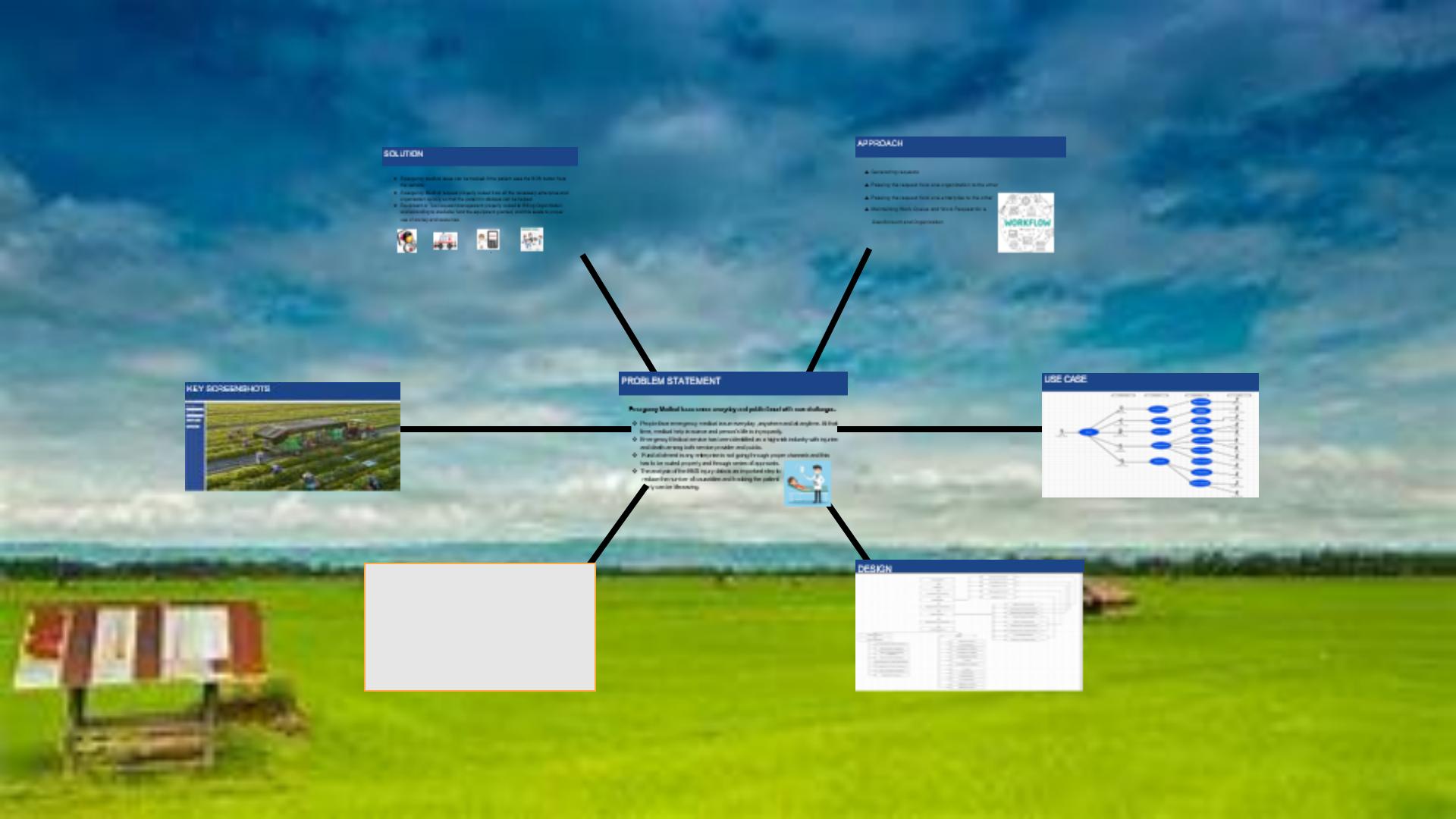


EMERGENCY MEDICAL SYSTEM



Group Members:

- Rohit Singh (001001987)
- Sandeep Wagh (001839964)
- Ashlesha Gokhale (001543191)



PROBLEM STATEMENT

Emergency Medical issue occur everyday and public faces new challenges:

- ❖ People face emergency medical issue everyday ,anywhere and at anytime. At that time, medical help is scarce and person's life is in jeopardy.
- ❖ Emergency Medical service has been identified as a high-risk industry with injuries and death among both service provider and public.
- ❖ Fund allotment in any enterprise is not going through proper channels and this has to be routed properly and through series of approvals.
- ❖ The analysis of the EMS injury data is an important step to reduce the number of causalities and tracking the patient early can be life-saving.



SOLUTION

- ❖ Emergency medical issue can be tracked if the patient uses the SOS button from the website.
- ❖ Emergency Medical request properly routed from all the necessary enterprise and organization quickly so that the patient in distress can be helped.
- ❖ Provides the facility of routine checkup as well integrated lab testing feature
- ❖ Equipment or Tool request management properly routed to Billing Organization and according to available fund the equipment granted, and this leads to proper use of money and resources.



APPROACH

- ❖ Generating requests
- ❖ Passing the request from one organization to the other
- ❖ Passing the request from one enterprise to the other
- ❖ Maintaining Work Queue and Work Request for a UserAccount and Organization



