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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 web application interface. The top navigation bar includes the PROPPULSE logo, a menu icon, a 'Create New' dropdown, a search bar, and a user profile for 'System Administrator'. The left sidebar lists 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 features a search bar and a table with the following columns: #, Email, Password Reset Token, Date Requested, and Action. The table is currently empty. The footer indicates the copyright for 2023-2024 by the ParkPulse Team at Park Innovation.

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

The screenshot shows the 'Manage Employees Details' page in the PROPPULSE system. The page has a dark header with the PROPPULSE logo, a search bar, and a user profile for 'System Administrator'. The left sidebar contains navigation options: Dashboard, Patients, Employees (selected), Add Employee, View Employees, Manage Employees, Assign Department, Transfer Employee, Pharmacy, Accounting, Inventory, Reporting, Medical Records, Laboratory, and Surgical / Theatre. The main content area displays a table of employees with columns for #, Name, Number, Department, Email, and Action. The table contains three rows of employee data. Below the table is a pagination control showing '1' of 3 items.

#	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 screenshot shows the 'Assign Department' page in the PROPPULSE system. The page has a dark header with the PROPPULSE logo, a search bar, and a user profile for 'System Administrator'. The left sidebar contains navigation options: Dashboard, Patients, Employees (selected), Add Employee, View Employees, Manage Employees, Assign Department (selected), Transfer Employee, Pharmacy, Accounting, Inventory, Reporting, Medical Records, Laboratory, and Surgical / Theatre. The main content area displays a table of employees with columns for #, Name, Number, Department, Email, and Action. The table contains three rows of employee data. Below the table is a pagination control showing '1' of 3 items.

#	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

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

Rimah Houssameldine
DEVOPS-CODEHIGHER-PARKPULSE
03/03/2024

The screenshot shows the PROPPULSE system interface. On the left, there is a sidebar with navigation links: Dashboard, Employees, Departments, Transfer Employee, and Transfer Employee. The main content area is titled 'Transfer Employee' and contains a table with columns: #, Name, Number, Current Department, Email, and Action. The table lists three employees: 1. John Doe (12345, Surgery, johndoe@proppulse.com), 2. Jane Doe (67890, Laboratory, jane@proppulse.com), and 3. John Smith (54321, Accounting, johnsmith@proppulse.com). To the right of the table is a form titled 'Transfer Employee From One Department To Another' with fields for Employee Name, Last Name, Email, Employee Number, Department, and a 'Transfer Employee' button.

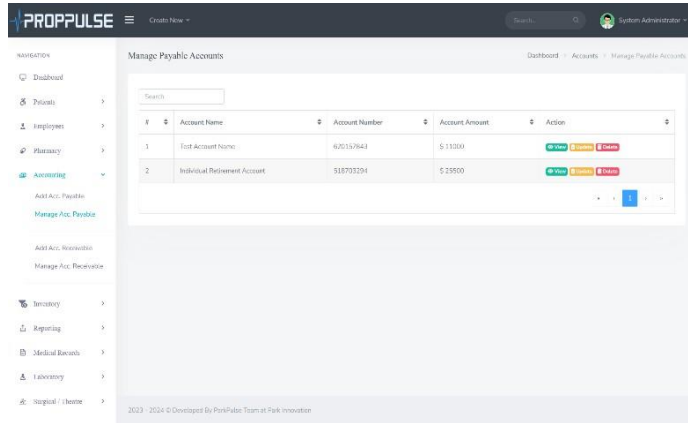
The above page shows how to transfer an employee from one department to another.

