PARIRAKSHA PALLIATIVECARE

Abstract:

Palliative care plays a crucial role in enhancing the quality of life for patients facing serious illnesses, especially when financial constraints prevent them from accessing essential medications."PARIRAKSHA" is a web application aimed at automating the operational functions of "Pariraksha Palliative Society". It provide free medicines to patients who are suffering from life-threatening illness.This streamlines the management of patient data,Staff data,medication inventory ,management of visitor,medicine distribution and attendance . Making it easier for both staffs and administrators to focus on the core mission of delivering compassionate palliative care. It empowers palliative care providers to reach a wider audience of patients in need and ensure the efficient delivery of essential medications.With its user-friendly interface and notification system.

USERS:

1. CONTROLLER
2. DOCTOR
3. VOLUNTEERS
4. STAFF
5. VISITORS

USERS FUNCTIONS:

Controller:

1]Login

2]Attendance Management
- Mark attendance
- View personal attendance
- View doctor attendance
- View staff attendance
- View volunteer attendance

3]Doctor Management
- Add doctor
- Delete doctor
- Update doctor details
- View doctors

4]Staff Management
- Add staff
- Update staff
- Delete staff
- View staff

5]Volunteer Management
- Approve volunteer request
- Add volunteer
- Delete volunteer
- View volunteer

6]Visitor Management
- Approve visitor request
- View visitor feedback
- View visitors

7]Medicine Management
     View medicine stock
     Indicate expired medicine and least stock medicine
     View medicine distribution history

8]Patient Management
     View patients
     Search Patient

Doctor:

  1]Login

  2]Attendance Management
     View personal attendance

3]Patient Management
     Add Patient
     Delete Patients
     Update patients details
     View patients
     Search Patient

4]Medicine Management
     Add medicine stock
     Update medicine stock
     Delete medicine
     Search medicine
     View medicine stock
     View medicine distribution history
     Indicate of expired medicine and least stock medicine

5]Volunteer Management
     View volunteer

6]Visitor Management
     View visitor feedback
     View visitors

7]Staff Management
     View staff

Volunteer:

  1]   Login

  2]Attendance Management
     View personal attendance

3]Doctor Management
     View doctors

4]Volunteer Management
     View volunteer

5]Medicine Management
     View medicine stock
     Indicate expired medicine and least stock medicine
     View medicine distribution history

6]Patient Management
     View patients
     Search Patient

Distribute medicine

Visitor:

Request for visit

Upload feedback

Laboratory Staff:

1]Login

2]Attendance Management

View personal attendance

3]Patient Management

Add patient(test)

Edit patient(test)

view patient(test)

Delete patient(test)

4]Result Management

Upload test results

Message the result

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MODULES:

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1] Login

2] Attendance Management

Mark attendance

Update attendance

View attendance

3] Visitor Management

Submit request

Submit feedback

Approve request

View visitors

View feedback

4] Doctor Management

Add doctor

View doctor

Update doctor

Delete doctor

5] Patient Management

Add patient

View patient

Update patient

Delete patient

Add patient medicine

6] Laboratory Staff Management

Add staff

View staff

Update staff

Delete staff

7] Volunteer Management

Add volunteer

View Volunteer

Update volunteer
Delete volunteer
Volunteer request
Approve volunteer request

8] Medicine Management
Add medicine
View medicine stock
Update medicine
Delete medicine
Indicate expired and least medicine

9] Distribute Medicine
View medicine
Distribute medicine
Distribute medicine history

10] Laboratory Patient Management
Add lab patient
View lab patient
Update lab patient
Delete lab patient

11] Laboratory Result Management
Upload test report
Message test report

TABLES:

COLUMN NAME	DATATYPE	CONSTRAIN
User_id	Varchar(15)	Primary key
password	Varchar(15)	Not null
role	Varchar(15)	Not null

Login

COLUMN NAME	DATATYPE	CONSTRAIN
User_id	Varchar(15)	Foreign key (login)
Name	Varchar(15)	Not null
password	Varchar(15)	Not null
email	Varchar(15)	Not null,unique
gender	Varchar(15)	Not null

Controller

COLUMN NAME	DATATYPE	CONSTRAIN
User_id	Varchar(15)	Foreign key(user)
Is_active	Boolean	Not null

Attendance

COLUMN NAME	DATATYPE	CONSTRAIN
User_id	Varchar(15)	Foreign key (login)
Name	Varchar(15)	Not null
password	Varchar(15)	Not null
email	Varchar(15)	Not null,unique
gender	Varchar(15)	Not null
qualification	Varchar(15)	Not null
role	Varchar(15)	Not null

