

User Manual – GoLab

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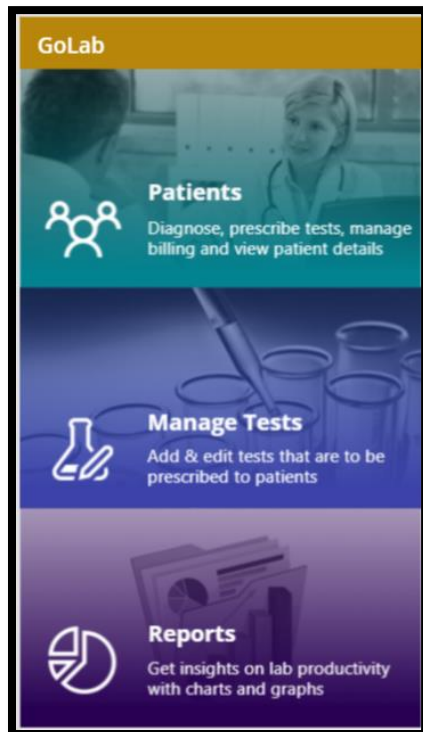
A. Home

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.

B. 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.

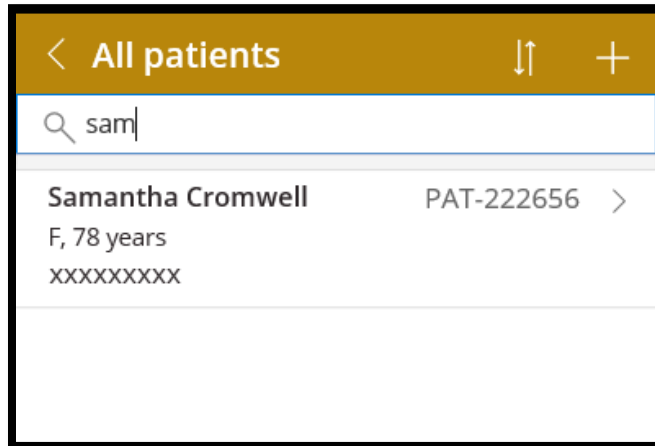
2. Steps to be followed



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	PAT-222653	>
F, 74 years xxxxxxxxxx		
Candice Akon Obro	PAT-222654	>
F, 72 years xxxxxxxxxx		
Carla Houston	PAT-222651	>
F, 38 years xxxxxxxxxx		
Levi Naomi	PAT-222655	>
M, 47 years xxxxxxxxxx		
Logan Violet	PAT-222657	>
M, 88 years xxxxxxxxxx		
Sally Kristy	PAT-222652	>
F, 28 years xxxxxxxxxx		
Samantha Cromwell	PAT-222656	>
F, 78 years xxxxxxxxxx		

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.




< Add new patient ✓

* Patient code

* First name

* Last name

* Gender
 M
 F

* Date of birth
 

Phone number

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.




< Add new patient ✓

* 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

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

* First name

* Last name

* Gender
 M
 F

* Date of birth
 

Phone number

Email address

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.