- System administrator – Employee payrolls details

The screenshot shows the PROPPULSE system interface. On the left, there is a sidebar with navigation links: Dashboard, Employees, Departments, Transfer Employee, and Transfer Employee. The main content area is titled 'Employee Payroll Details' and contains a table with columns: #, Employee Name, Employee Number, Payroll Number, Date Period, Employee Salary, and Action. The table lists four payroll entries: 1. John Doe (12345, SURRY, 20/02/2024 - 28/02/2024, \$ 4150), 2. Jane Doe (67890, HLTTH, 20/02/2024 - 28/02/2024, \$ 3504), 3. John Smith (54321, TSHL, 20/02/2024 - 28/02/2024, \$ 3500), and 4. John Doe (12345, SURRY, 20/02/2024 - 28/02/2024, \$ 3500). Each entry has a 'Generate Payroll' button.

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

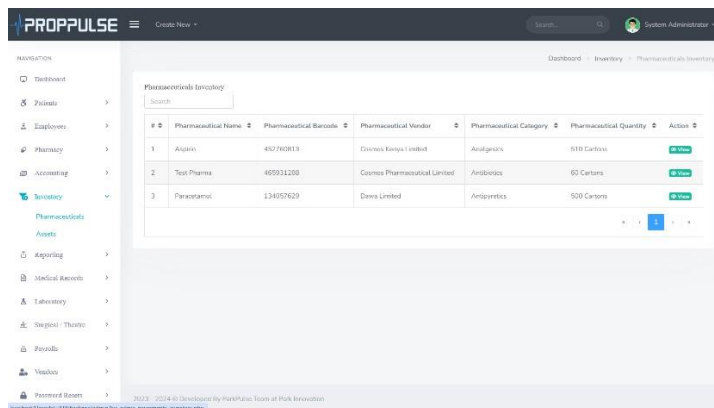
- **System administrator – Accounting**



#	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**

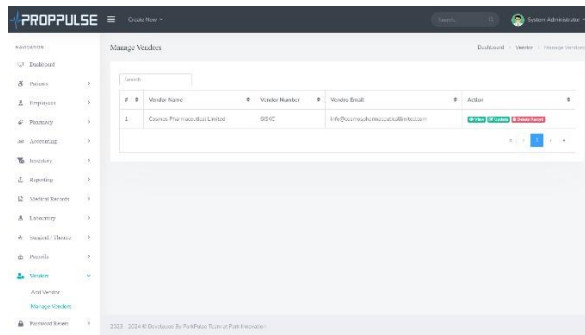


#	Pharmaceutical Name	Pharmaceutical Barcode	Pharmaceutical Vendor	Pharmaceutical Category	Pharmaceutical Quantity	Action
1	Aspirin	457260813	Envision Kenya Limited	Analgesics	510 Cartons	View
2	Test Pharma	405031200	Genex Pharmaceuticals Limited	Antibiotics	60 Cartons	View
3	Paracetamol	134057620	Derna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

Here you can view inventory's pharmaceuticals and assets.