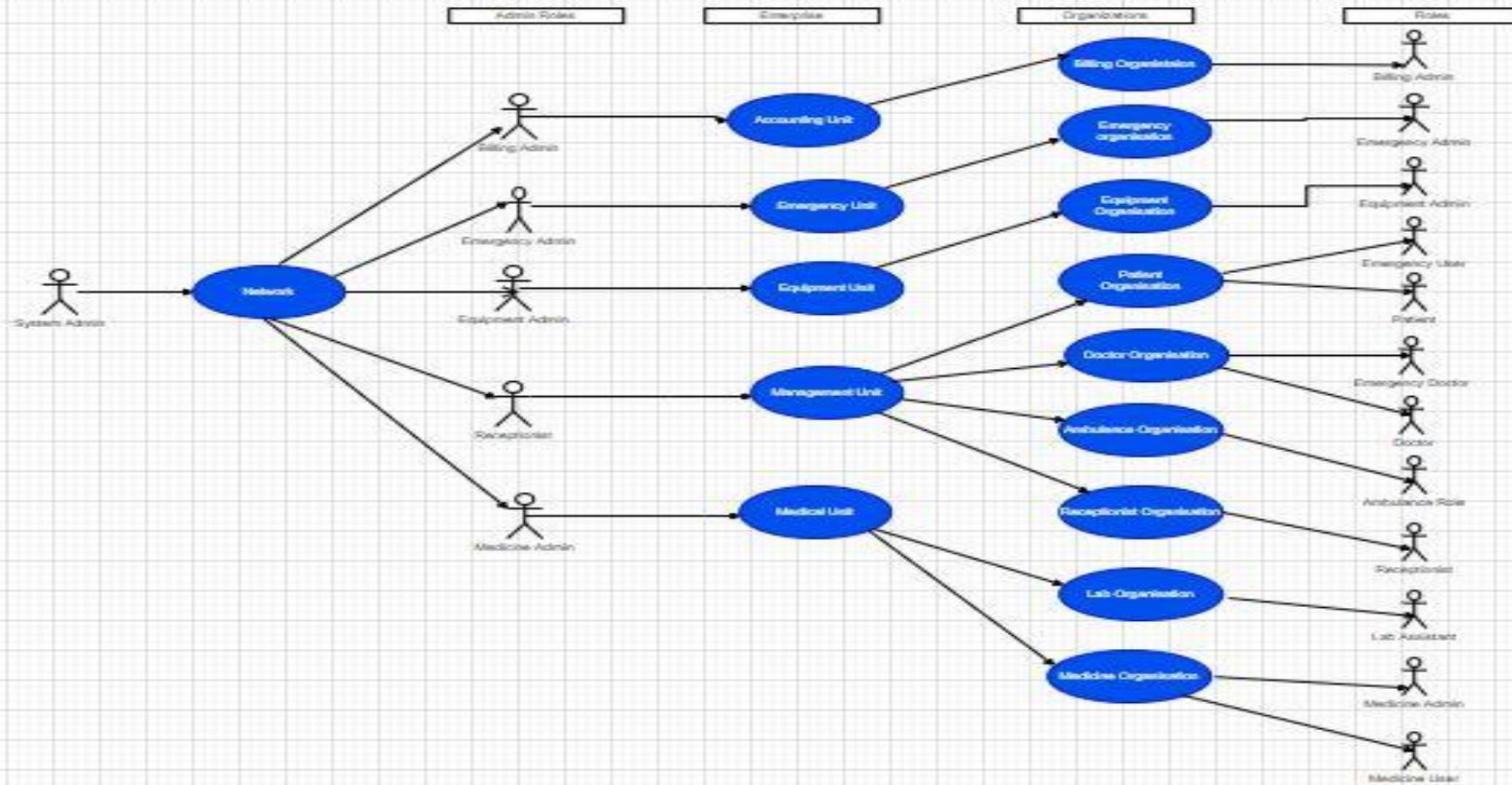
FEATURES

- ❖ Email Functionality
- ❖ J-chart
- ❖ Map
- ❖ Log 4j

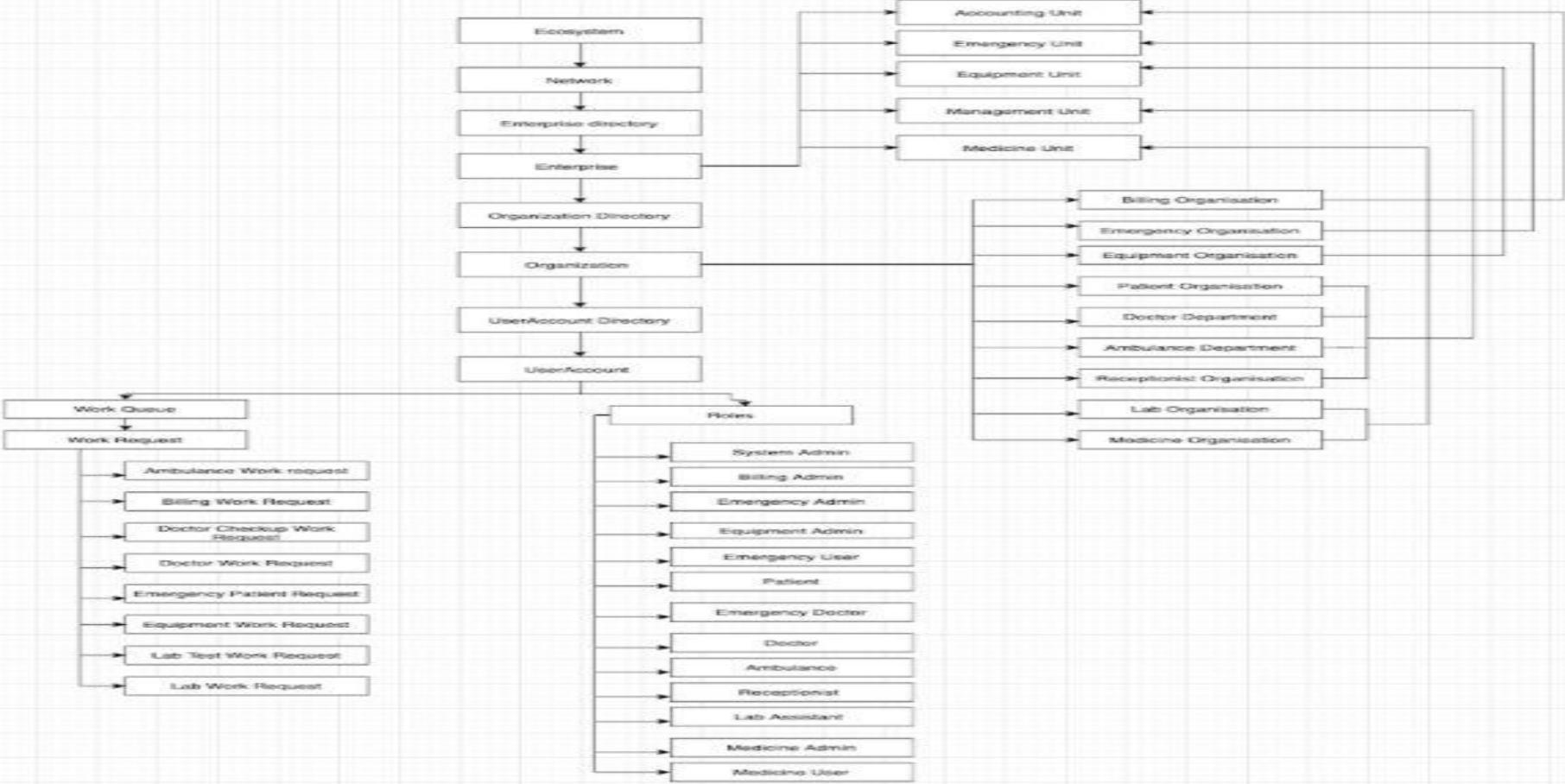
WORK REQUEST

- ❖ Ambulance Work Request
- ❖ Billing Work Request
- ❖ Doctor Checkup Work Request
- ❖ Doctor Work Request
- ❖ Emergency Patient Request
- ❖ Equipment Work Request
- ❖ Lab Test Work Request

USE CASE



DESIGN



KEY SCREENSHOTS

MainJFrame

<default>

Projects Services

MedicalEmergency

- Source Package
- <default pa
- Business
- Business.DB
- Business.Er
- Business.En
- Business.Eq
- Business.Im
- Business.Me
- Business.Me
- Business.Ne
- Business.Or
- Business.Ro
- Business.Us
- Business.Uti
- Business.Vit
- Business.Wo
- Business.log

Navigator

SYSTEM ADMIN WORK AREA

MANAGE NETWORK

LOGOUT

Boston California

Name

Submit

Selected Node:

JTree Networks

MedicalEmergencySystem (run) running...

This screenshot shows a Java application window titled "MainJFrame". The window has a dark blue header bar with the title and a toolbar with various icons. The main content area is divided into two sections. On the left, under "SYSTEM ADMIN WORK AREA", there is a sidebar with a red background containing a network icon and four buttons: "MANAGE NETWORK", "MANAGE ENTERPRISE", "MANAGE ENTERPRISE ADMIN", and "CHARTS". Below this is a section titled "Selected Node:" with a tree view showing a folder named "JTree" containing a file named "Networks". On the right, under "MANAGE NETWORK", there is a form with a title "MANAGE NETWORK". It contains a text input field with the value "Boston California", another text input field labeled "Name", and a "Submit" button. At the top right of the main content area, there is a "LOGOUT" button. The status bar at the bottom shows the application name "MedicalEmergencySystem (run)" and the status "running...". The Mac OS X Dock is visible at the very bottom.