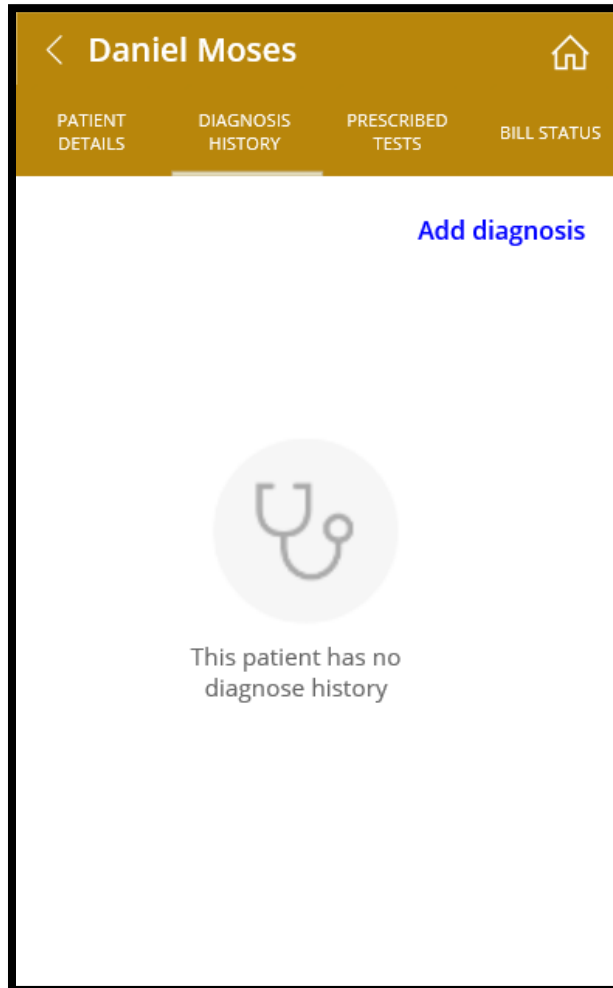
C. Diagnosis

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.



< Diagnose ✓

Patient code PAT-12098

Full name Daniel Moses

Diagnosis

Select a diagnosis ▼ + Add diagnosis

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

< Diagnose ✓

Patient code PAT-12098


Full name Daniel Moses

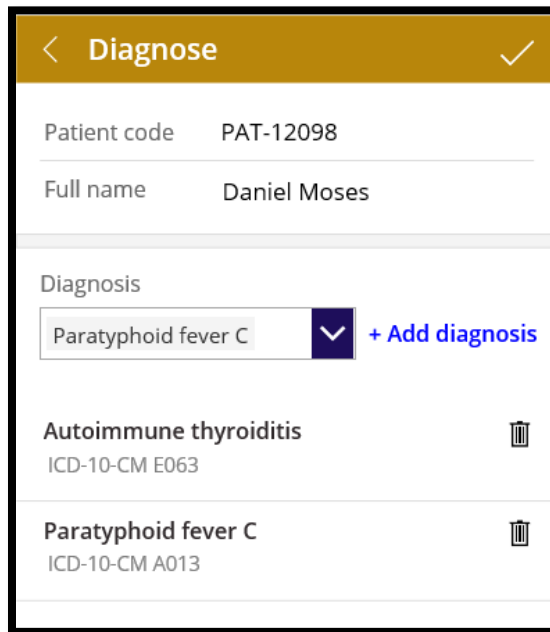
Diagnosis

Autoimmune thyroiditis ▼ + Add diagnosis

Autoimmune thyroiditis ICD-10-CM E063 🗑️



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 ✓

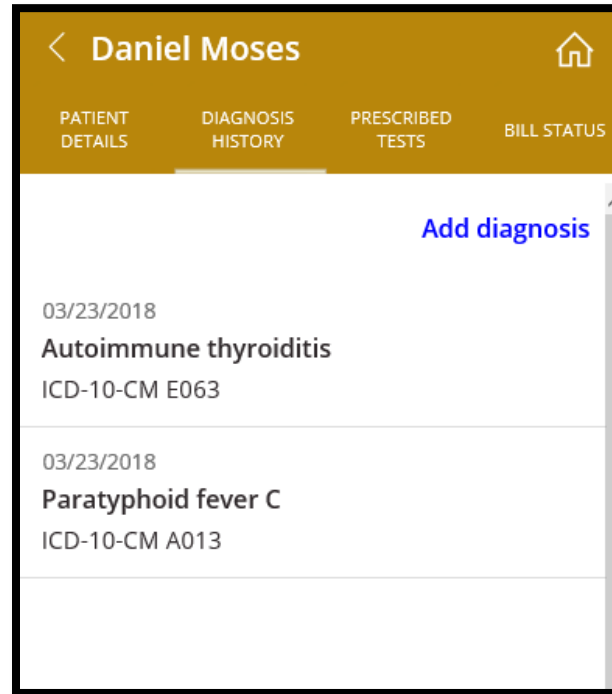
Patient code PAT-12098

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.



