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Introduction to PropPulse – Hospital Management Sysytem Documentation

Welcome to the documentation for our Hospital Management System (PropPulse)! This comprehensive guide is designed to assist users in navigating and utilizing the functionalities of our system effectively. The PropPulse is a sophisticated software solution tailored to streamline the operations of healthcare facilities, enhancing efficiency, accuracy, and patient care.

Purpose: The primary objective of this documentation is to provide a comprehensive resource for users, including administrators & healthcare professionals, , enabling them to leverage the full potential of the hospital management system. Whether you are new to the system or seeking to expand your understanding, this guide will equip you with the necessary knowledge to optimize your workflow and improve patient outcomes.

Scope: This documentation covers every aspect of the hospital management system, including account creation, user management, patient management, appointment scheduling, billing, reporting, and more. Each module is described in detail, with step-by-step instructions and illustrative examples to facilitate ease of use and understanding.

Audience: This documentation is intended for a diverse audience, including but not limited to:

1. Administrators: Responsible for system setup, configuration, and maintenance.

2. *Healthcare Professionals: Including doctors, nurses, and support staff involved in patient care and management.*
3. *Billing and Administrative Staff: Involved in financial transactions, insurance claims, and administrative tasks.*

Organization: *The documentation is organized into sections, each focusing on a specific aspect of the Hospital Management System. These sections are structured logically to guide users through the various functionalities and workflows of the system. Whether you are looking to perform a specific task or gain a comprehensive understanding of the system's capabilities, you will find relevant information organized for easy reference.*

Navigating the Documentation: *To locate information on a particular topic or feature, users can utilize the table of contents provided in this document.*

Feedback and Support: *We value your feedback and are committed to continuously improving our hospital management system and its documentation. If you have any questions, suggestions, or encounter any issues while using the system or this documentation, please don't hesitate to reach out to our support team. Your input is invaluable in helping us deliver a superior user experience and achieve our goal of revolutionizing healthcare management.*

Thank you for choosing our PropPulse. We trust that this documentation will serve as a valuable resource in your journey towards efficient and effective healthcare management.

- Login Page for admins and healthcare providers



Above is the login page for users (administrators & healthcare professionals).

*To login, type the email address & password and press **LOGIN**; in case you forgot the password, type your email address and press **FORGET PASSWORD** and a reset link will be sent to your email;*

The screenshot displays the PROPPULSE system interface. The top header features the PROPPULSE logo, a 'Create New' button, a search bar, and a user profile for 'System Administrator'. The left sidebar contains a 'NAVIGATION' menu with links to various system modules. The main content area is titled 'Accounts Requesting For Password Resets' and includes a search bar and a table with columns for '#', 'Email', 'Password Reset Token', 'Date Requested', and 'Action'. The table is currently empty. The footer indicates the system was developed by the ParkPulse Team at Park Innovation in 2023-2024.