LOGOUT

SYSTEM ADMIN WORK AREA



MANAGE NETWORK

MANAGE ENTERPRISE

MANAGE ENTERPRISE ADMIN

CHARTS

Selected Node:



MANAGE ENTERPRISE

Enterprise Name	Network	Type
EMUNIT	Boston	Emrgnyc Unit
ACCUNIT	Boston	Account Unit
MEDIUNIT	Boston	Medical Unit
EQUUNIT	Boston	Equipment Unit

Network

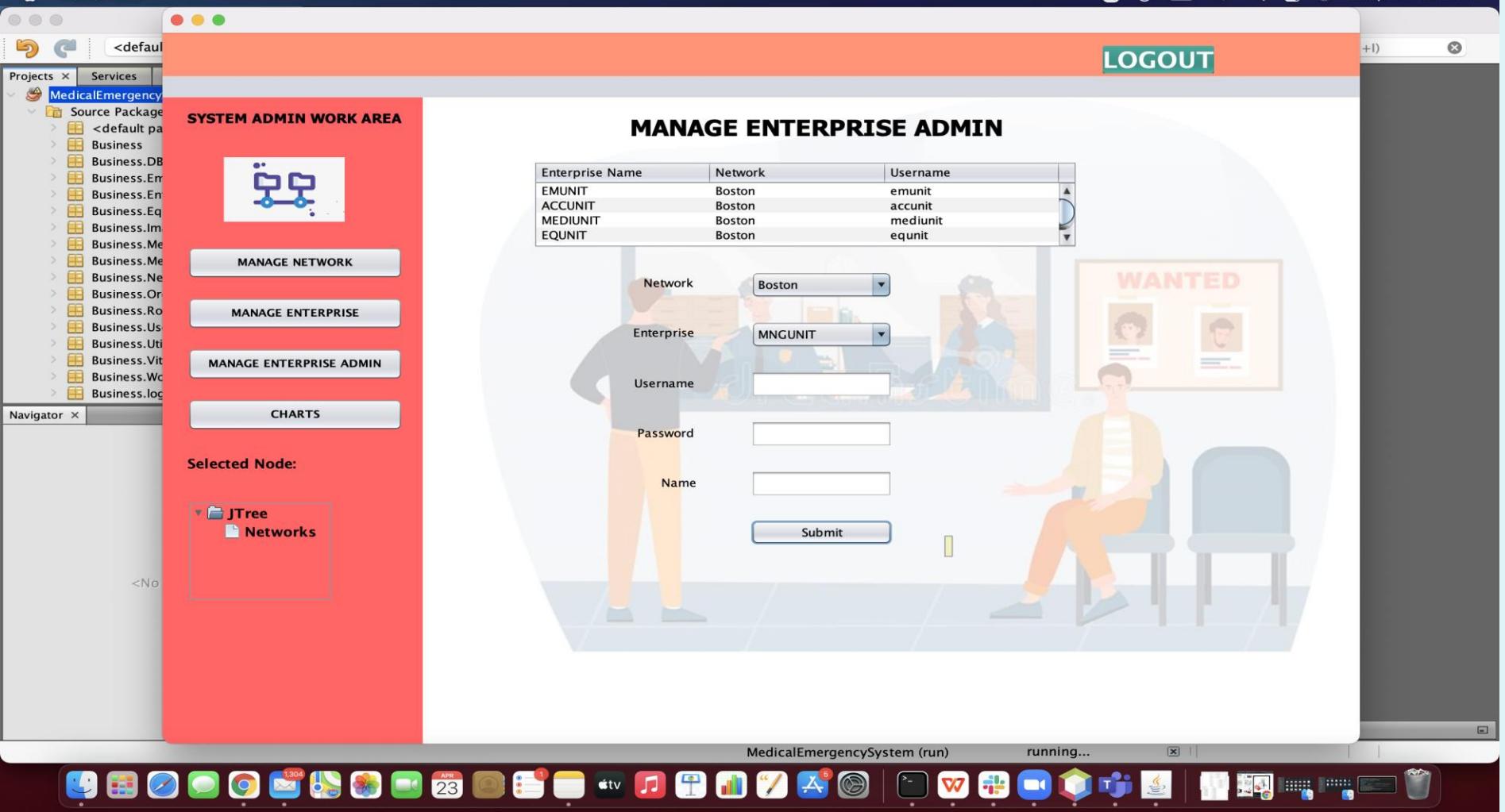
Boston

Enterprise Type

Equipment Unit

Name

Submit



Projects Services <default> LOGOUT

MedicalEmergency

Source Package <default package>

- Business
- Business.DB
- Business.Em
- Business.En
- Business.Eq
- Business.Im
- Business.Me
- Business.Me
- Business.Ne
- Business.Or
- Business.Ro
- Business.Us
- Business.Uti
- Business.Vit
- Business.Wo
- Business.lo

MANAGEMENT ADMIN

Location Coordinates
2.3317614,-71.0839462

Mark Location

<<Back

MANAGE ORGANISATION

MANAGE EMPLOYEE

MANAGE USER

Lower Roxbury

Lower Roxbury

Boston, MA

Clear · 54°F 10:21 PM

Directions Save Nearby Send to your phone Share

Quick facts

The Lower Roxbury Historic District is a historic district encompassing an isolated pocket of 1890s mixed residential-commercial property in the lower Roxbury neighborhood of Boston, Massachusetts. [Wikipedia](#)

Satellite

Map data ©2021 United States Privacy Send feedback

MANAGEMENT ADMIN

[MANAGE ORGANISATION](#)[MANAGE EMPLOYEE](#)[MANAGE USER](#)

EMPLOYEE MANAGEMENT

Organization

ambudept

ID	Name
7	ami

Organization

ambudept

Name

[Create Employee](#)

MANAGEMENT ADMIN



MANAGE ORGANISATION

MANAGE EMPLOYEE

MANAGE USER

ORGANIZATION MANAGEMENT UNIT

ID	Name	Type
6	ambdept	Ambulance Departm...
7	recpdept	Receptionist Depart...
8	ptnddept	Patient Department
9	docdept	Doctor Department

Organization Type

Doctor Department

Organization Name

Add Organization

[LOGOUT](#)

MANAGEMENT ADMIN



[MANAGE ORGANISATION](#)

[MANAGE EMPLOYEE](#)

[MANAGE USER](#)

ORGANIZATION MANAGEMENT UNIT

ID	Name	Type
6	ambudept	Ambulance Departm...
7	recdept	Receptionist Depart...
8	ptnddept	Patient Department
9	docdept	Doctor Department

Organization Type

Doctor Department

Organization Name

[Add Organization](#)

<default>

LOGOUT

Projects Services

MedicalEmergency

- Source Package
- <default pa
- Business
- Business.DB
- Business.Er
- Business.Er
- Business.Eq
- Business.Im
- Business.Me
- Business.Me
- Business.Ne
- Business.Or
- Business.Ro
- Business.U
- Business.Uti
- Business.Vit
- Business.Wo
- Business.lo

