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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: Dashboard, Patients, Employees, Pharmacy, Accounting, Inventory, Reporting, Medical Records, Laboratory, Surgical / Theatre, Payrolls, Vendors, Password Resets (highlighted), and Manage. The main content area is titled 'Accounts Requesting For Password Resets' and includes a breadcrumb trail: 'Dashboard > Password Resets > Manage'. Below the title is a search bar and a table with the following columns: '#', 'Email', 'Password Reset Token', 'Date Requested', and 'Action'. The table is currently empty. At the bottom of the page, a footer note reads: '2023 - 2024 © Developed By ParkPulse Team at Park Innovation'.

and it appears to system the administrator as above.

{password reset}

Note: Administrators have more features than 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*

The screenshot shows the 'Manage Employees Details' page in the PROPPULSE system. The page has a sidebar with navigation options: Dashboard, Patients, Employees (selected), Add Employee, View Employees, Manage Employees, Assign Department, and Transfer Employee. The main content area displays a table of employees with columns: #, Name, Number, Department, Email, and Action. The table contains three rows of employee data. Below the table is a pagination control showing page 1 of 1.

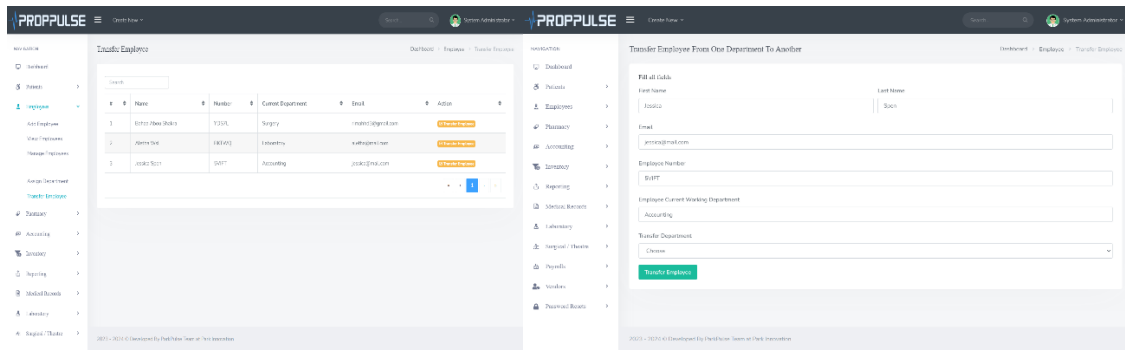
#	Name	Number	Department	Email	Action
1	Bahaa Abou Shakra	YDS7L	Surgery	rimahhd3@gmail.com	Delete View Update
2	Jessica Spen	5VIFT	Accounting	jessica@mail.com	Delete View Update
3	Aletha Wsl	BKTWQ	Laboratory	aletha@mail.com	Delete View Update

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.

The two screenshots show the 'Assign Department' page in the PROPPULSE system. The left screenshot shows a table of employees with columns: #, Name, Number, Department, Email, and Action. The table contains three rows of employee data. The right screenshot shows a form to assign a department to an employee. The form has fields for 'First Name', 'Last Name', 'Email', and 'Department'. The 'Department' field is a dropdown menu. The form also has a 'Assign Department' button.

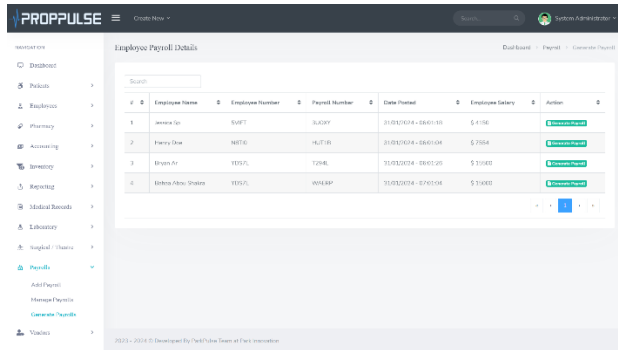
Here you can view and assign a department for each employee.