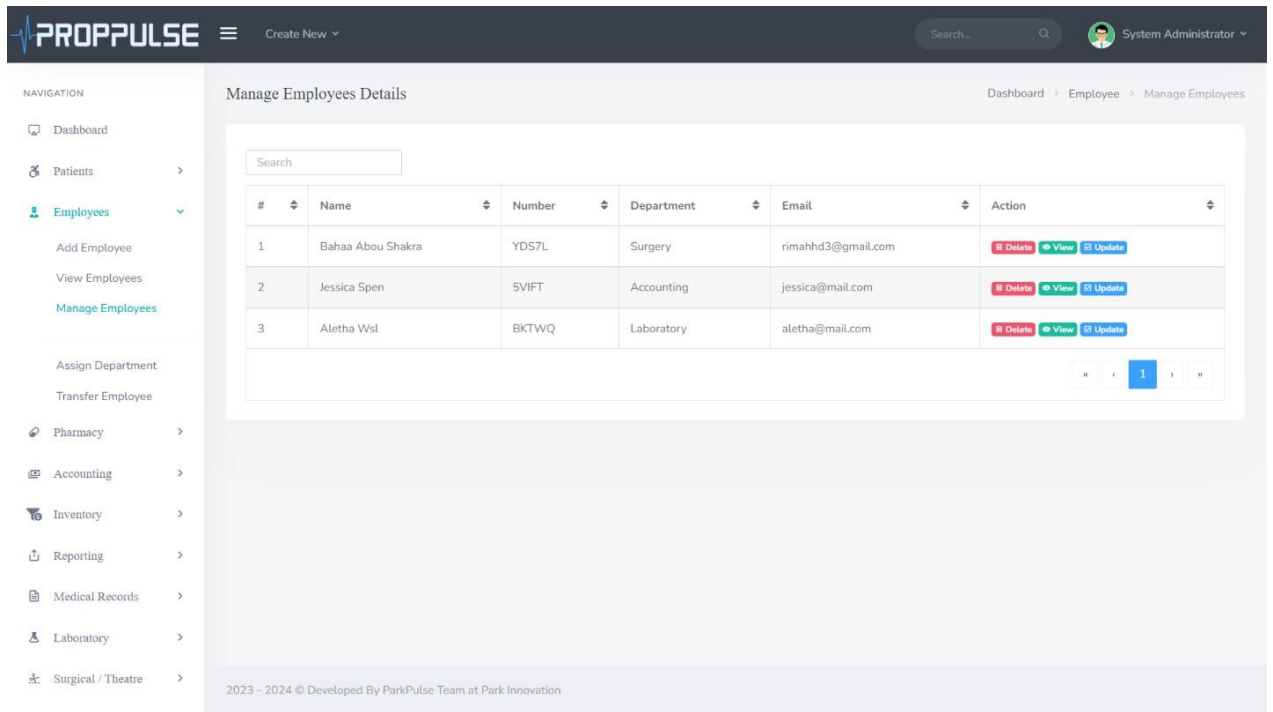
#	Email	Password Reset Token	Date Requested	Action
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and it appears to system the administrator as above.

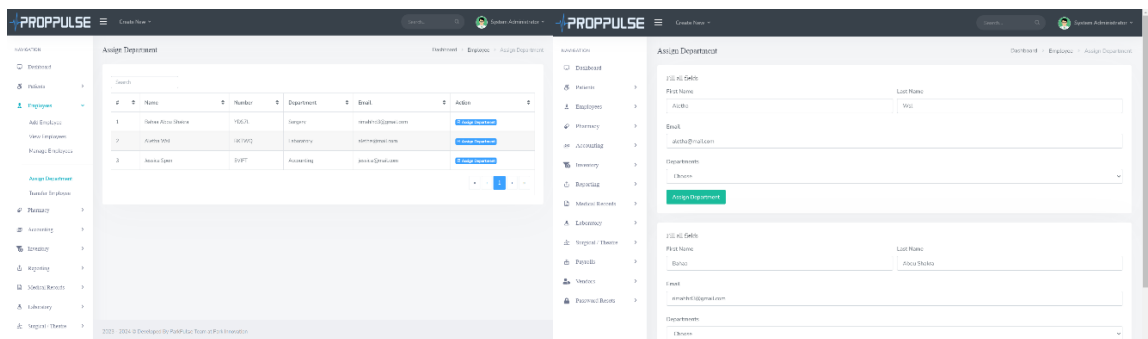
{password reset}

Note: Administrators have more features that healthcare professionals that can only manage patients' appointments, details... and their own billing and inventory, they are responsible for employee management, inventory management, vendors, AR/AP...