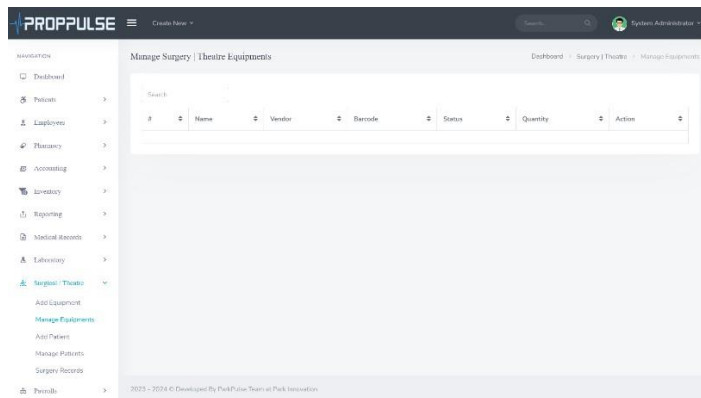
03/03/2024

- System administrator - Vendors



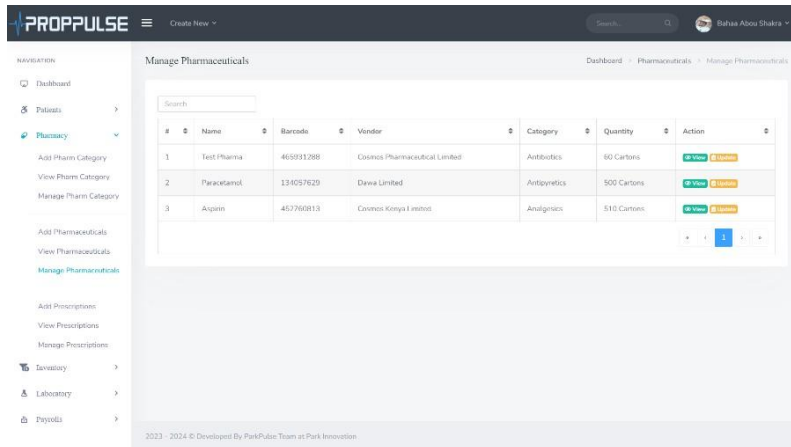
This feature allows the admin to view, update and delete vendor's records.

- **System administrator - Surgical/Theatre equipment**



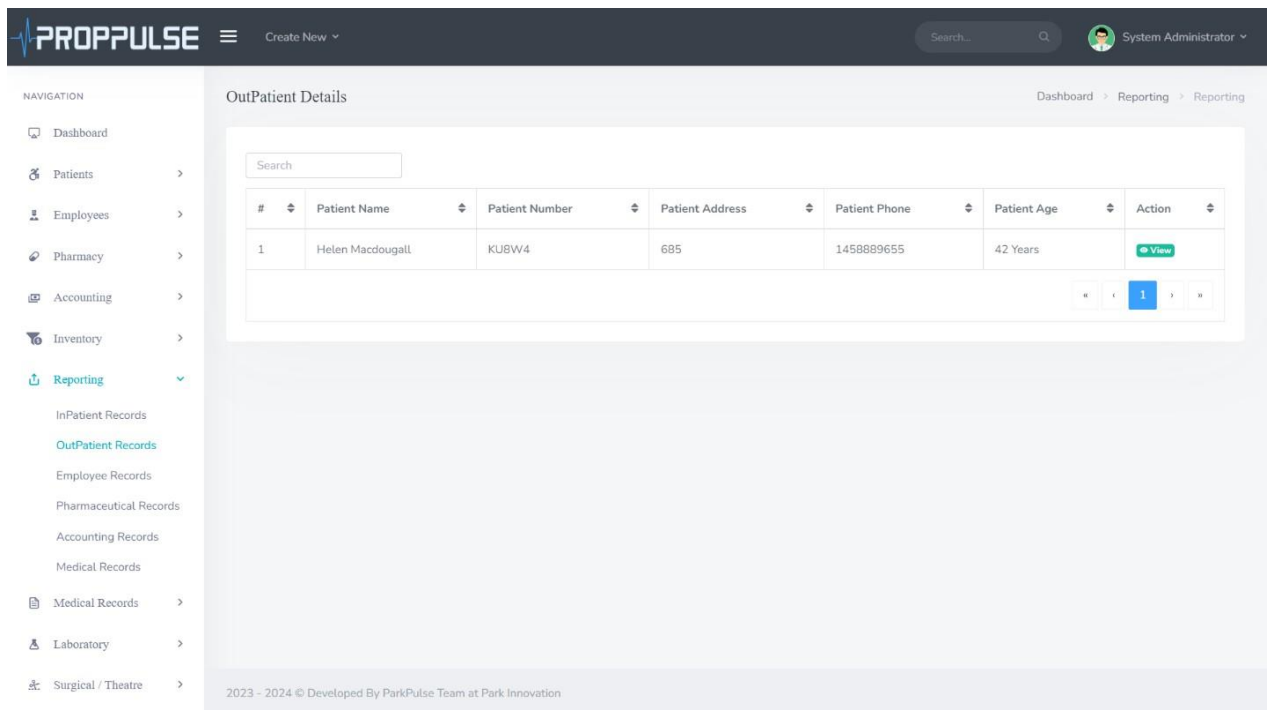
It allows to add & manage equipment, patients and records.