Bahaa Abou Shakra
DEVOPS-CODEHIGHER-PARKPULSE
03/03/2024



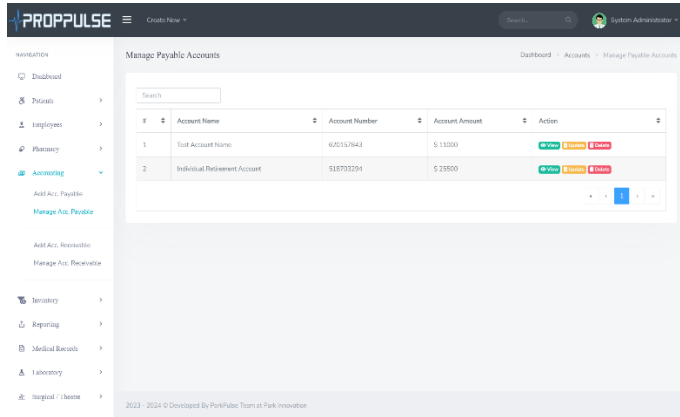
The above page shows how to transfer an employee from one department to another.

- **System administrator – Employee payrolls details**



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

- *System administrator - Accounting*

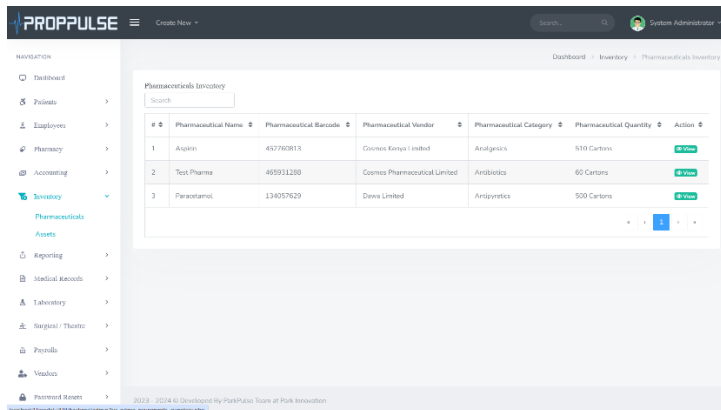


The screenshot shows the 'Manage Payable Accounts' interface. It includes a search bar and a table with columns: #, Account Name, Account Number, Account Amount, and Action. There are two rows of data. The first row is for 'Test Account Name' with account number 620157643 and amount \$ 13200. The second row is for 'Individual Retirement Account' with account number 518703204 and amount \$ 23500. Each row has 'View', 'Update', and 'Delete' buttons. The left sidebar shows navigation options like Dashboard, Patients, Employees, Pharmacy, Accounting, and Inventory. The Accounting section is expanded, showing options to Add Acc. Payable, Manage Acc. Payable, Add Acc. Receivable, and Manage Acc. Receivable.

#	Account Name	Account Number	Account Amount	Action
1	Test Account Name	620157643	\$ 13200	View Update Delete
2	Individual Retirement Account	518703204	\$ 23500	View Update Delete

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

- *System administrator - Inventory*

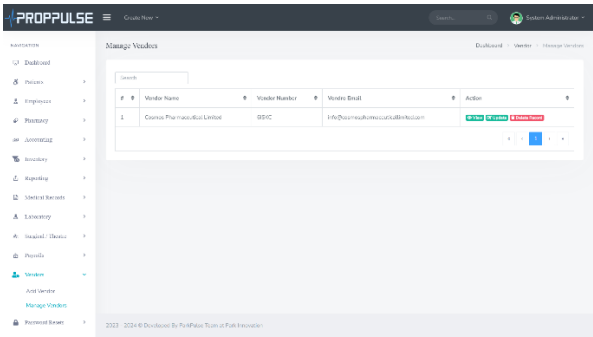


The screenshot shows the 'Pharmaceuticals Inventory' interface. It includes a search bar and a table with columns: #, Pharmaceutical Name, Pharmaceutical Barcode, Pharmaceutical Vendor, Pharmaceutical Category, Pharmaceutical Quantity, and Action. There are three rows of data. The first row is for 'Aspirin' with barcode 457762813, vendor Cosmos Kenya Limited, category Analgesics, and quantity 510 Cartons. The second row is for 'Test Pharma' with barcode 465931280, vendor Cosmos Pharmaceutical Limited, category Antibiotics, and quantity 60 Cartons. The third row is for 'Paracetamol' with barcode 134057629, vendor Dawa Limited, category Antipyretics, and quantity 500 Cartons. Each row has a 'View' button. The left sidebar shows navigation options like Dashboard, Patients, Employees, Pharmacy, Accounting, Inventory, and Reports. The Inventory section is expanded, showing options to Add Assets, Manage Assets, Add Pharmaceuticals, and Manage Pharmaceuticals.