- System administrator – Employee management

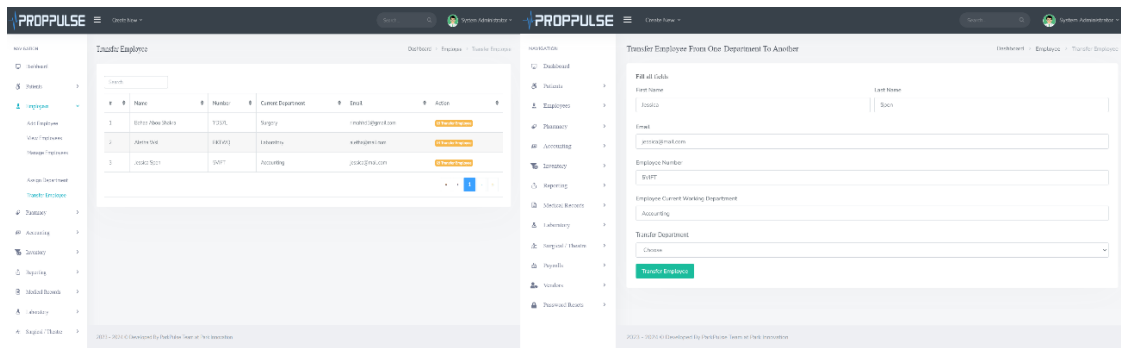


As you can see above, upon login as a system administrator, you can add, view and manage employees and assigning them to a certain department or transferring them from one department to another.



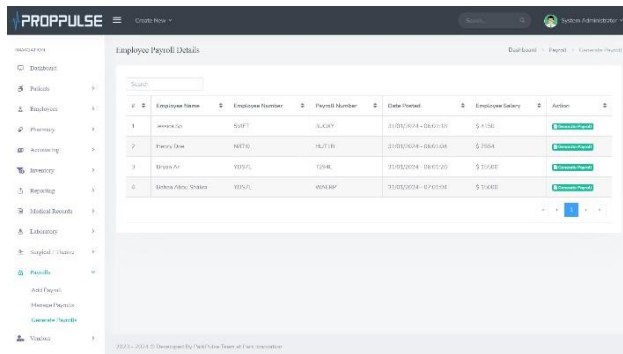
Here you can view and assign a department for each employee.

Rimah Houssameldine & Wissam
Hassan
DEVOPS-CODEHIGHER-PARKPULSE



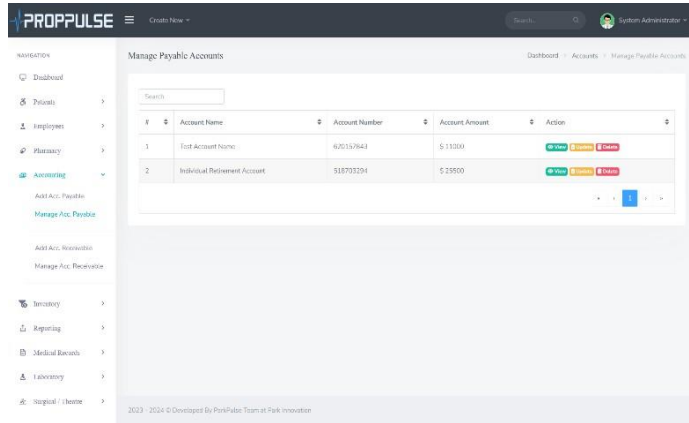
The above page shows how to transfer an employee from one department to another.

- System administrator – Employee payrolls details



This picture shows how to navigate to and manage the employees' payrolls details.

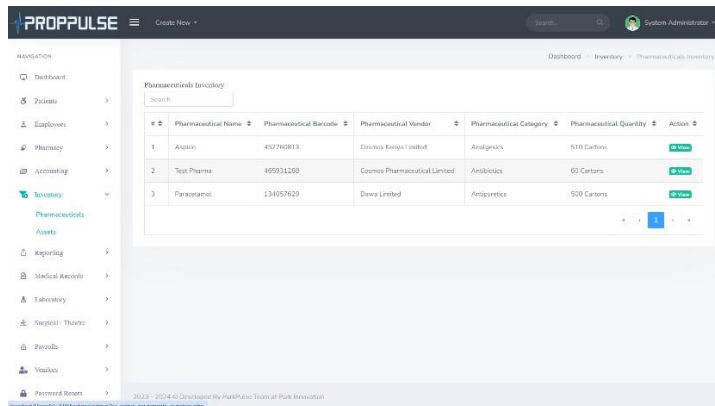
- System administrator – Accounting



ID	Account Name	Account Number	Account Amount	Action
1	Test Account Name	402167943	\$ 11000	View Update Delete
2	Individual Retirement Account	518703204	\$ 25000	View Update Delete