D. Test Prescriptions

1. Feature Highlights

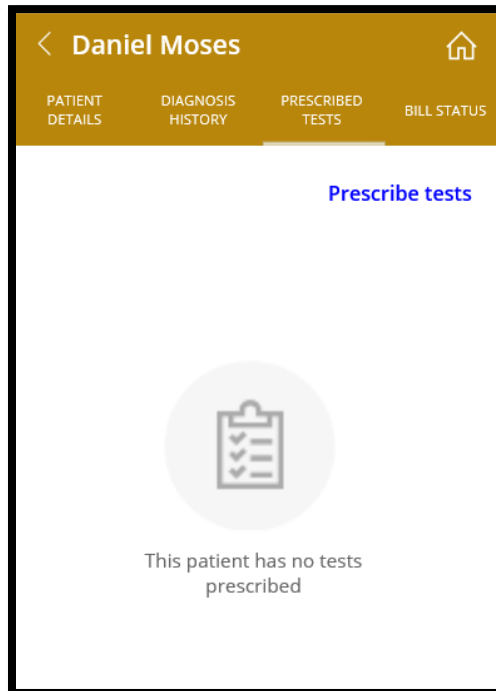
This feature displays the patient's test prescriptions history and provides option to prescribe one or more tests which are available in the hospital/laboratory.

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 7th step of the [Diagnosis](#) section.




< Prescribe tests ✓

Patient code PAT-12098

Full name Daniel Moses

Prescribe test

Select a test ▼ + 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.



< Prescribe tests ✓

Patient code PAT-12098

Full name Daniel Moses

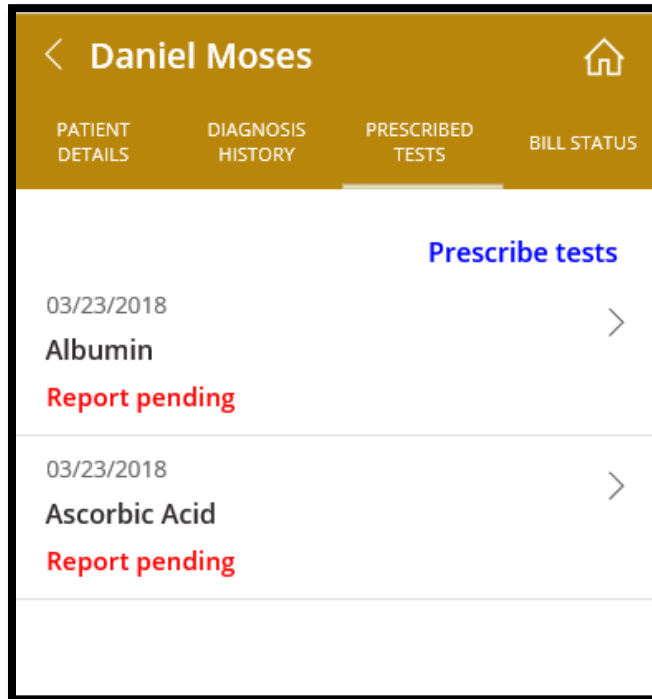
Prescribe test

Ascorbic Acid ▼ + Add test

Albumin 🗑️

Ascorbic Acid 🗑️

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.