- System administrator - Pharmacy



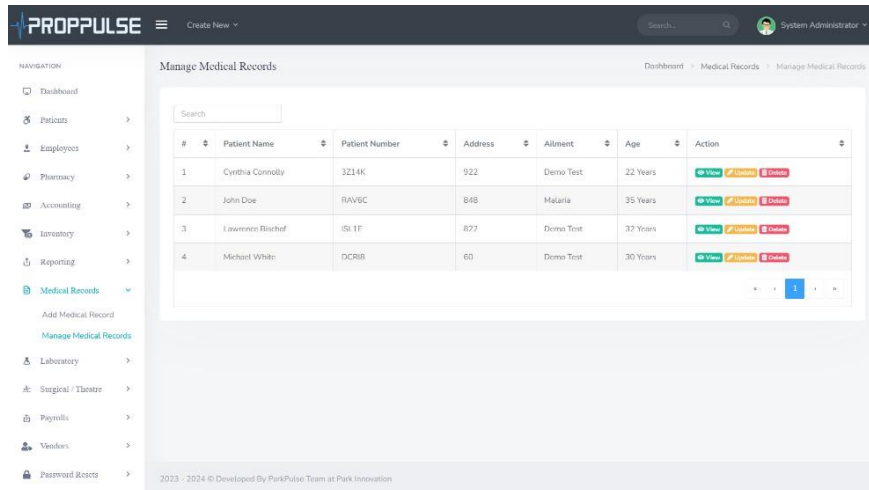
What appears on the dashboard gives a clear view on how to add, view & manage categories, pharmaceuticals & prescriptions.

- System administrator - Reporting



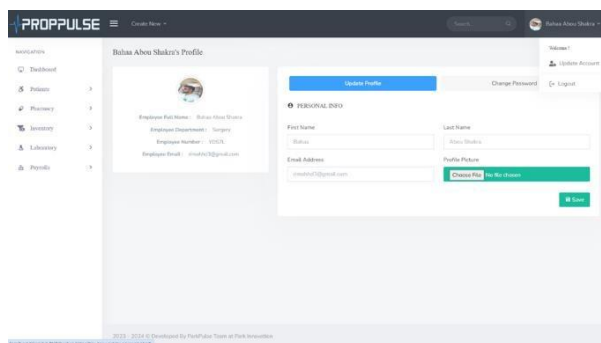
The above allows to view all types of records.