User(Doctor,Staff,Volunteer)

COLUMN NAME	DATATYPE	CONSTRAIN
Patient_id	Varchar(15)	primary key
Name	Varchar(15)	Not null
Mobile	Varchar(15)	Not null
Gender	Varchar(15)	Not null
JoinDate	date	default
Disease	Varchar(15)	Not null
DoctorName	Varchar(15)	Not null
Medicine	Varchar(15)	Not null
MedicneRecived	Varchar(15)	
Is_active	boolean	Not null

Patient

COLUMN NAME	DATATYPE	CONSTRAIN
Slno	int	default
Name	Varchar(15)	Not null
Brand	Varchar(15)	Not null
Batch	Varchar(15)	Primary key
ExpiryDate	date	Not null
Stock	int	Not null

Medicine

COLUMN NAME	DATATYPE	CONSTRAIN
Slno	int	default
Patient_id	Varchar(15)	Foreign (Patient)
Medicine	Varchar(15)	Foreign key (medicine)
Count	int	Not null
DistributedDate	date	default
Staff_id	Varchar(15)	default

Distribution

COLUMN NAME	DATATYPE	CONSTRAIN
Name	Varchar(15)	Not null
email	Varchar(15)	Primary key
purpose	Varchar(50)	Not null
Is_verified	Boolean	Not null

Visitor

COLUMN NAME	DATATYPE	CONSTRAIN
Patient_id	Varchar(15)	primary key
Name	Varchar(15)	Not null
Mobile	Varchar(15)	Not null
Email	Varchar(15)	
Gender	Varchar(15)	Not null
DoctorName	Varchar(15)	Not null
Test	Varchar(15)	Not null
Report	Varchar(15)	Not null

Laboratory

Software Requirements:

Frontend: *React*
Backend: *Node.js*
Database: *Mongo DB*
Software Used: *VS Code*

Existing System:

The existing manual system for managing the palliative care records at Pariraksha poses several challenges.

