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SOFTWARE DEVELOPMNET PROPOSAL

Project:

Integrated Hospital Management System [IHMS]

XXXXXXXXXX

Submitted by:

SAPROSOFT SOLUTIONS.

30th MARCH, 2020

Table of Contents

	Page No
1. Introduction.....	1
2. Details of the system.....	3
3. OPD/In-Patient Consultation.....	5
4. OPD/In-Patient Dispensary.....	6
5. OPD/In-Patient Morbidity Analysis	7
6. Top 10 Causes of OPD/In-Patient.....	8
7. Statement of Out-Patients (Summary).....	9
8. Statement of In-Patients (Summary).....	10
9. LAB Investigation	11
10. G-DRG Code & Tariffs	12
11. Client Billing & Make ups	13
12. Client Payment Report.....	14
13. Dispensary Desk.....	15
14. Pharmacy Store	16
15. NHIS Claim.....	17
16. NHIS Claim.....	18
17. NHIS Claim Summary OPD/In-Patient.....	19
18. NHIS Claim Summary OPD/In-Patient (<i>MS Excel</i>)	20
19. E-Claims.....	21
20. Key Benefits.....	22.0
21. Minimum Hardware Requirements.....	22.1
22. Project Budget (Cost).....	23.0
23. Payment Terms.....	23.1
24. Project Duration.....	23.2
25. Maintenance Plan.....	23.3
26. Terms and Conditions.....	24.0
27. Project Team Members.....	24.1
28. Previous Projects.....	25
29. Contact Person.....	26

INTRODUCTION

For a company to match performance with the growth and expectations of its constituents, it must dramatically increase its fiscal depth without incurring costly recurring overheads. Automated systems have been proven to be capable of introducing massive efficiencies to business processes that can result in increased revenue.

Applying technological solutions towards the strategic goals for a Company will be a key step towards transforming the Company into an entity that can keep abreast of the needs, requirements and expectations of today's modern world.

Our software is built for your institution. We understand your Hospital is different, so we will build highly flexible system that can stand up to unique and varying needs.

When you partner with SaproSoft Solutions, you join a group of elite institutions that demand success. We understand the challenge to find and select the best system, so we've listed 6 strengths that set us apart from the rest.

1. Experience

We've been at it for nearly 6 years. Not only do we have extensive experience building great administrative software, but many of our team members come from health institutional environments. Our dual perspective gives us an edge above the rest.

2. We listen

We listen and react to what you say. In fact, changes and improvements made to our system come directly from our educational Institutions.

3. We're Dedicated to Customer Support

You work with the same person from day one to implementation and beyond. We build long lasting relationships with our schools. That's hard to come by these days. Our engineers use TeamViewer to offer remote desktop support to our customer. Distance is NO longer an issue when it comes to customer support.

4. Reliable and Dependable

We spend a great deal of time and money making sure your Hospital data is kept private, secure and available. Our Data storage facilities in our software are unique and reliable.

5. Cost Effective Solutions

Because of the way our software is developed and deployed, we give your hospital the opportunity to operate on an enterprise level system without the typical expense and infrastructure required to maintain one.

6. Satisfaction Guaranteed

We won't stop until you are 100% satisfied with the work we do for you. We go above and beyond for our hospitals and clinics.

Details of the Proposed System

IHMS:

IHMS is an integrated information system that covers the following aspects of patient care and administration in hospital management:

OPD, IPD, Medical Services, Pharmacy and stores, NHIS, report generation and Billing system.



This is the fundamental module of the Hospital Management System. Every Patient visiting the hospital for outpatient service or inpatient service is first registered using this module. The module captures the basic personal details of the patient and generates the Unique Sequential Medical Record Number, which can be used for coding the medical records for outpatient as well as inpatient services. Patients can be classified as Insured or Non-Insured.