E. 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.



< Daniel Moses 

PATIENT DETAILS DIAGNOSIS HISTORY **PRESCRIBED TESTS** BILL STATUS


[Prescribe tests](#)

03/23/2018 >
Albumin
Report pending

03/23/2018 >
Ascorbic Acid
Report pending

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

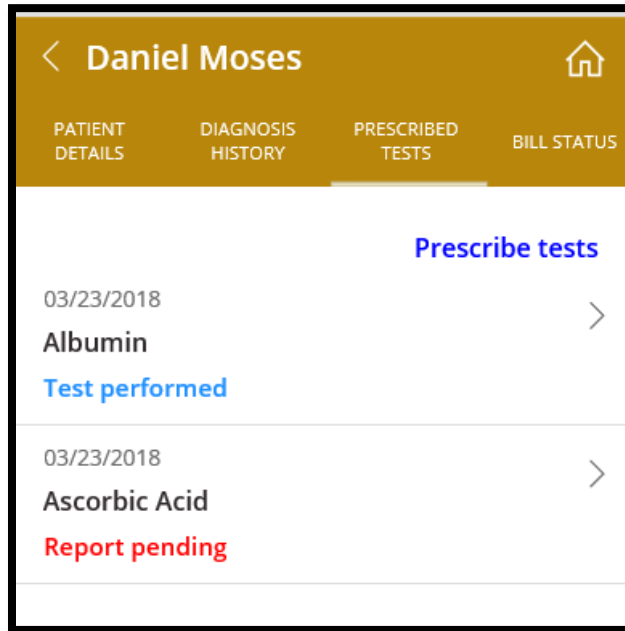
Test complete

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

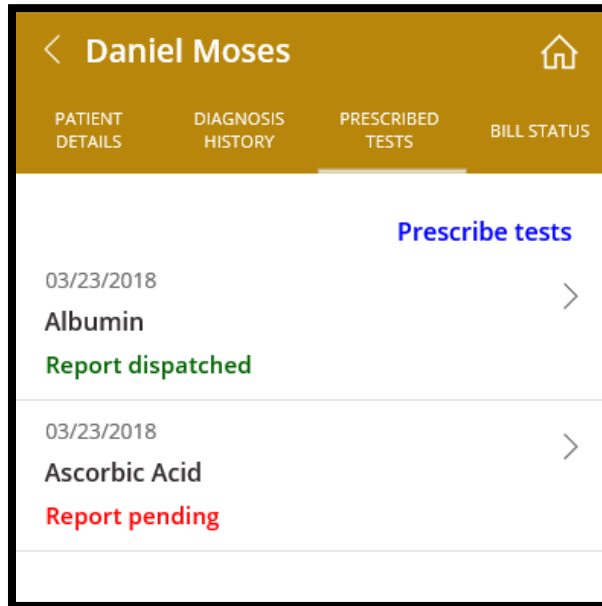
Normal value range = 3.5 - 5.0 gm/dL

Result unit
gm/dl

Normal/abnormal flag
Abnormal

Dispatch report

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



F. 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.



< Daniel Moses 

PATIENT DETAILS DIAGNOSIS HISTORY PRESCRIBED TESTS BILL STATUS

[Edit bill](#)

Bill total \$975.00 (USD)

Billed
No

Date billed

Time billed

Amount billed

Bill paid
No

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 

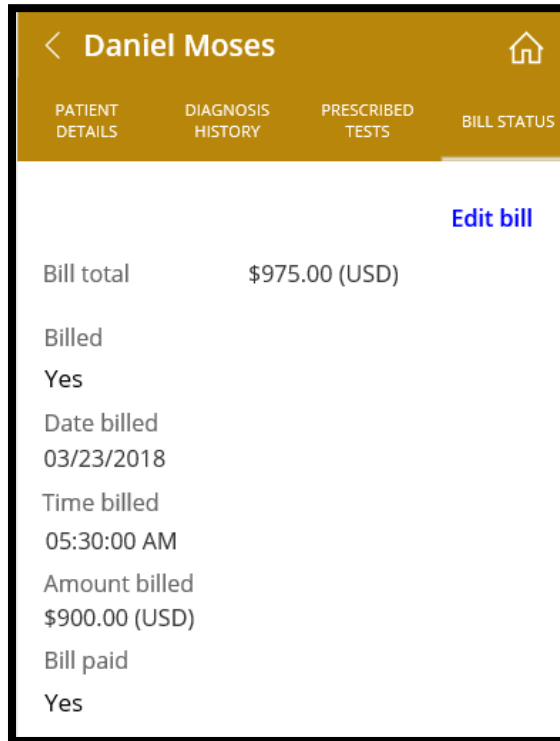
Amount billed


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.