#	Pharmaceutical Name	Pharmaceutical Barcode	Pharmaceutical Vendor	Pharmaceutical Category	Pharmaceutical Quantity	Action
1	Aspirin	457762813	Cosmos Kenya Limited	Analgesics	510 Cartons	View
2	Test Pharma	465931280	Cosmos Pharmaceutical Limited	Antibiotics	60 Cartons	View
3	Paracetamol	134057629	Dawa Limited	Antipyretics	500 Cartons	View

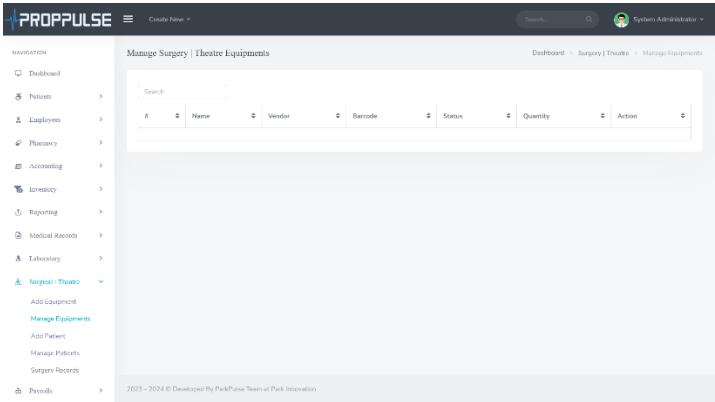
Here you can view inventory's pharmaceuticals and assets.

- *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	465011288	Cosmos Pharmaceutical Limited	Antibiotics	60 Cartons	View Delete
2	Paracetamol	134057620	Dawa Limited	Antipyretics	500 Cartons	View Delete
3	Aspirin	452760813	Cosmos Kenya Limited	Analgesics	510 Cartons	View Delete

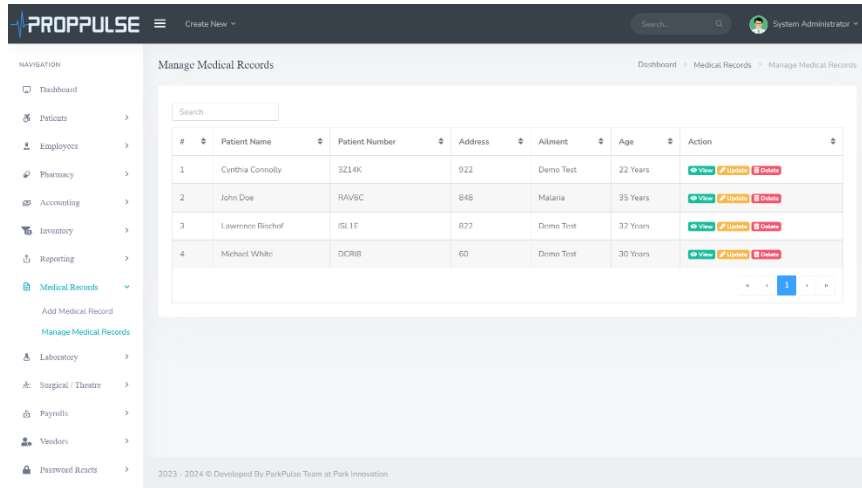
What appears on the dashboard gives a clear view on how to add, view & manage categories, pharmaceuticals & prescriptions.