Navigator

MANAGEMENT ADMIN

MANAGE ORGANISATION

MANAGE EMPLOYEE

MANAGE USER

Cloud icon with a person and gear

MANAGE USER

User Name	Role
ami	AmbulanceRole
ash	ReceptionistRole

Organization: ambudept

Employee: ami

Role: AmbulanceRole

UserName:

Password:

Create

MedicalEmergencySystem (run)

MainJFrame

Projects <default> MedicalEmergency

Source Package <default package>

- Business
- Business.DB
- Business.Em
- Business.Em
- Business.Eq
- Business.Im
- Business.Me
- Business.Ne
- Business.Or
- Business.Ro
- Business.Us
- Business.Uti
- Business.Vit
- Business.Wo
- Business.log

Navigator <No files>

EMERGENCY ADMIN

 Manage Organisation

 Manage Employee

 Manage User

LOGOUT

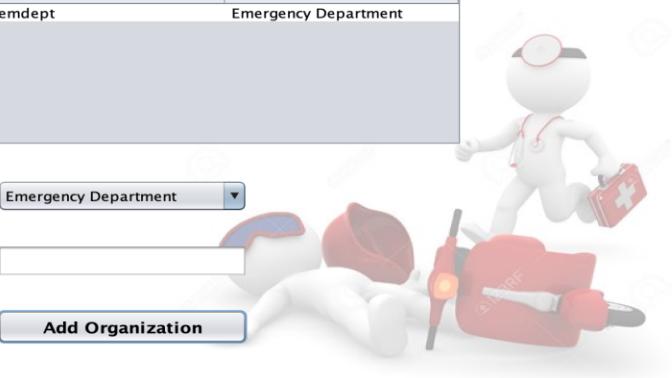
EMERGENCY MANAGE ORGANIZATION

ID	Name	Type
10	emdept	Emergency Department

Organization Type : Emergency Department

Organization Name :

Add Organization



MedicalEmergencySystem (run) running... Fri Apr 23 10:23 PM

EMERGENCY ADMIN



MANAGE ORGANISATION

MANAGE EMPLOYEE

MANAGE USER

EMERGENCY MANAGE USER

User Name	Role
emuser	EmergencyUserRole

Organization

Employee

Role

User Name

UserName

Password

Create

Message

User account Created!

OK



LOGOUT

<default

Projects Services

MedicalEmergency

- Source Package
- <default pa
- Business
- Business.DB
- Business.Err
- Business.En
- Business.Eq
- Business.Im
- Business.Me
- Business.Me
- Business.Ne
- Business.Or
- Business.Ro
- Business.U
- Business.Uti
- Business.Vit
- Business.Wc
- Business.log

Navigator x

<No

ACCOUNTING ADMIN



MANAGE ORGANISATION

MANAGE EMPLOYEE

MANAGE USER

LOGOUT

Manage Accounting Organization

ID	Name	Type
11	billdept	Billing Department

Organization Type :

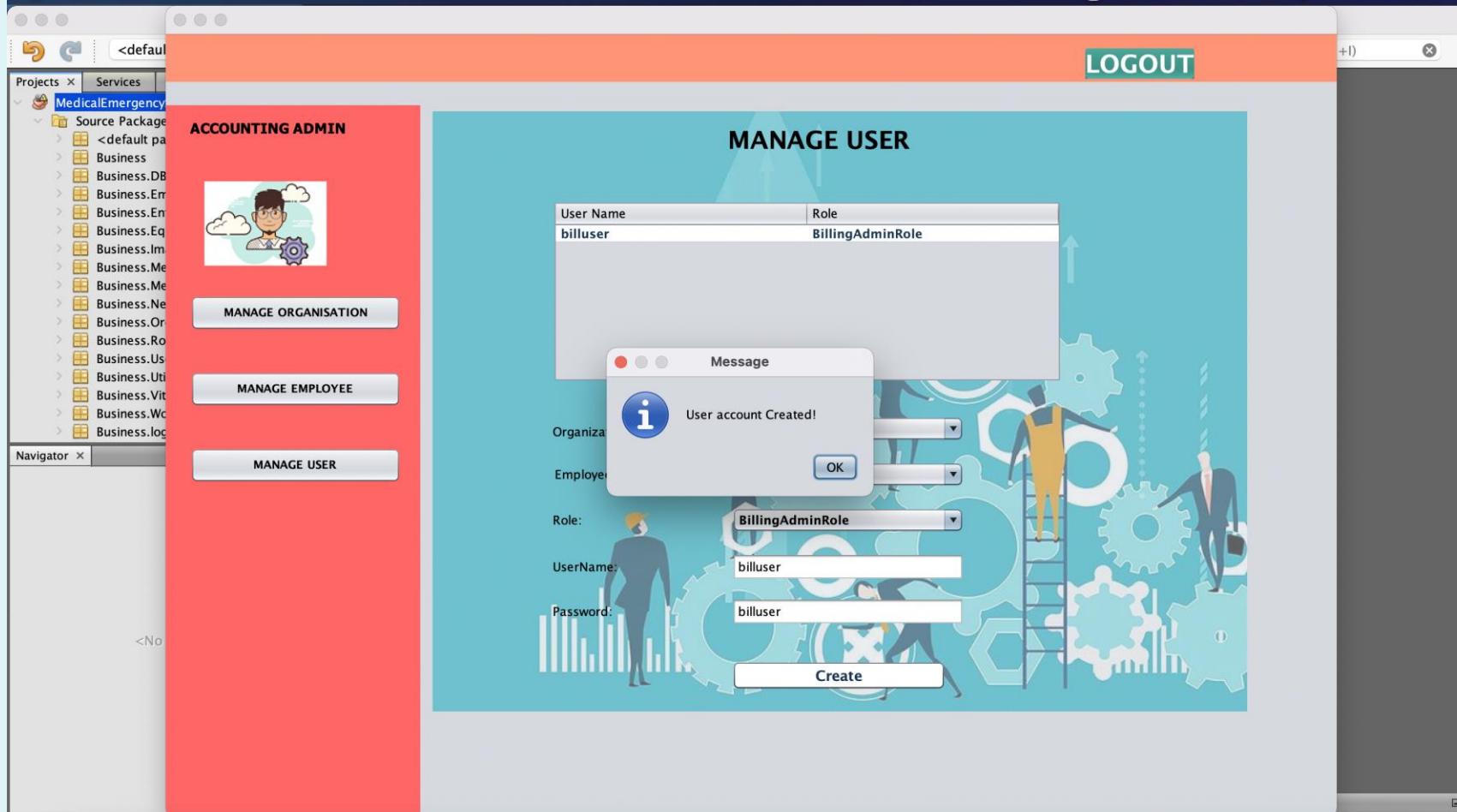
Organization Name :

Organization Fund :

Add Organization







<default>

Projects Services

MedicalEmergency

- Source Package
- <default package>
- Business
- Business.DB
- Business.Em
- Business.Em
- Business.Eq
- Business.Im
- Business.Me
- Business.Me
- Business.Ne
- Business.Or
- Business.Ro
- Business.Us
- Business.Uti
- Business.Vit
- Business.Wo
- Business.log

MEDICINE ADMIN



MANAGE ORGANISATION

MANAGE EMPLOYEE

MANAGE USER

LOGOUT

MANAGE MEDICINE ORGANIZATION

ID	Name	Type
12	medidept	Medicine Department

Organization Type :