- System administrator - Medical records



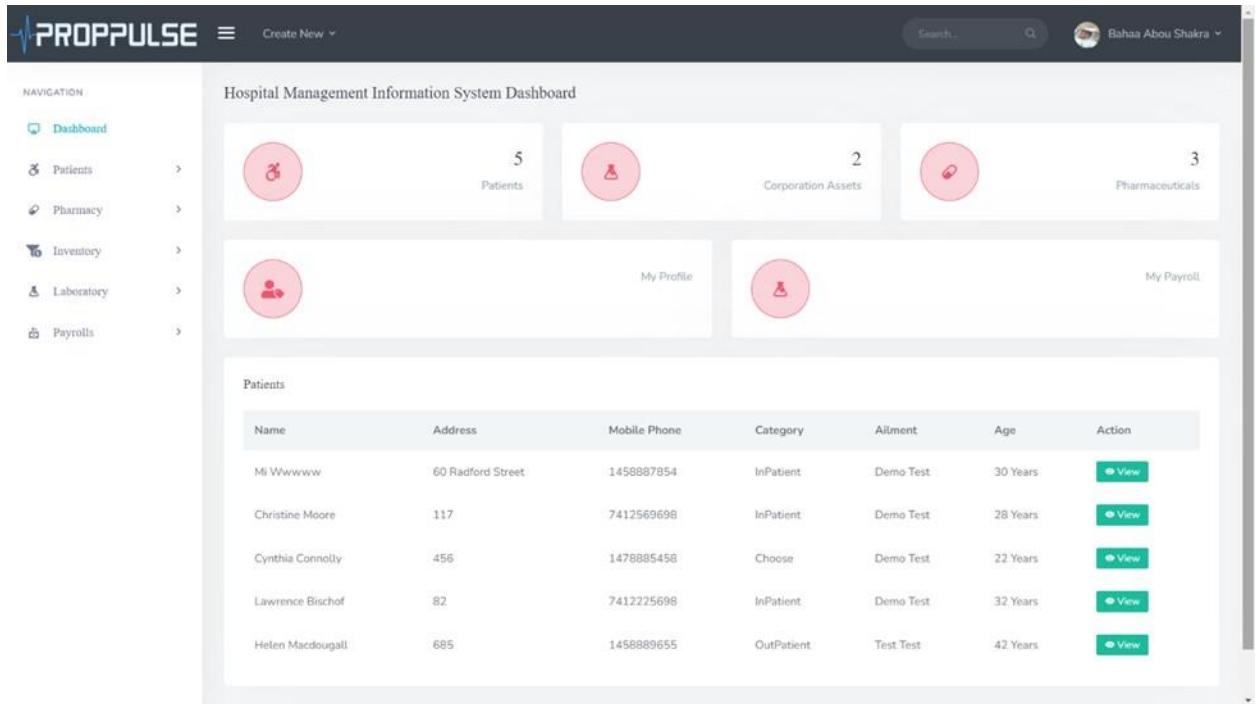
It allows to view, update and delete medical records.

- 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

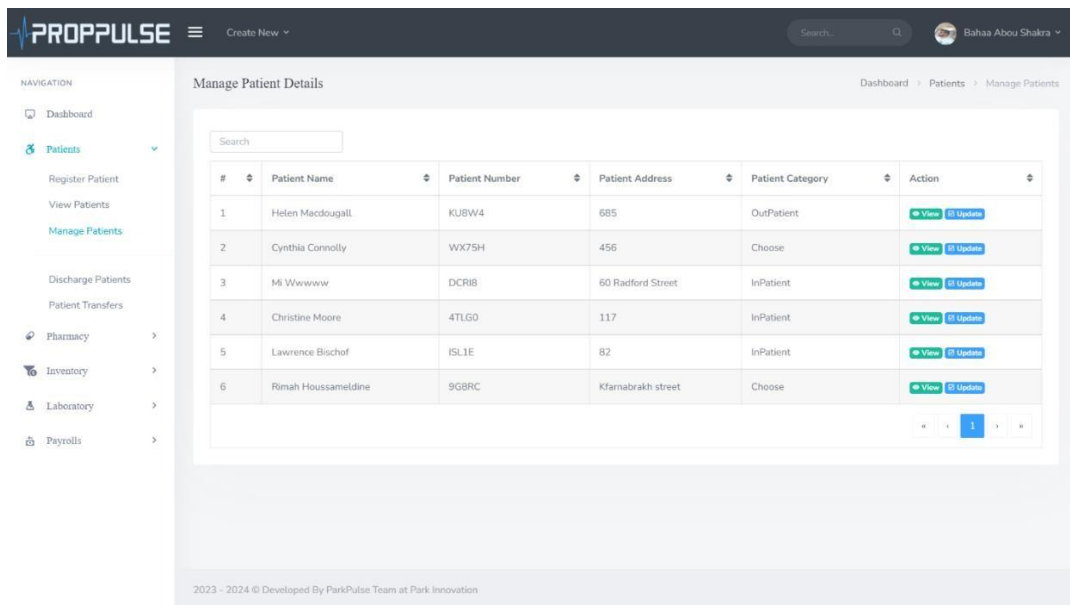
5 Patients 2 Corporation Assets 3 Pharmaceuticals