As shown above, you can view, update and delete accounts payables and receivables.

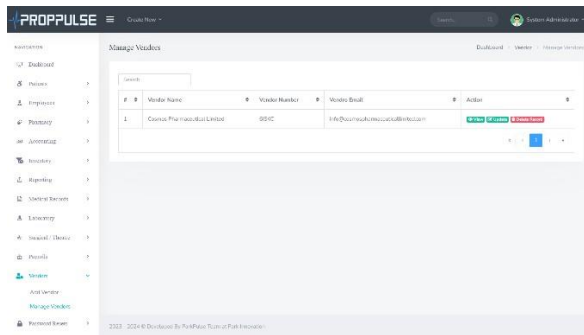
- System administrator – Inventory



ID	Pharmaceutical Name	Pharmaceutical Barcode	Pharmaceutical Vendor	Pharmaceutical Category	Pharmaceutical Quantity	Action
1	Aspirin	457260813	Envision Kenya Limited	Analgesics	510 Cartons	View
2	Test Pharma	405031200	Genexa Pharmaceutical Limited	Antibiotics	60 Cartons	View
3	Paracetamol	134057620	Derna Limited	Antiparitics	500 Cartons	View

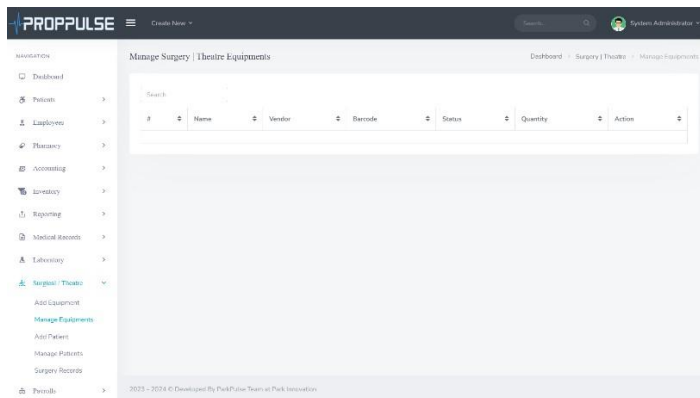
Here you can view inventory's pharmaceuticals and assets.

- System administrator – Vendors



This feature allows the admin to view, update and delete vendor's records.

- System administrator – Surgical/Theatre equipment



It allows to add & manage equipment, patients and records.

- System administrator - Pharmacy

#	Name	Barcode	Vendor	Category	Quantity	Action
1	Test Pharma	460911288	Crixos Pharmaceuticals Limited	Antibiotics	80 Cartons	View Delete
2	Paracetamol	134057629	Dawa Limited	Antipyretics	500 Cartons	View Delete
3	Aspirin	457768913	Crixos Kenya Limited	Analgesics	510 Cartons	View Delete