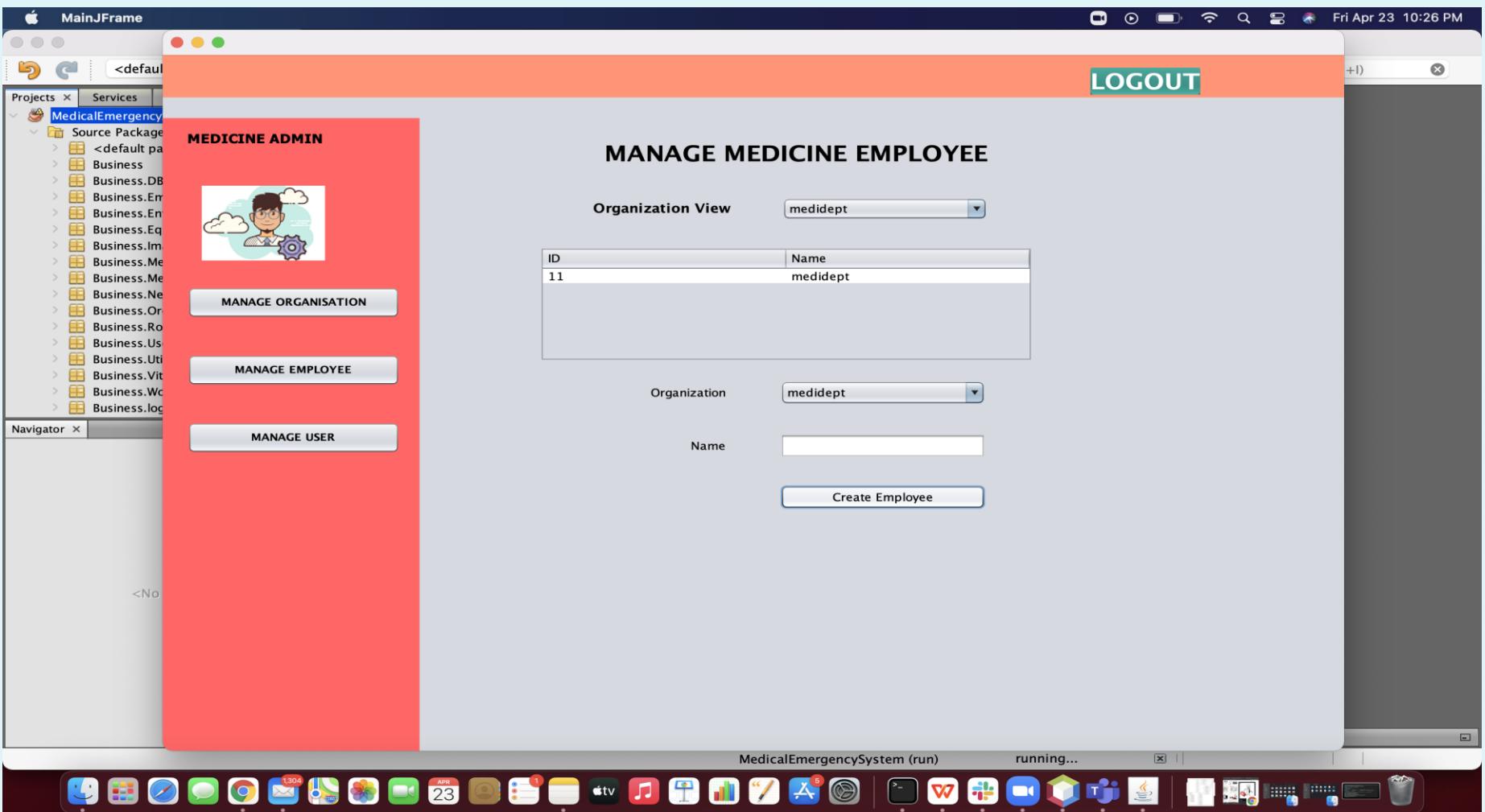
Organization Name :

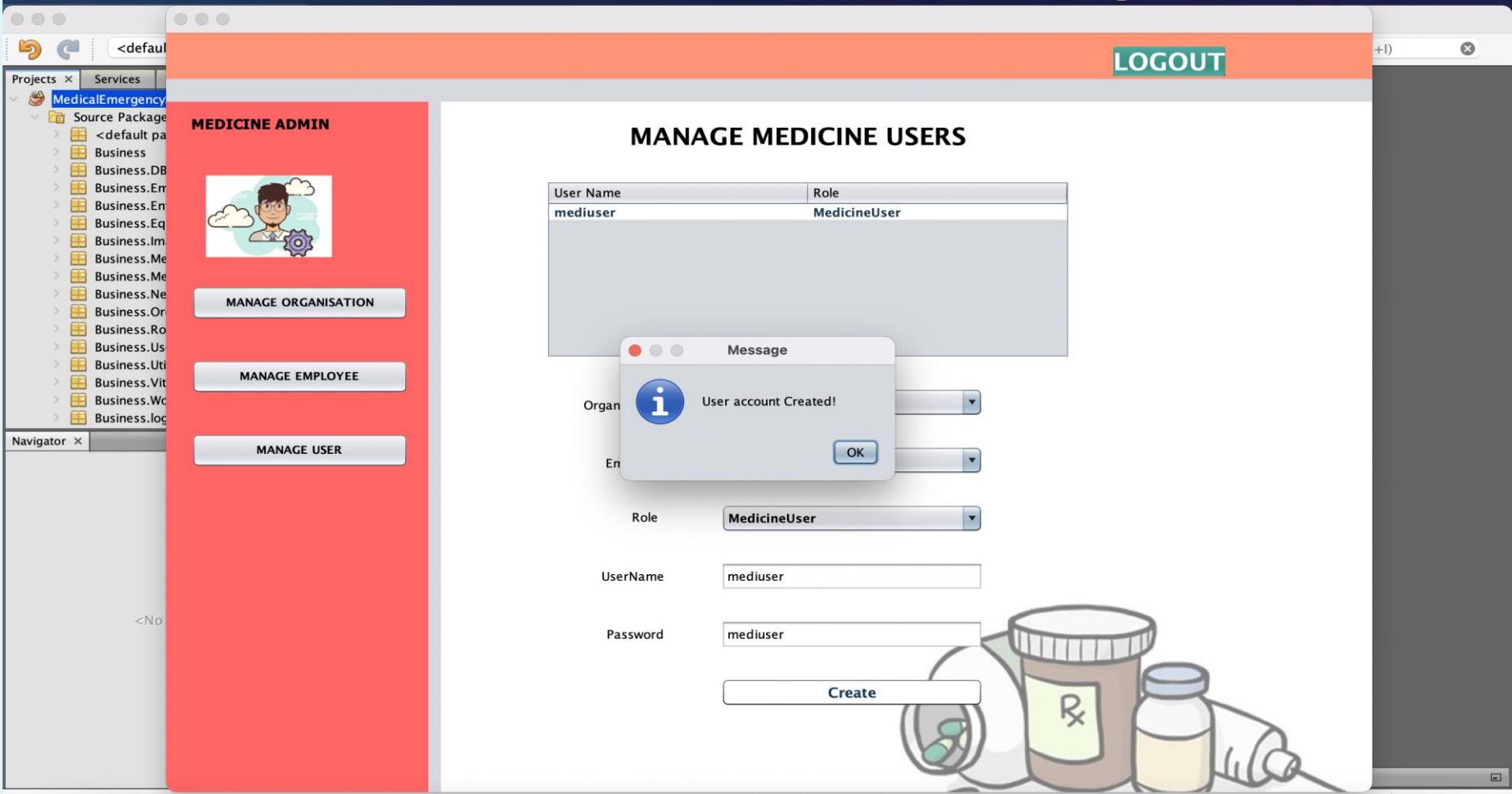
Add Organization



MedicalEmergencySystem (run) running...