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	Kfamatbrakh street	Choose	View Update

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It allows to view and update patients' profile and records

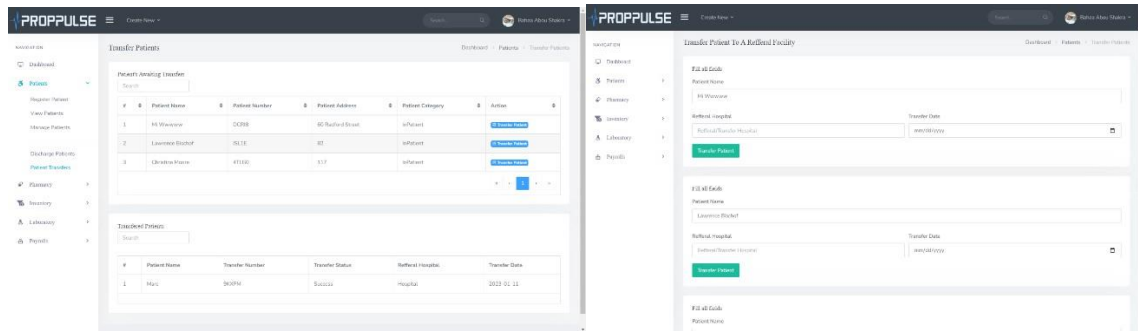
The screenshot displays the PROPPULSE application interface. On the left is a navigation menu with options: Dashboard, Patients, Pharmacy, Inventory, Laboratory, and Payrolls. The main content area is titled 'Mi Wwww's Profile'. It features a patient profile card with the following details: Full Name: 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 of the profile card are tabs for 'Prescription', 'Vitals' (which is active), and 'Lab Records'. Below the 'Vitals' tab is a table with columns: Body Temperature, Heart Rate/Pulse, Respiratory Rate, Blood Pressure, and Date Recorded. The footer of the application states: '2023 - 2024 © Developed By ParkPulse Team at Park Innovation'.

- Health Care Provider - Registry

The first screenshot shows the 'Patient Registry' form in the PROPPULSE application. It includes fields for Patient Name, Date of Birth, Age, Address, and a dropdown for Patient Type. A 'Register Patient' button is visible. The second screenshot shows the 'Add Patient Details' form with a 'Success' modal dialog box overlaying it. The modal message reads: 'Success (Patient Details Added)'. The background form shows fields for First Name, Last Name, Patient's Date of Birth, Date of Birth, Address, Mobile Number, and Patient's Type. A 'Save Patient' button is at the bottom of the form. The footer of the application states: '2023 - 2024 © Developed By ParkPulse Team at Park Innovation'.