Manual Data Entry The current system relies on manual data entry, which is time-consuming and prone to errors. Transcribing patient information, medication details, and other relevant data by hand increases the likelihood of inaccuracies.
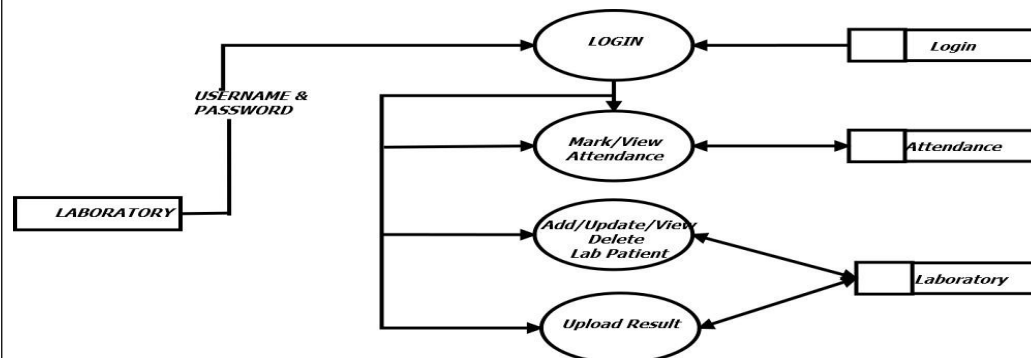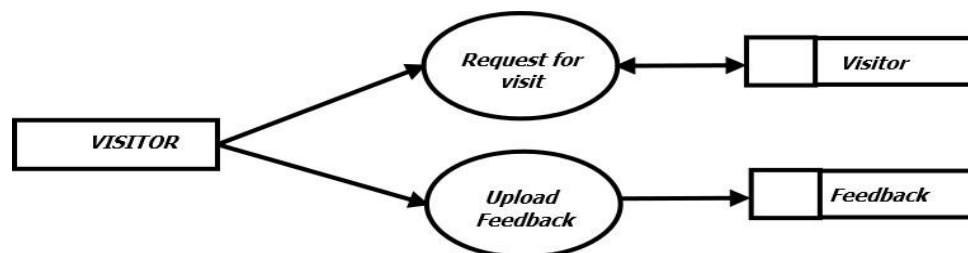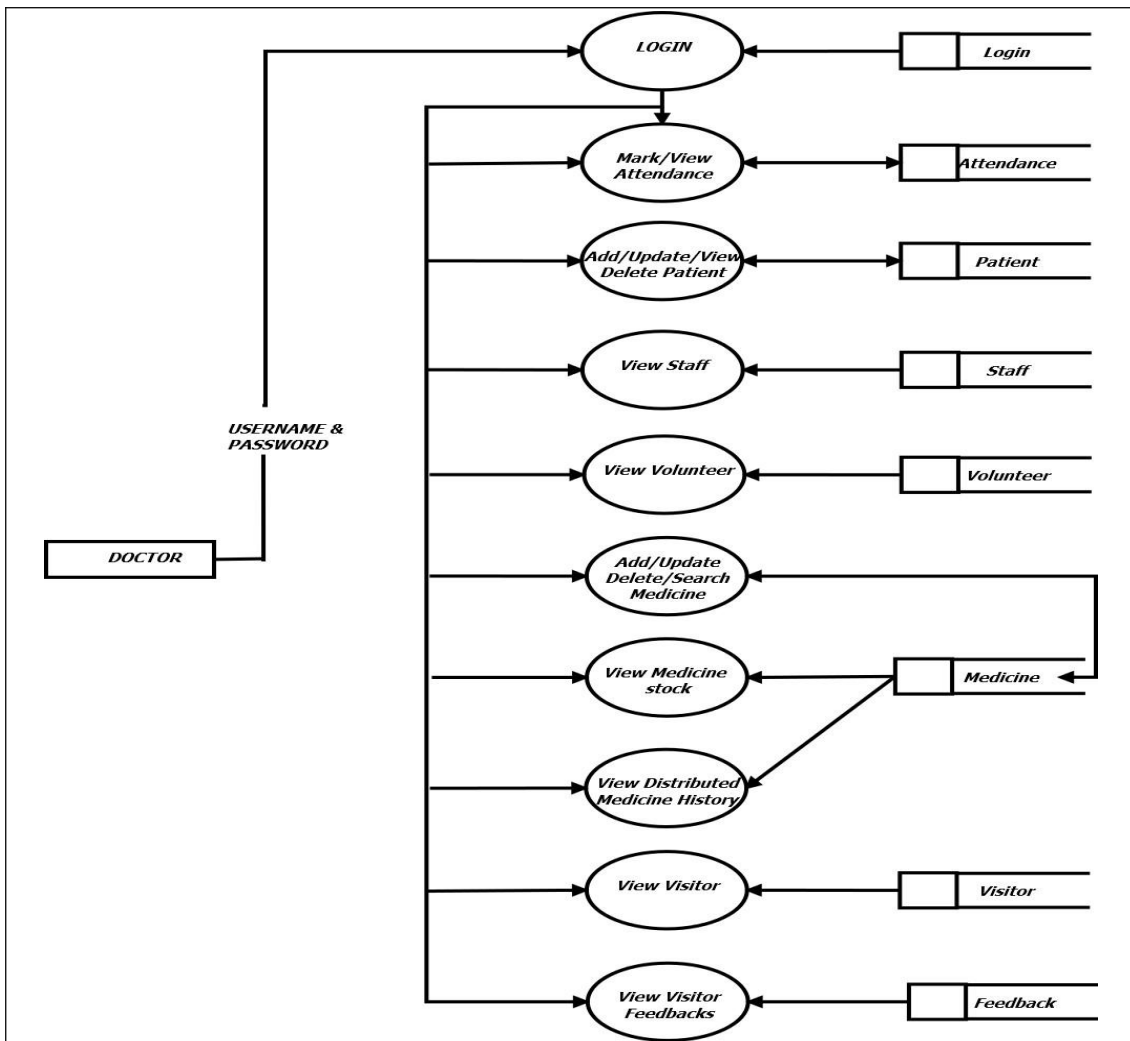
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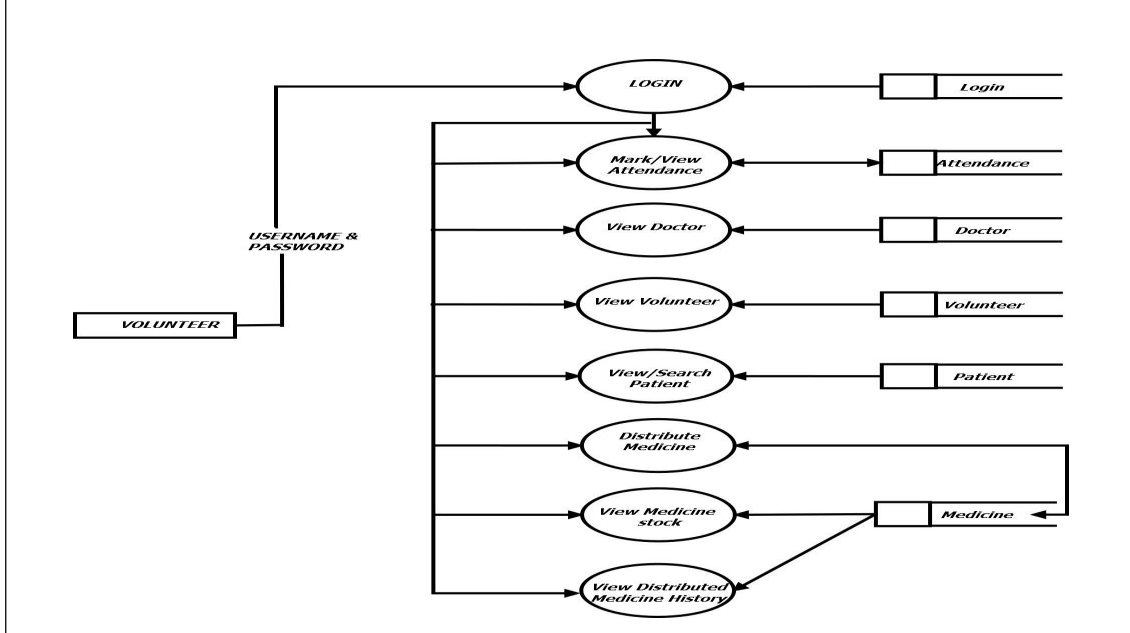**Level 0:**