<default

[LOGOUT](#)

Projects x Services

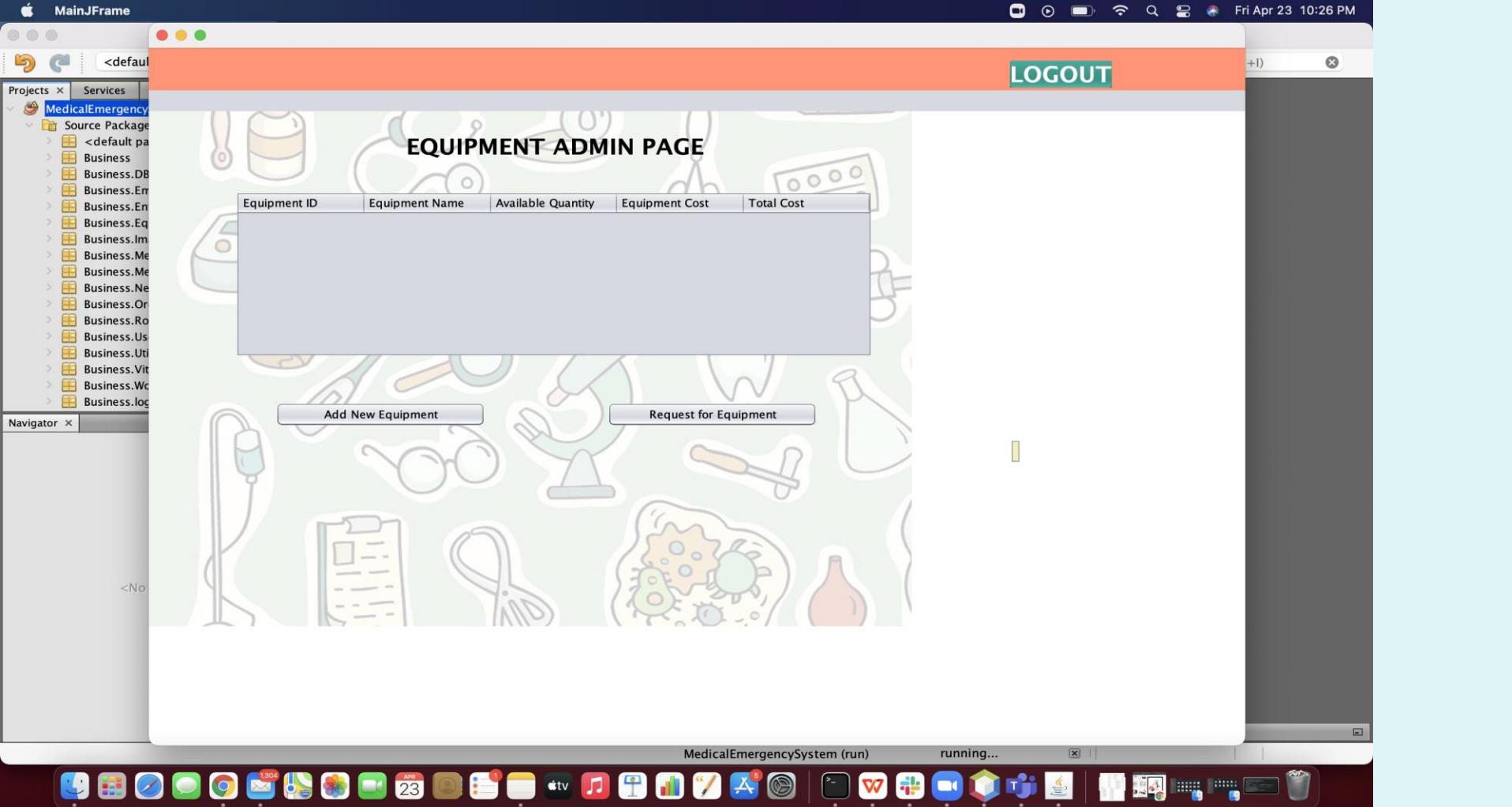
MedicalEmergency
Source Package
> <default pa
> Business
> Business.DB
> Business.Er
> Business.En
> Business.Eq
> Business.Im
> Business.Me
> Business.Me
> Business.Ne
> Business.Or
> Business.Ro
> Business.Us
> Business.Uti
> Business.Vit
> Business.Wc
> Business.log

Navigator x



CREATE DOCTOR

User Name : Password : Doctor Name : Qualification : Specilization in : Emergency Doctor : [**<< Back**](#) [**Create**](#)



LOGOUT

CREATE PATIENT

User Name : *

Password : *

Patient Id :

Full Name :

Gender :

Age :

Blood Group :

Phone Number : *

Email Address : *

Patient Address : *

Set Location :

Assigned Doctor :

Title

- Select
- Select
- sandeep

<< Back

Save

Location

Assign Doctor

MedicalEmergencySystem (run)

running...



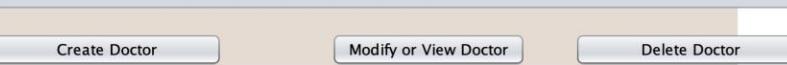
RECEPTIONIST AREA

FullName	PhoneNumber	EmailAddress	BirthDate	Address	UserName
puja	8698320899	ashleshagokha...	Fri Apr 23 22:...	boston	puja



[Create Patient](#) [View Patient Info](#) [Delete Patient](#)

FullName	Qualification	Specilization	UserName
sandeep	mbbs	heart	sandeep
rohit	mbbs	brain	rohit



[Create Doctor](#) [Modify or View Doctor](#) [Delete Doctor](#)

MainJFrame

<default

LOGOUT

Projects x Services

MedicalEmergency

Source Package Hi..

User Name : puja

Password : ****

Patient Id : 1

Patient Name : puja

Patient Gender : Female

Blood Group : A+

Patient Age : 25

Phone Number : 8698320899

Email Addr... : shagokhale5@gmail.com

Patient Addr... : boston

Location : 33.60085,-71.084311

Assgined Doctor : sandeep

Location will help up to reach you in emergency time

Update Location

Update

Checkup History

Request ID	Heart R...	Blood P...	Respira...	Weight	Appoin...	Checku...	Doctor

Create Appoiment for Checkup Request

Lab Test Request Table

Request ID	Start date	Request Date	Status
<div style="text-align: center;"> ? Choose Appointment date: <input type="text"/> </div>			

Choose Appointment date:

April 2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat
14	15	16	17	18	19	20
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

Treatment Date

For Emergency Please click below button, Emergency Request automatically ...

SOS

MedicalEmergencySystem (run)

EMERGENCY PATIENT ADMIN WORK AREA

Logout

Refresh

Requestid	Sender	Patient Na...	Patient Adr...	Criticality	Status	Request D...	Phone Nu...	Doctor	Ambulance
ER374	puja	puja	boston	High	Requested	Fri Apr 23 ...	8698320...		