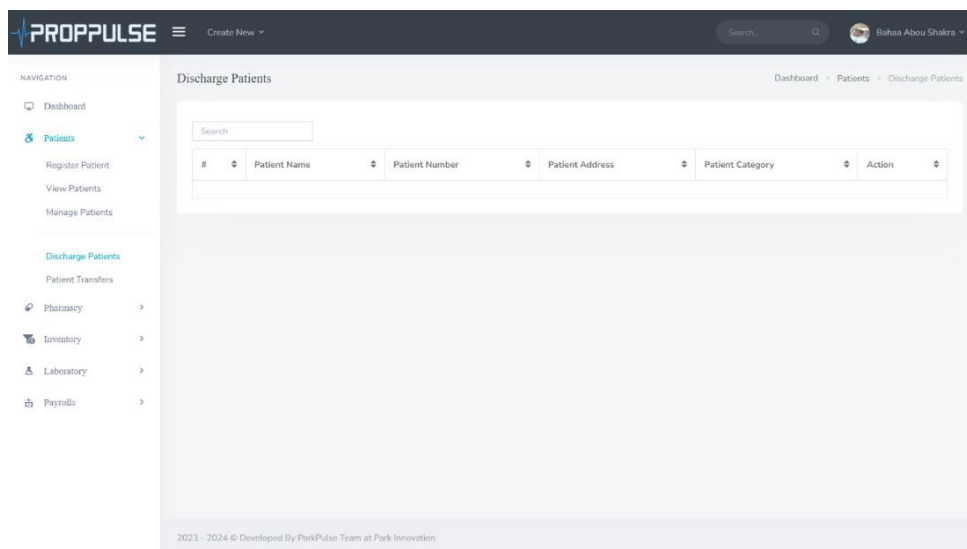
patient registry

- 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 'Patient Record' form in the PROPPULSE application. The form is titled '#RA4UM' and includes a navigation sidebar on the left with options like Dashboard, Patients, Pharmacy, Inventory, Laboratory, and Payroll. The main content area displays patient information: 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 (Test One to Test Five, and Result One to Result Three respectively).

Patient record

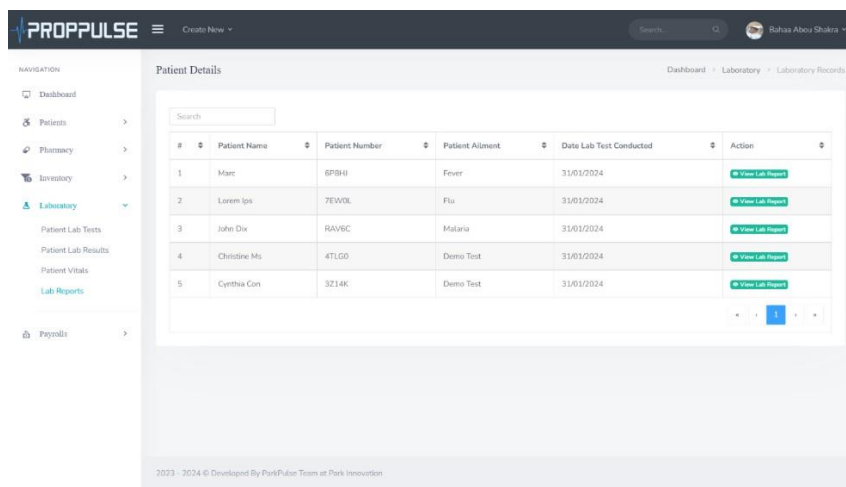
- Health Care Provider - Inventory

The screenshot shows the 'Equipment Inventory' table in the PROPPULSE application. The table has columns for #, Equipment Name, Equipment Code, Equipment Vendor, Equipment Department, Equipment Quantity, and Action. It lists two items: a Surgical Robot and Test Tubes. The table is titled 'Assets | Equipment Inventory' and includes a search bar and pagination controls.

#	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

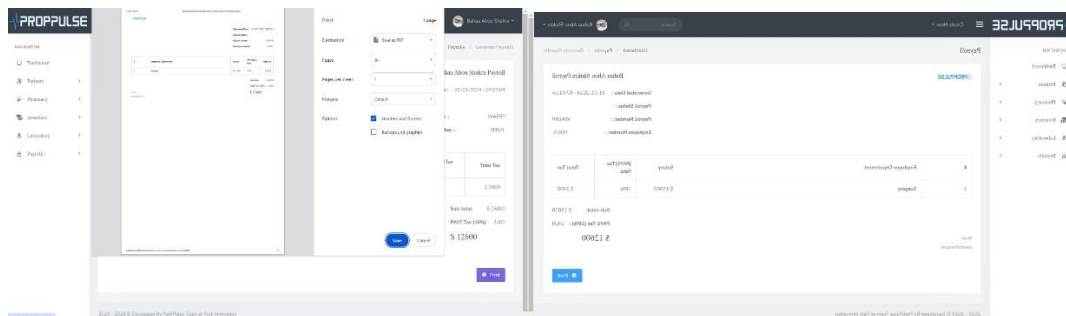
- Health Care Provider - Laboratory



#	Patient Name	Patient Number	Patient Allment	Date Lab Test Conducted	Action
1	Marc	6P8HJ	Fever	31/01/2024	View Lab Report
2	Lozem Ips	7EWDL	Flu	31/01/2024	View Lab Report
3	John Die	RAVSC	Malaria	31/01/2024	View Lab Report
4	Christine Mo	4T1GO	Demo Test	31/01/2024	View Lab Report
5	Cynthia Con	3Z1AK	Demo Test	31/01/2024	View Lab Report