Level 1:
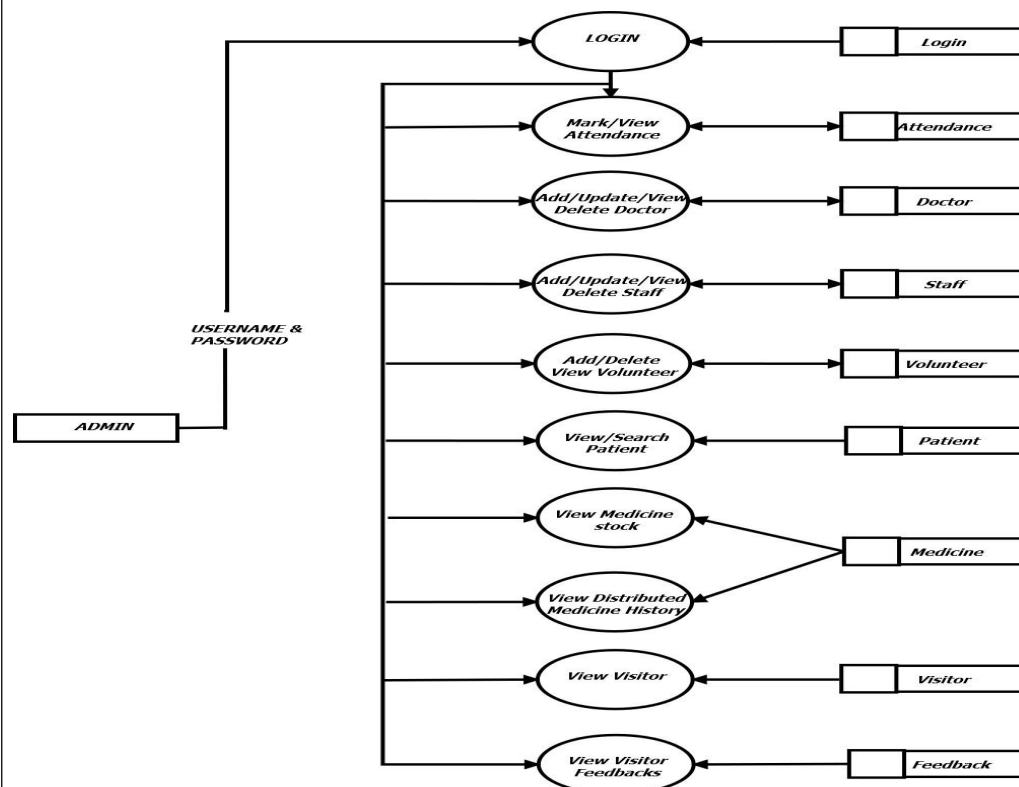
Level 1.1 Admin

Level 1.2 Laboratory

Level 1.3 Visitor

Level 1.4 Doctor

Level 1.5 Volunteer