Accept Request Assigned Ambulance Assign Doctor Reject Request Process Request Complete Request

EMERGENCY CHILD REQUEST

Requestid	Sender	Patient Name	Patient Addr...	Criticality	Status	Request Date	Phone Number	Doctor	Ambulance

Clear

MedicalEmergencySystem (run) running...

LOGOUT**EMERGENCY PATIENT ADMIN WORK AREA****Refresh**

RequestId	Sender	Patient Na...	Patient Adr...	Criticality	Status	Request D...	Phone Nu...	Doctor	Ambulance
ER374	puja	puja	boston	High	Accepted	Fri Apr 23 ...	8698320...		

Title

Select

Select

1234

Process Request**Complete Request****EMERGENCY CHILD REQUEST**

RequestId	Sender	Patient Name	Patient Addr...	Criticality	Status	Request Date	Phone Number	Doctor	Ambulance

Clear

LOGOUT

Projects	Services
MedicalEmergency	
Source Package	<default pa
	Business
	Business.DB
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	Business.Eq
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	Business.Us
	Business.Uti
	Business.Vit
	Business.Wc
	Business.lo

EMERGENCY PATIENT ADMIN WORK AREA**Refresh**

RequestId	Sender	Patient Na...	Patient Adr...	Criticality	Status	Request D...	Phone Nu...	Doctor	Ambulance
ER374	puja	puja	boston	High	Assigned ...	Fri Apr 23 ...	8698320...	1234	

**Accept Request****Assigned Ambulance****Assign Doctor****Reject Request****Process Request****Complete Request****EMERGENCY CHILD REQUEST**

RequestId	Sender	Patient Name	Patient Addr...	Criticality	Status	Request Date	Phone Number	Doctor	Ambulance
AM123	puja	puja	boston	High	Ambulace R...	Fri Apr 23 2...	8698320899	1234	

Clear

MainJFrame

Fri Apr 23 10:35 PM

<default>

LOGOUT

+)

Projects Services

MedicalEmergency

Source Package

<default pa... Business Business.DB Business.Er Business.Er Business.Ed Business.Im Business.Me Business.Me Business.Ne Business.Or Business.Ro Business.Us Business.Uti Business.Vit Business.Wc Business.log

EMERGENCY PATIENT ADMIN WORK AREA

Refresh

RequestId	Sender	Patient Na...	Patient Adr...	Criticality	Status	Request D...	Phone Nu...	Doctor	Ambulance
ER374	puja	puja	boston	High	Processing	Fri Apr 23 ...	8698320...	rohit	1234

Accept Request Assigned Ambulance Assign Doctor Reject Request Process Request Complete Request

EMERGENCY CHILD REQUEST

RequestId	Sender	Patient Name	Patient Addr...	Criticality	Status	Request Date	Phone Number	Doctor	Ambulance
DR114	puja	puja	boston	High	Assigned Do...	Fri Apr 23 2...	8698320899	rohit	
AM123	puja	puja	boston	High	Ambulace R...	Fri Apr 23 2...	8698320899		1234

Clear



MedicalEmergency

<default

LOGOUT

Projects Services

MedicalEmergency

Source Package

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> Business.Ro

> Business.Ut

> Business.Uti

> Business.Vit

> Business.Wo

> Business.log

Navigator <>

ADD NEW EQUIPMENT

Equipment Name :

Equipment Description :

Equipment Cost :

Quantity :

Total Cost :

<<Back ADD

Message

Equipment Added Successfully

OK

MedicalEmergencySystem (run) running... X

The screenshot shows a medical application window titled "ADD NEW EQUIPMENT". The form contains five input fields: "Equipment Name" (ctscan), "Equipment Description" (ctscan), "Equipment Cost" (10), "Quantity" (1000), and "Total Cost" (10000.0). Below the form are two buttons: "<<Back" and "ADD". A modal dialog box titled "Message" is displayed, stating "Equipment Added Successfully" with an "OK" button. The background features a watermark of a doctor holding a stethoscope. The application has a standard Mac OS X look with a toolbar at the top and a dock at the bottom.

MainJFrame

<default

LOGOUT

EQUIPMENT REQUEST PAGE

BillingRequestId	Sender	EquipmentId	EquipmentName	No of Units	Equipment Price	totalEquipmentPrice	Status	Request Date	Resolve Date

Select Equipment :

Equipment Price :

Equipment Quantity :

Total Cost :

<< Back Request for Fund

<No

MedicalEmergencySystem (run) running... Fri Apr 23 10:46 PM

BILLING COUNTER

Funds Available : 0.0

BillingRequestID	Sender	EquipmentId	EquipmentName	No of Units	Equipment Price	totalEquipment	Fund Allocated	Status	Request Date	Resolve Date
BR103	equinit	EQ-401	oxymeter	125	20.0	500.0	500.0	Completed	Fri Apr 23 2...	Fri Apr 23 2...

Acknowledge **Reject Request** **Accept** **Complete Request**

<No data found>

MedicalEmergencySystem (run)



LOGOUT

Projects X Services
MedicalEmergency
Source Package
> <default pa...
Business
Business.DB...
Business.E...
Business.E...
Business.Eq...
Business.Im...
Business.Me...
Business.Me...
Business.Ne...
Business.Or...
Business.Ro...
Business.U...
Business.Uti...
Business.Vit...
Business.Wo...
Business.log

Navigator X

SYSTEM ADMIN WORK AREA



MANAGE NETWORK

MANAGE ENTERPRISE

MANAGE ENTERPRISE ADMIN

CHARTS

Selected Node:

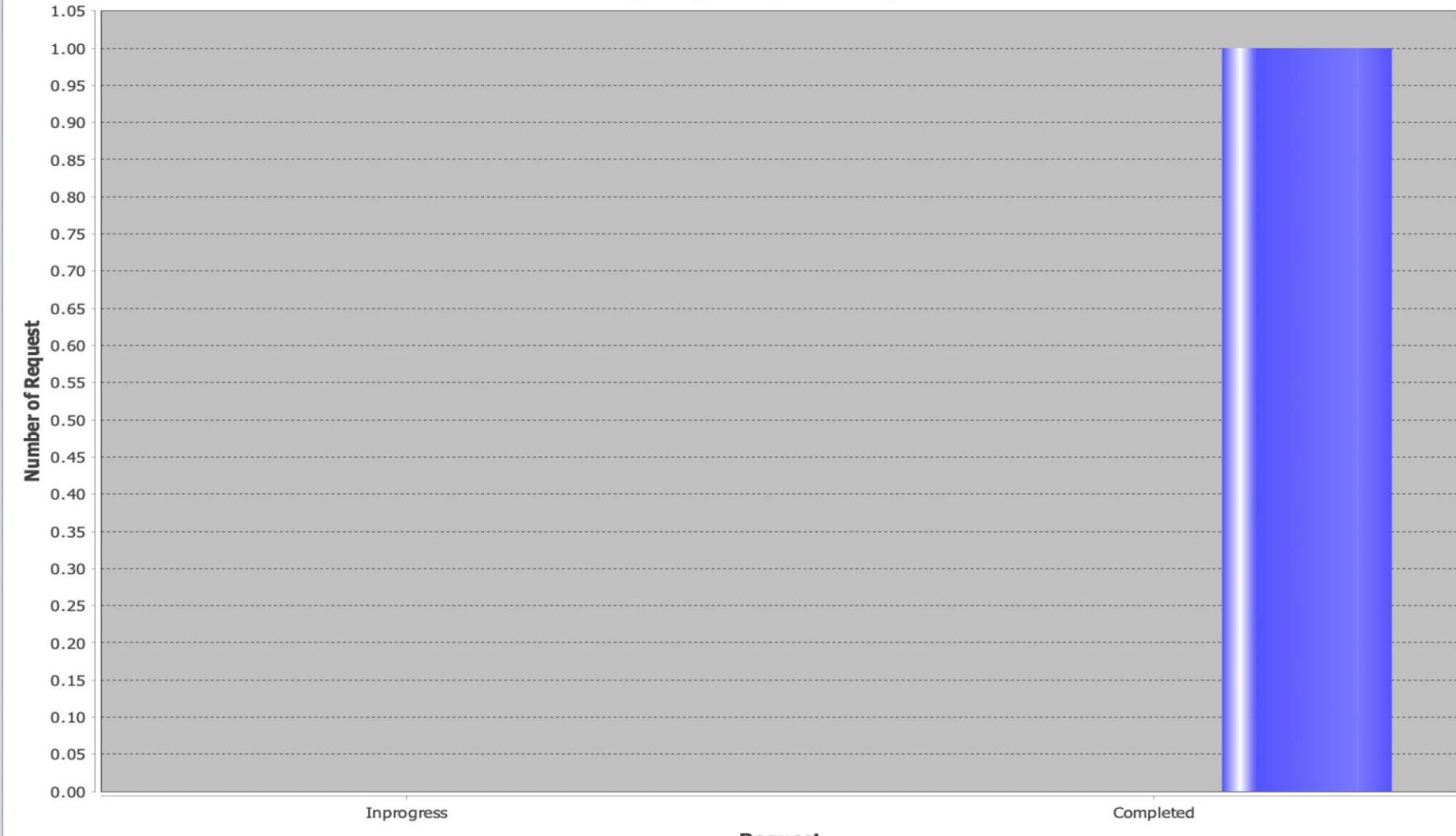
JTree
Networks

<No

Emergency Request Chart

PieChart of Patient

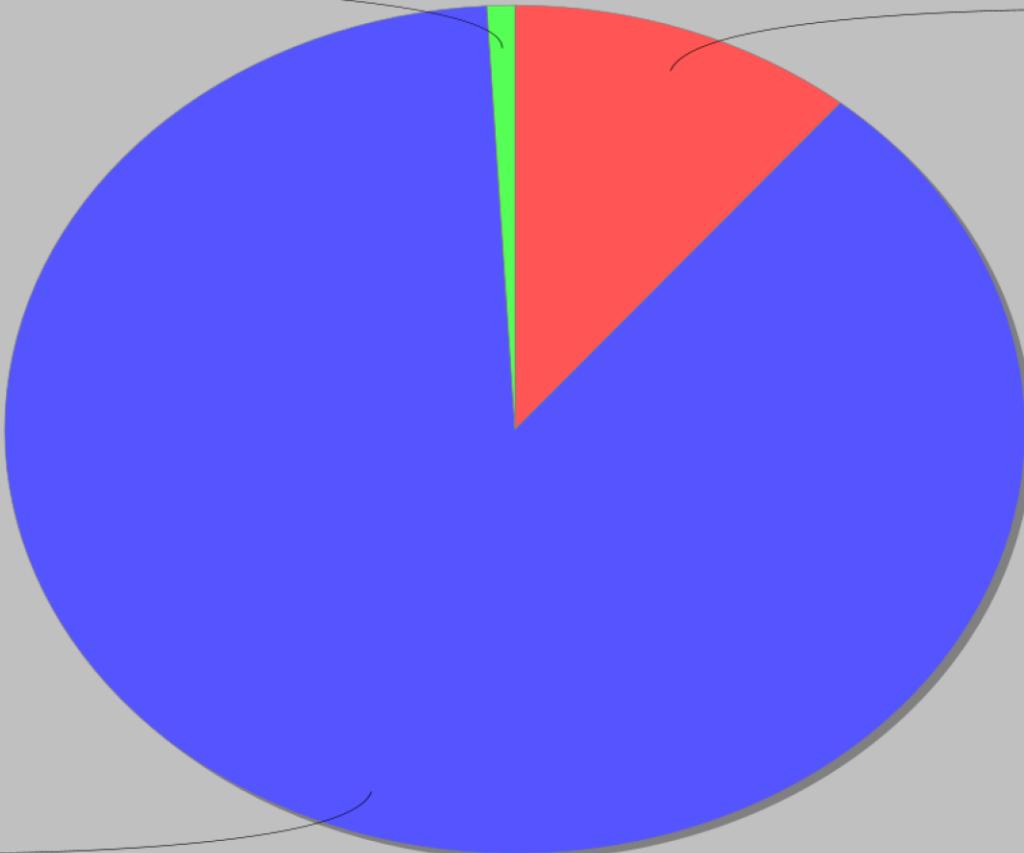
Emergency Request Report



Equipment Availability Chart

Equipment Oxygen cylinder :
(10)

Equipment oxymeter : (125)



Equipment ctscan : (1000)

LOGOUT

Projects	Services
MedicalEmergency	

Navigator

PHARMACY WORK AREA

Medicine	Serial Number	Available Quantity	Status
doxy650	12	10	Available



Serial Number:

12

Medicine Name :

doxy650

OK

Available Quantity:

10

Status :

Available

Add Medicine



LOGOUT

AG

Chat

Recent

Rohit
Rohit

RS Ambu

Sand Sent a

Ravi You: e

Mrun You: S

Vivek Cool

Saura You: h

JJ Jain, .

Char Yes th

Linxir Naren

ITS C User a

Nikhil You: h

Mayc You: T

Activity

Chat

Teams

Assignments

Calendar

Calls

Files

Me

...

Apps

Help

DOCTOR PRESCRIPTION

Name :

puja

Age:

25

Gender

Female

Medicine:

Select

Times a Day:

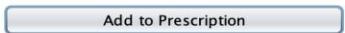
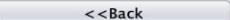
0

For:

0

Date:

Apr 30, 2021

Add to Prescription<<Back

Send Prescription To Customer

Medicine	No of Times	Days
doxy650	3	2

gokhala X | emerger X | Emerge X | emerge X | medical X | RohitSir X | M Inbox (1 X | Patient | X | Untitled X | M Inbox (1 X | M Untitled X | New Tab X +

mail.google.com/mail/u/1/#inbox/ FMfcgxwLtZxwGDvLPQqFdHQWjmlQtPDq

Search mail

Compose

Inbox 64

Starred

Snoozed

Sent

Drafts 11

More

Meet

New meeting

Join a meeting

Hangouts

Ashlesha +

Patient Registration Inbox X

donotreplymedicalemergency@gmail.com
to me ▾ 10:30 PM (22 minutes ago)

Welcome to Emergency Medical System and Thank you for registering with us. Your account Created with User Name -puja and Password -puja. Please stay happy and safe

donotreplymedicalemergency@gmail.com
to me ▾ 10:52 PM (0 minutes ago)

Doctor Prescription - Medicine Name : doxy650, No of times a Day : 3, No of Days2

Reply Forward

No Hangouts contacts [Add someone](#)

Enable desktop notifications for Gmail. [OK](#) [No thanks](#)

Untitled Diagram.png

Show All

THANK YOU !!