- *System administrator - Reporting*

#	Patient Name	Patient Number	Patient Address	Patient Phone	Patient Age	Action
1	Helen Macdougall	KUBW4	685	1458889655	42 Years	View

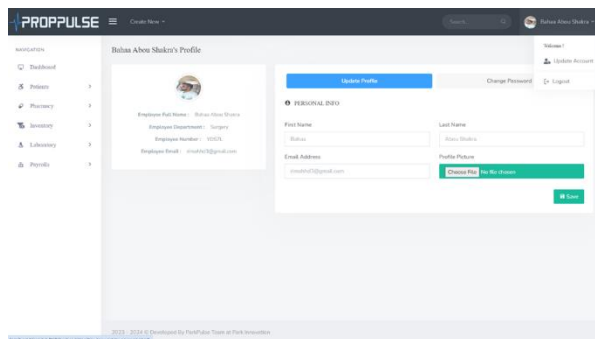
The above allows to view all types of records.

- *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	4TLG0	117	InPatient	View Update
5	Lawrence Bischof	ISLIE	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

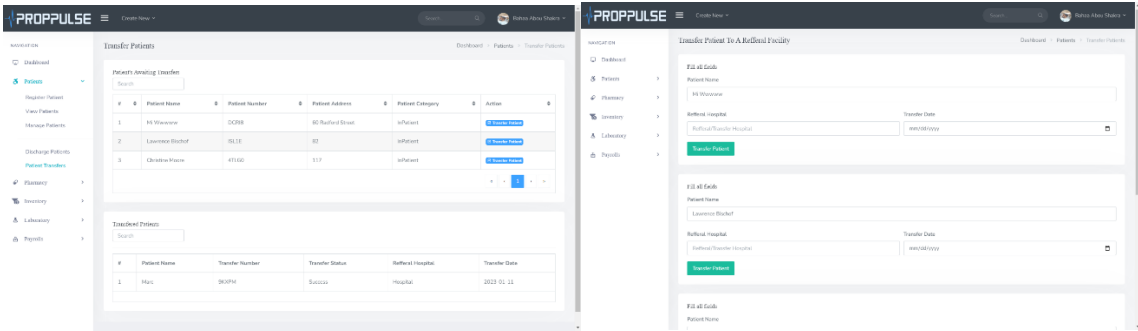
The screenshot shows the PROPPULSE application interface. The top navigation bar includes the logo, a menu icon, a 'Create New' button, a search bar, and a user profile for 'Bahaa Abou Shakra'. The left sidebar lists navigation options: Dashboard, Patients, Pharmacy, Inventory, Laboratory, and Payrolls. The main content area displays 'Mi Wwww's Profile' with a breadcrumb trail 'Dashboard > Patients > View Patients'. The profile card shows a placeholder for a profile picture and the following details: Full Name: Mi Wwww, Mobile: 1458887854, Address: 60 Radford Street, Date Of Birth: 02/02/1992, Age: 30 Years, Allment: Demo Test, and Date Recorded: 30/01/2024 - 05:01. To the right, there are tabs for 'Prescription', 'Vitals' (which is active), and 'Lab Records'. Below these tabs is a table with columns: 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 first screenshot shows the 'Add Patient Details' form in the PROPPULSE application. The form includes fields for First Name, Last Name, Patient's Date of Birth, Address, Mobile Number, and Patient's Type. A dropdown menu is open for the 'Patient's Type' field, showing options like 'Doctor', 'Nurse', 'Pharmacist', etc. The second screenshot shows the same form with a 'Success' modal dialog box displayed in the center, indicating that the patient details have been successfully added. The modal has a green checkmark icon and an 'OK' button. The footer of both screenshots reads '2023 - 2024 © Developed By ParkPulse Team at Park Innovation'.