G. Manage Tests

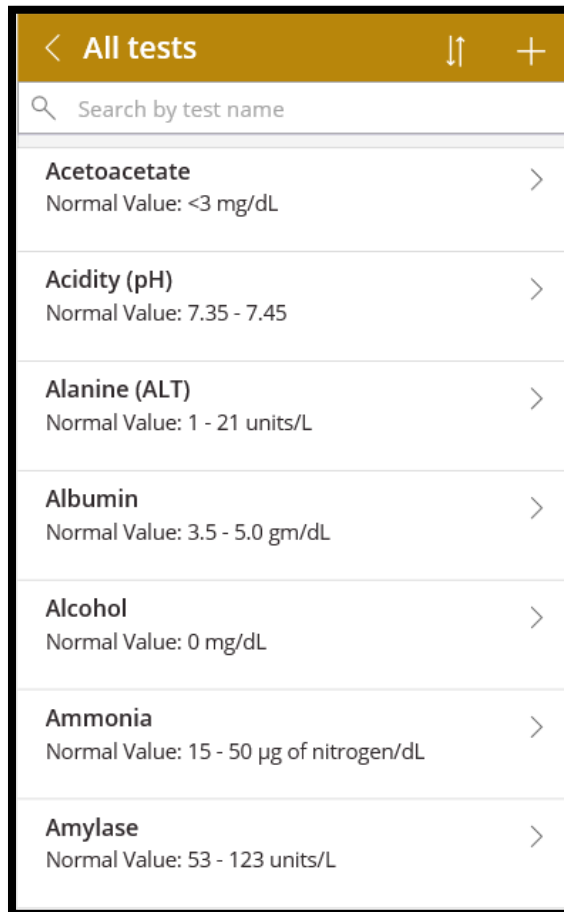
1. Feature Highlights

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.



All tests	
Alanine (ALT)	>
Normal Value: 1 - 21 units/L	
Albumin	>
Normal Value: 3.5 - 5.0 gm/dL	
Alcohol	>
Normal Value: 0 mg/dL	
Calcium	>
Normal Value: 8.2 - 10.6 mg/dL	
Osmolality	>
Normal Value: 280 - 296 mOsm/kg water	
Oxygen Saturation (arterial)	>
Normal Value: 96 - 100%	

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

* Test name

* Normal value range

* Price



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



< All tests		↑↓	+
🔍 Search by test name			
Acetoacetate	>		
Normal Value: <3 mg/dL			
Acidity (pH)	>		
Normal Value: 7.35 - 7.45			
Alanine (ALT)	>		
Normal Value: 1 - 21 units/L			
Albumin	>		
Normal Value: 3.5 - 5.0 gm/dL			
Alcohol	>		
Normal Value: 0 mg/dL			
Ammonia	>		
Normal Value: 15 - 50 µg of nitrogen/dL			
Amylase	>		
Normal Value: 53 - 123 units/L			

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.