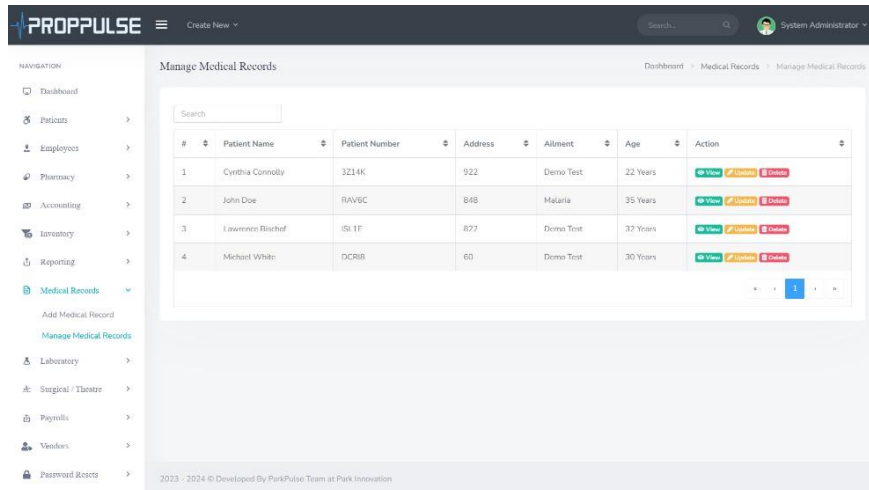
What appears on the dashboard gives a clear view on how to add, view & manage categories, pharmaceuticals & prescriptions.

- System administrator - Reporting

#	Patient Name	Patient Number	Patient Address	Patient Phone	Patient Age	Action
1	Helen Macdougall	KU8W4	685	1458889655	42 Years	View

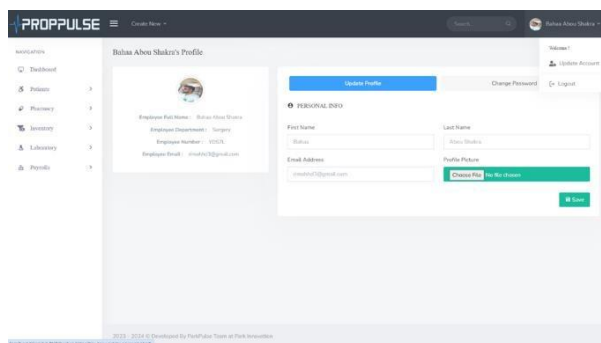
The above allows to view all types of records.

- System administrator - Medical records



It allows to view, update and delete medical records.

- Health Care Provider - Profile



This shows the health care provider's profile

- Health Care Provider – Dashboard

PROPPULSE Create New Search Bahaa Abou Shakra

NAVIGATION

- Dashboard
- Patients
- Pharmacy
- Inventory
- Laboratory
- Payrolls

Hospital Management Information System Dashboard

5 Patients 2 Corporation Assets 3 Pharmaceuticals

My Profile My Payroll

Patients

Name	Address	Mobile Phone	Category	Ailment	Age	Action
Mi Wwww	60 Radford Street	1458887854	InPatient	Demo Test	30 Years	View
Christine Moore	117	7412569698	InPatient	Demo Test	28 Years	View
Cynthia Connolly	456	1478885458	Choose	Demo Test	22 Years	View
Lawrence Bischof	82	7412225698	InPatient	Demo Test	32 Years	View
Helen Macdougall	685	1458889655	OutPatient	Test Test	42 Years	View

- Health Care Provider – Patient

PROPPULSE Create New Search Bahaa Abou Shakra

NAVIGATION

- Dashboard
- Patients
- Pharmacy
- Inventory
- Laboratory
- Payrolls

Manage Patient Details

Dashboard Patients Manage Patients

Search

#	Patient Name	Patient Number	Patient Address	Patient Category	Action
1	Helen Macdougall	KUBW4	685	OutPatient	View Update
2	Cynthia Connolly	WX75H	456	Choose	View Update
3	Mi Wwww	DCRIB	60 Radford Street	InPatient	View Update
4	Christine Moore	4TLGD	117	InPatient	View Update
5	Lawrence Bischof	ISL1E	82	InPatient	View Update
6	Rimah Houssameldine	9GBRC	Kfarnabrakh street	Choose	View Update

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It allows to view and update patients' profile and records