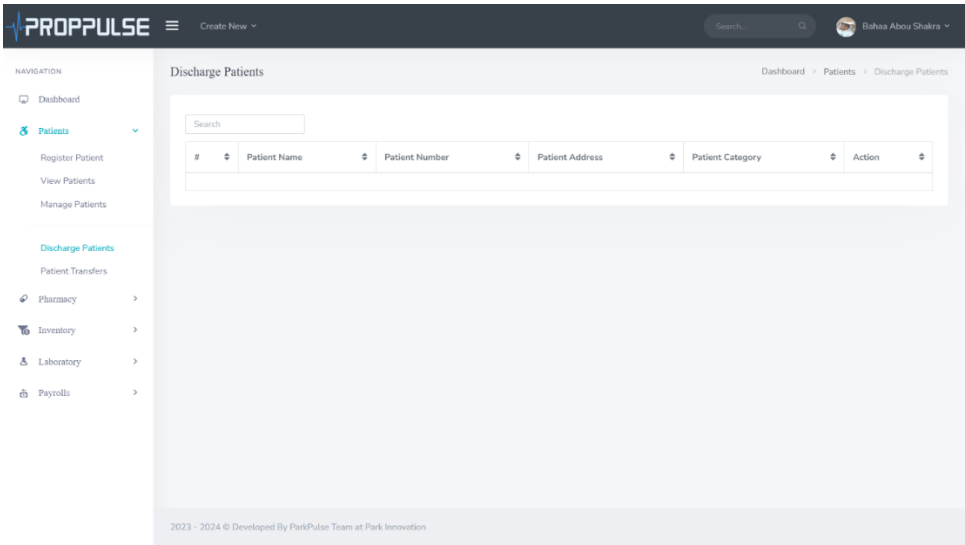
patient registry

- *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 the PROPPULSE application interface. On the left is a navigation menu with options: Dashboard, Patients, Pharmacy, Inventory, Laboratory, and Payroll. The main content area is titled '#RA4UM' and shows patient details for 'Christine Ms'. The details include 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 five items. A large icon of a folder with a person and a cross is visible on the left side of the patient record form.

Patient record

- *Health Care Provider - Inventory*

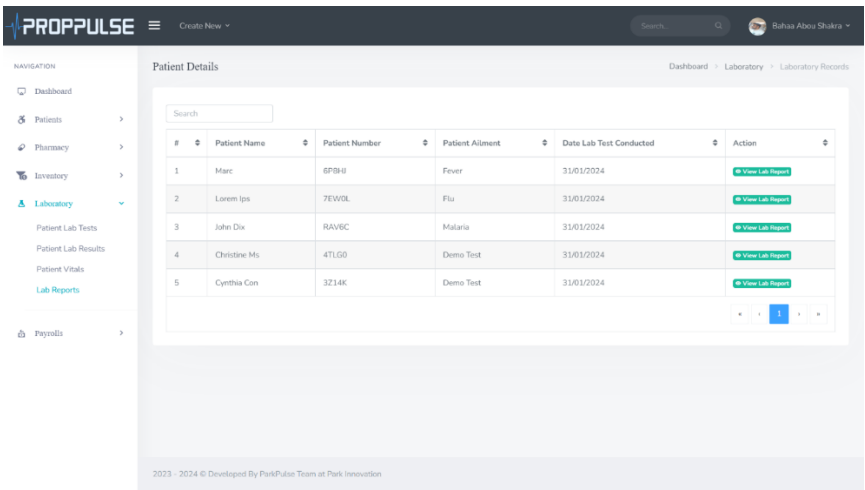
The screenshot shows the PROPPULSE application interface for the inventory section. The navigation menu on the left includes: Dashboard, Patients, Pharmacy, Inventory (selected), Pharmaceuticals, Assets, Laboratory, and Payroll. The main content area is titled 'Assets | Equipments Inventory' and displays a table with the following data:

#	Equipment Name	Equipment Code	Equipment Vendor	Equipment Department	Equipment Quantity	Action
1	Surgical Robot	052367981	Nexus	Surgical	1000	View
2	Test Tubes	178640239	Casio	Laboratory	7000	View

At the bottom of the table, there is a pagination control showing '1' of 2 pages. The footer of the application states '2023 - 2024 © Developed By ParkPulse Team at Park Innovation'.