For viewing lab results and reports

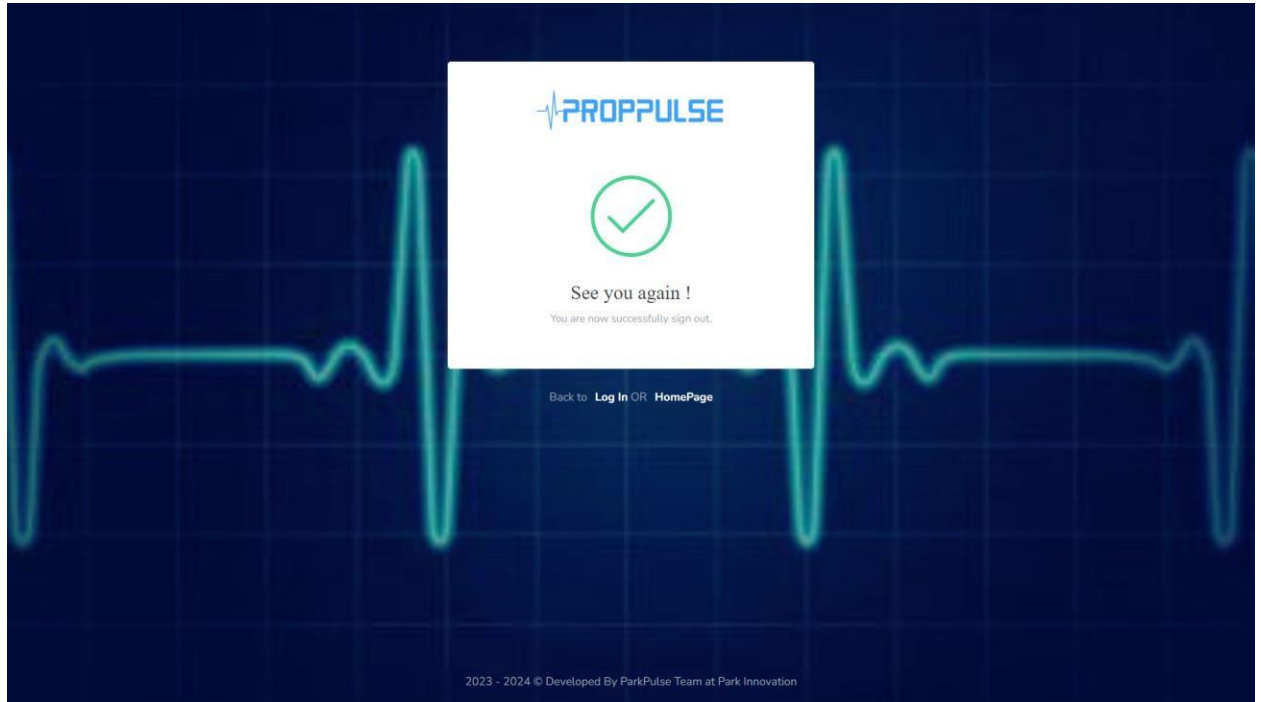
- Health Care Provider - Payroll



Employee Name	Employee Number	Date	Amount
John Doe	12345	2024-01-01	\$1200
Jane Smith	67890	2024-01-01	\$1500
Mike Johnson	11111	2024-01-01	\$1800
Sarah Brown	22222	2024-01-01	\$1600
David Wilson	33333	2024-01-01	\$1400

Payrolls and balances

- Logout



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