The screenshot displays the PROPPULSE application interface. The top navigation bar includes the PROPPULSE logo, a menu icon, a 'Create New' button, a search bar, and a user profile for 'Bahaa Abou Shakra'. The left sidebar lists navigation options: Dashboard, Patients, Pharmacy, Inventory, Laboratory, and Payrolls. The main content area is titled 'Mi Wwww's Profile' and shows a patient's details: Full Name (Mi Wwww), Mobile (1458887854), Address (60 Radford Street), Date Of Birth (02/02/1992), Age (30 Years), Ailment (Demo Test), and Date Recorded (30/01/2024 - 05:01). To the right, there are tabs for 'Prescription', 'Vitals' (selected), and 'Lab Records'. Below the 'Vitals' tab, a table lists vitals data: Body Temperature, Heart Rate/Pulse, Respiratory Rate, Blood Pressure, and Date Recorded. The footer indicates '2023 - 2024 © Developed By ParkPulse Team at Park Innovation'.

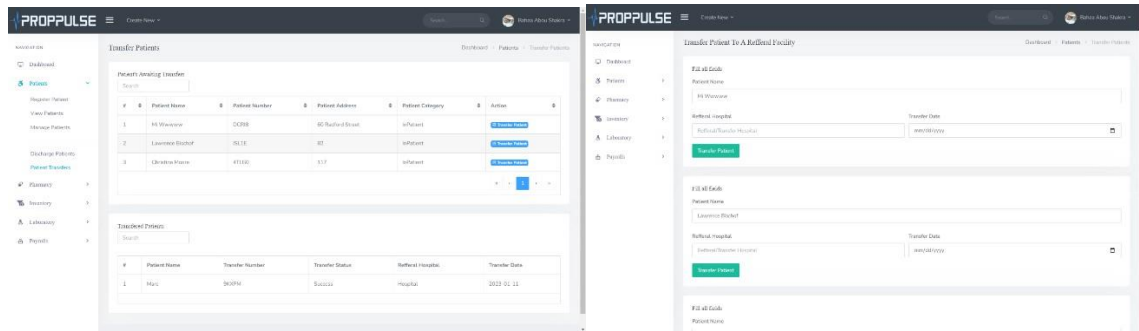
- Health Care Provider - Registry

The screenshot shows the 'Add Patient' form in the PROPPULSE application. The form includes fields for Patient Name, Date of Birth, Age, Address, and a dropdown for Patient Type. A 'Success' message is displayed, indicating that the patient has been added successfully. The right sidebar shows a list of patients with columns for Name, Age, and Status.

patient registry

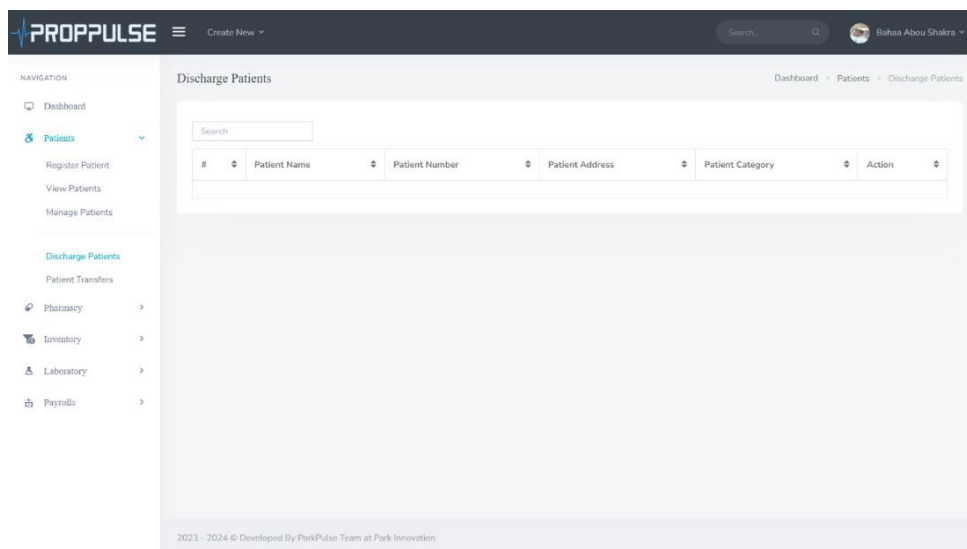
The screenshot displays the 'Add Patient Details' page in the PROPPULSE application. The page shows a form for adding a new patient, with fields for Patient Name, Date of Birth, Address, and Patient Type. A 'Success' message is displayed, indicating that the patient has been added successfully. The left sidebar lists navigation options: Dashboard, Patients, Pharmacy, Inventory, Laboratory, and Payrolls. The footer indicates '2023 - 2024 © Developed By ParkPulse Team at Park Innovation'.

