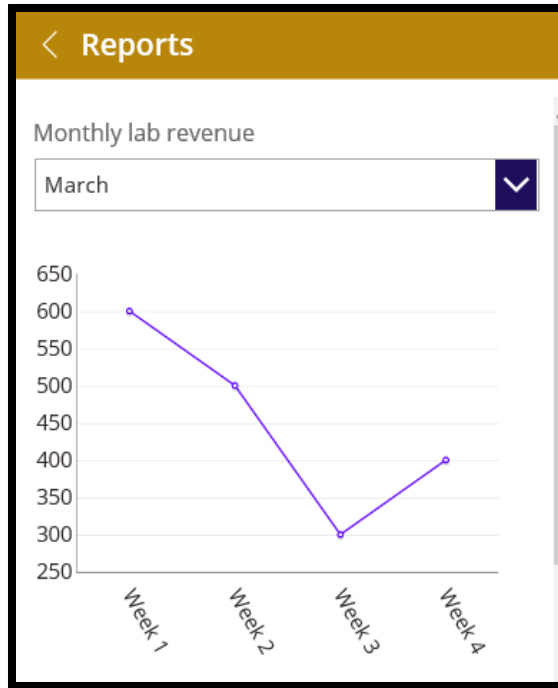
## I. Reports/Analytics

### 1. Feature Highlights

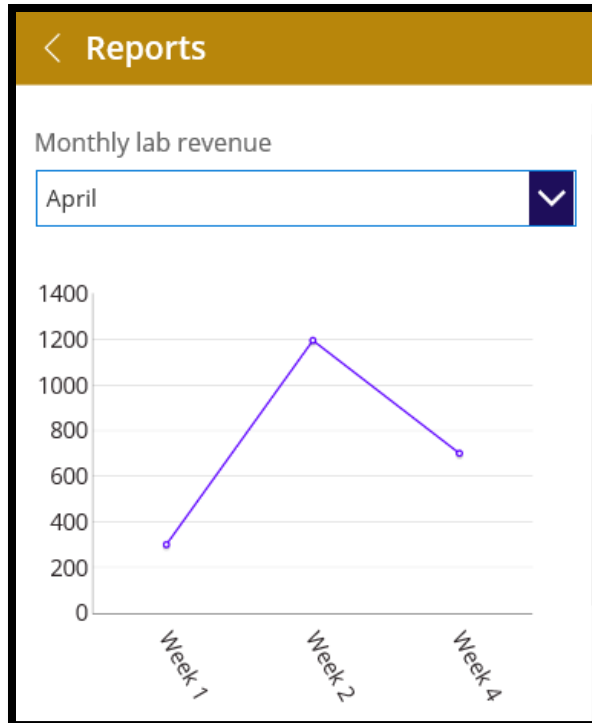
Reports that helps to understand the performance of the lab with few key performance indicators.

### 2. Steps to be followed

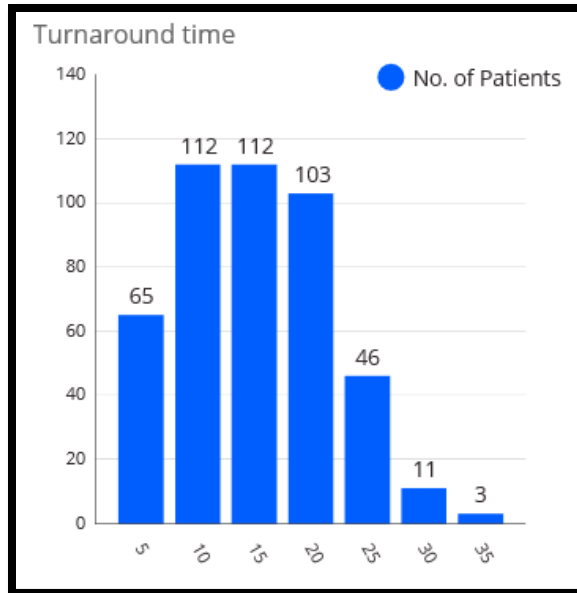
1. When the 'Reports' menu is clicked in the home screen, it will display the following reports,
  - a. Monthly lab revenue
  - b. Turnaround time
  - c. Test status
2. The Monthly lab revenue report depicts the revenue gained by the hospital/lab across the weeks of all the months in the current year.



3. Select the month from the dropdown to view the revenue based on the specific month.



4. The turnaround time report depicts the measure of the lab's quick service or response by showing the count of patients served for the specific TATs in minutes. This clearly explains the time taken for the reports to be dispatched for the patients enabling the lab authorities to understand and improve their efficiency.



5. The test status report provides a ratio of the number of tests to its statuses. This helps to understand the rate of tests which are in different statuses and depicts the number of tests pending to be dispatched.