Here you can view the overall inventory

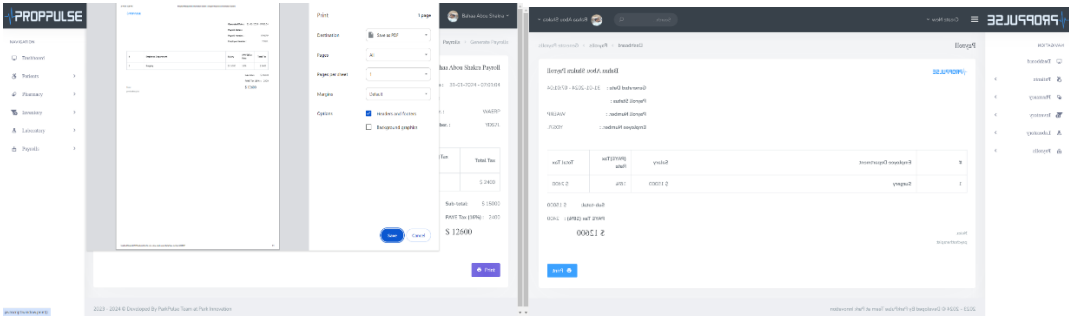
- *Health Care Provider - Laboratory*



#	Patient Name	Patient Number	Patient Allment	Date Lab Test Conducted	Action
1	Marc	6P8H0	Fever	31/03/2024	View Lab Report
2	Lozem Ips	7EV0L	Flu	31/03/2024	View Lab Report
3	John Dix	RAV6C	Malaria	31/03/2024	View Lab Report
4	Christine Mo	4TL00	Demo Test	31/03/2024	View Lab Report
5	Cynthia Con	3Z14K	Demo Test	31/03/2024	View Lab Report

For viewing lab results and reports

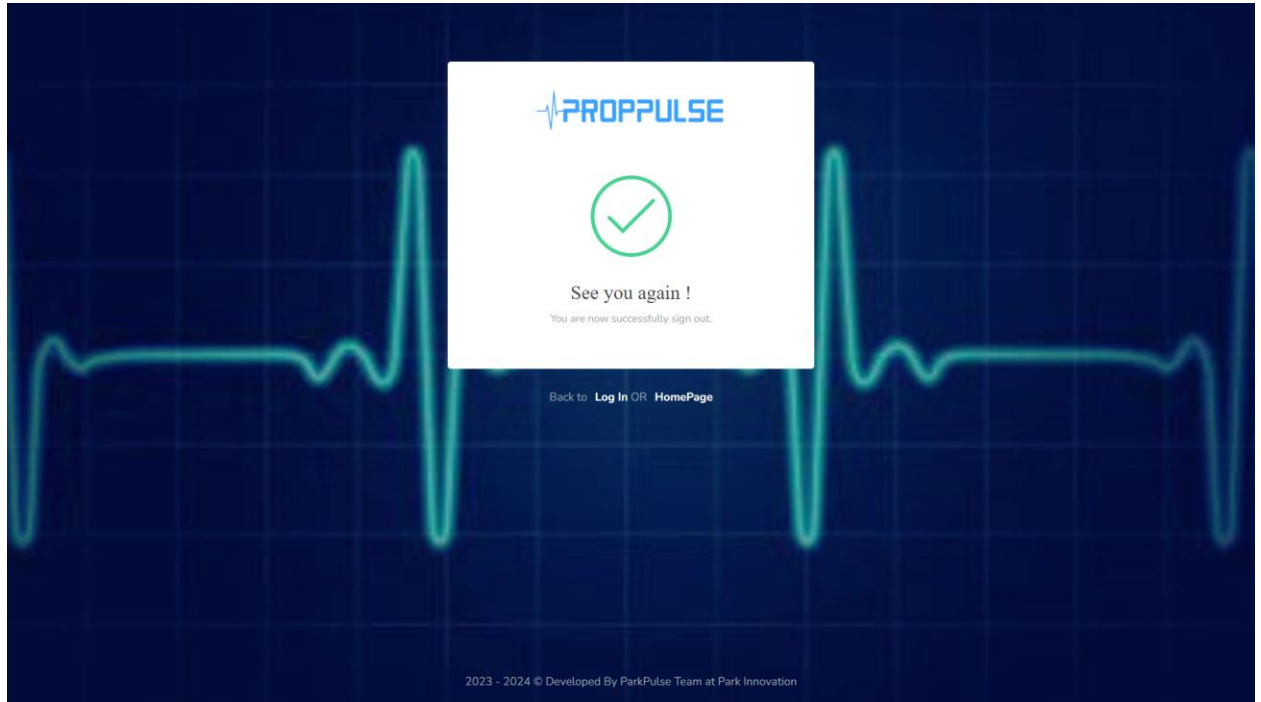
- *Health Care Provider - Payroll*



Employee Name	Date	Amount
Marc	31/03/2024	\$12500

Payrolls and balances

- *Logout*



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