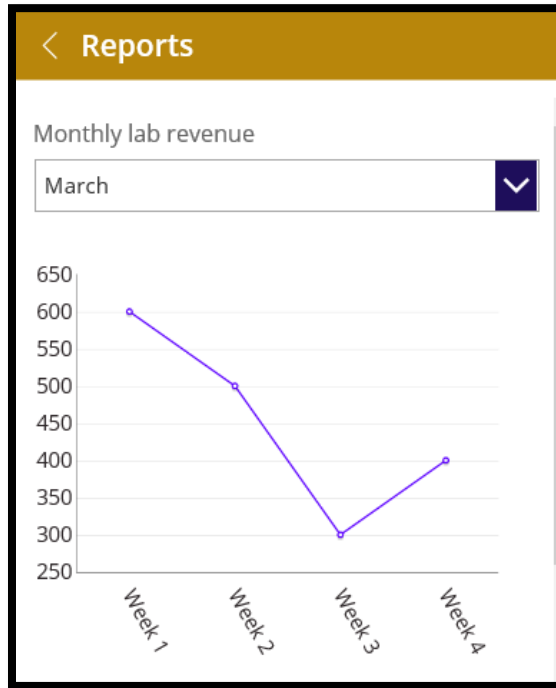
H. Reports/Analytics

1. Feature Highlights

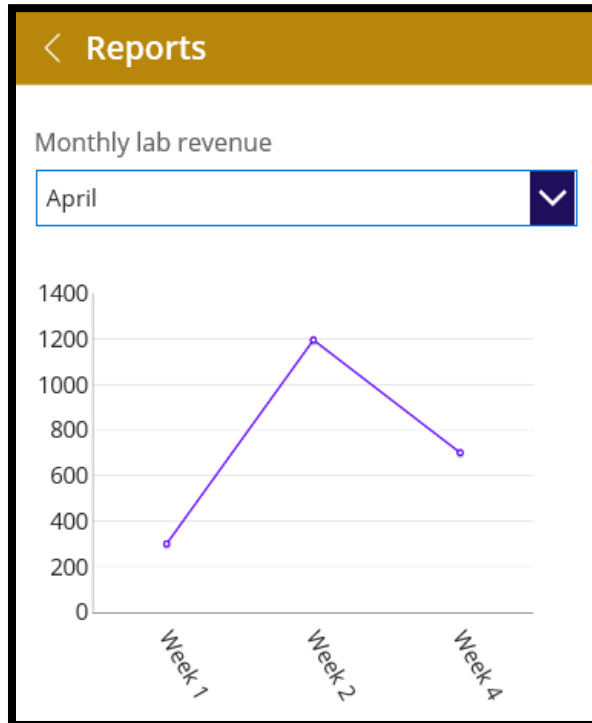
Reports that helps to understand the performance of the lab with few key performance indicators.

2. Steps to be followed

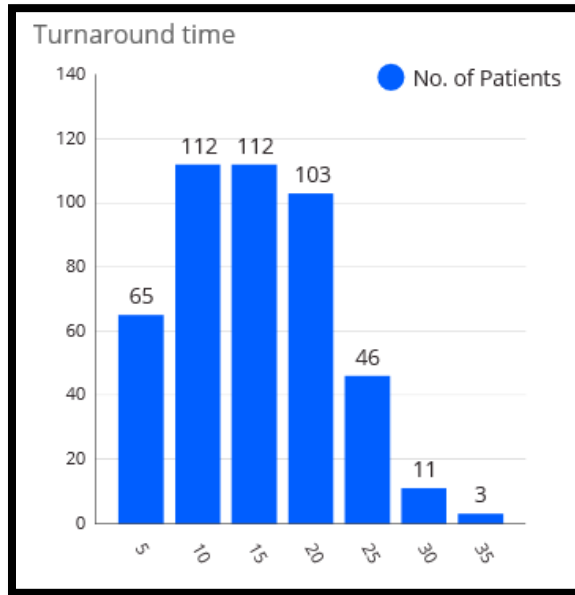
1. When the 'Reports' menu is clicked in the home screen, it will display the following reports,
 - a. Monthly lab revenue
 - b. Turnaround time
 - c. Test status
2. The Monthly lab revenue report depicts the revenue gained by the hospital/lab across the weeks of all the months in the current year.



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.