- Health Care Provider - Transfer



It allows to transfer patients from one section to another

- Health Care Provider - Discharge



for billing and invoice cancelation

- Health Care Provider - Record

The screenshot shows a web application interface for a patient record. The header includes the logo 'PROPPULSE', a 'Create New' button, a search bar, and a user profile for 'Rahma Abou Shakra'. The left sidebar lists navigation items: Dashboard, Patients, Pharmacy, Inventory, Laboratory, and Payroll. The main content area is titled '#RA4UM' and contains a large folder icon with a person and a plus sign. To the right of the icon, the patient's details are listed: Patient's Name: Christine Ms, Patient Number: 4TLG0, Patient Ailment: Demo Test, and Date Recorded: 31/01/2024 - 05:01:44. Below this, there are sections for 'Laboratory Test' and 'Laboratory Result', each with a list of items.

Laboratory Test	
1.	Test One
2.	Test Two
3.	Test Three
4.	Test Four
5.	Test Five

Laboratory Result	
1.	Result One
2.	Result Two
3.	Result Three

Patient record

- Health Care Provider - Inventory

The screenshot shows a web application interface for an equipment inventory. The header includes the logo 'PROPPULSE', a 'Create New' button, a search bar, and a user profile for 'Rahma Abou Shakra'. The left sidebar lists navigation items: Dashboard, Patients, Pharmacy, Inventory, Laboratory, and Payroll. The main content area is titled 'Assets | Equipment Inventory' and contains a table with columns: #, Equipment Name, Equipment Code, Equipment Vendor, Equipment Department, Equipment Quantity, and Action. The table has two rows of data. Below the table, there is a pagination control showing '1' of 1 pages.

#	Equipment Name	Equipment Code	Equipment Vendor	Equipment Department	Equipment Quantity	Action
1	Surgical Robot	062367981	Nexus	Surgical	1000	View
2	Test Tubes	178640239	Casio	Laboratory	7000	View

Here you can view the overall inventory

- Health Care Provider - Laboratory

#	Patient Name	Patient Number	Patient Allment	Date Lab Test Conducted	Action
1	Marc	6PB4J	Fever	31/01/2024	View Lab Report
2	Lozem Ips	7EWOL	Flu	31/01/2024	View Lab Report
3	John Die	RAVSC	Malaria	31/01/2024	View Lab Report
4	Christine Mo	4TLGO	Demo Test	31/01/2024	View Lab Report
5	Cynthia Con	3Z14K	Demo Test	31/01/2024	View Lab Report

For viewing lab results and reports

- Health Care Provider - Payroll

Patient Name	Patient Number	Patient Allment	Date Lab Test Conducted	Action
Marc	6PB4J	Fever	31/01/2024	View Lab Report
Lozem Ips	7EWOL	Flu	31/01/2024	View Lab Report
John Die	RAVSC	Malaria	31/01/2024	View Lab Report
Christine Mo	4TLGO	Demo Test	31/01/2024	View Lab Report
Cynthia Con	3Z14K	Demo Test	31/01/2024	View Lab Report

Payrolls and balances

- Logout



DevOps CodeHigher
ParkPulse PropPulse