Patients Information
✖

Patient ID	PAT21134	Record	1	of	1				
OPD No	002036/08	<input type="checkbox"/> Auto Generate				Search by	002036/08		
Surname	MOHAMMED						<input type="radio"/> Name <input checked="" type="radio"/> OPD No <input type="radio"/> NHIS No <input type="radio"/> Address <input type="radio"/> Date of Birth		
Other Name(s)	HARUNA						<input type="button" value="Search"/> <input type="button" value="Refresh"/>		
Date of Birth	5/2/1983	Age	34				<input type="button" value="USE SEARCH FORM"/> <input type="button" value="Prepare ID Card Barcode"/>		
	DD/MM/YYYY								
Sex	Male						<input type="button" value="Load"/> <input type="button" value="WebCam"/> <input type="button" value="Save"/>		
Marital Status	SINGLE		Other Info	GHANAIAN					
Address: Postal		Address: Hse No		Name of Nearest Relative					
BOX 34		J 14 BLK R JUASO		MOHAMMED HABIBA (SISTER)					
Locality		Telephone		Contact Address/Telephone					
JUASO		0267525001		0266272377					
Occupation	Religion		Insurance Status		<input checked="" type="radio"/> Insured <input type="radio"/> Not Insured				
IT MANGER	Islam		Insured		<input checked="" type="radio"/> NHIS <input type="radio"/> Private				
Educational Level	Date of Registration		Register as		Scheme Location		Name of Scheme (District)		
Others	03/02/2008		Existing		JUASO		ASANTE AKIM SOUTH		
	DD/MM/YYYY				Insurance No		Address ID		
					10538319		ASAKS037A1131		
					<input type="checkbox"/> Child		<input type="button" value="Claim Checking Code (CCC)"/>		
					Expiry Date		<input type="button" value="Active"/>		
					12/05/2017		DD/MM/YYYY		
Record Created by: ADMIN			Current Folder Location: NA						
<input type="button" value="First"/> <input type="button" value="Previous"/> <input type="button" value="Next"/> <input type="button" value="Last"/>		<input type="button" value="AddNew"/> <input type="button" value="Edit"/>		<input type="button" value="Cancel"/> <input type="button" value="Delete"/>		<input type="button" value="Save"/> <input type="button" value="Set Folder Location"/>		<input type="button" value="VERIFY & ACTIVATE OPDNO"/> <input type="button" value="Exit"/>	
View Patients Lists									

1.1 OPD CONSULTATION

Patients consulting room details can be entered at the consulting into the system. The prescriber can also prescribe medicines and the patient would have to pick them up at the dispensary.

BIO-STATS

Find by: OPD NHIS

002036/08 **Find Now**

Patient Name: **MOHAMMED HARUNA**
NHIS No: **10538319**
Payment Mode: **CASH**

Age:
Sex:
Date:

Insured Transaction?? **YES**

Weight: Pulse:
BP: Height:
Temperature:

OPD Consulting Room

Find by: OPD NHIS

002036/08 **Find Now**

Patient Name: **MOHAMMED HARUNA** **SELECTED CLINIC/UNIT**
NHIS No: **10538319** **GENERAL OPD**

Age:
Sex:

Diagnosis 1: GDRG **MEDI28A**
Simple Malaria - Adult
Morbidity: Review Referred Out

Diagnosis 2: GDRG **NA**
NA
Morbidity: Review Referred Out

Diagnosis 3: GDRG **NA**
NA
Morbidity: Review Referred Out

Diagnosis 4: GDRG **NA**
NA
Morbidity: Review Referred Out

G-DRG

Insured Transaction?? **YES** **Capitated?? YES**

OPDC06A **GHc10.20** Type of Visit: Chronic Follow-up Emergency/Acute

Select Related Groupings:
GENERAL OPD - ADULT - OPDC06A
GENERAL OPD - ADULT - OPDC06A
GENERAL OPD - CHILD - OPDC06C
IN-PATIENT TRANSFER OUT/REFERRAL - A

Date: Weight: Pulse:
 Height: BP:
Medical Doctor/Officer: Temperature:
Additional Notes:

Drug Prescription Show All Medicines

ACETAZOLAMIDE INJECTION, 500 MG-AC
ACETAZOLAMIDE TABLET, 250 MG-AC
ACETYL CYSTEINE INJECTION, 200 MG
ACETYLSALICYLIC ACID TABLET, 300
ACETYLSALICYLIC ACID TABLET, 75
ACTIVATED CHARCOAL POWDER, 50
ACYCLOVIR CREAM, 5%-ACICLOCR1

Stock Level:
Dosage: X

Drug Name	Dosage
NA	

1.2 OPD DISPENSARY

Medicines are dispensed here to patients.

OPD Dispensary

Find by: Patient Name:
 OPD NHIS Find Now Exit NHIS No: Payment Mode:

Age: Weight: Pulse: Height:
 Sex: BP: Temperature:
 Disease /Diagnosis:

G-DRG: Amount:
 Date: Pick date:
 Insured Transaction??

security check
User: Admin
Date: 5/10/2017 5:26:30 PM

➕ Back
🖨️ Print

Drug Name: All Prescribed Non-insured Drug Type:
 Unit of Measure:
 Patient's Weight:
 Dosage: X
 Quantity to give:
 Unit Selling price:
 Total Amount:
Add Drug to List

1 2 3 4 5
6 7 8 9 0 Clear

Date	Drug Code	Drug Name	Qty	Unit Price	Total	Insured?
5/10/2017	PARACETA1	PARACETAMOL TABLET, 500MG	30	0.03	0.9	YES
5/10/2017	SODCHLIN3	SODIUM CHLORIDE INFUSION, 0.9%	1	4.69	4.69	YES

Dosage: Stock Level: NHIS Topup:

Cost of Non-Insured Medicines and/or NHIS Topup Cost: GH¢0.00 Total Cost: GH¢5.59
 Tariff: GH¢10.20
GH¢15.79

Selected Drug: Dosage:
 Drug Code: Date: Qty: ✖ Delete
 Drug Name:

OPD Dispensary

Find by: Patient Name:
 OPD NHIS Find Now Exit NHIS No: Payment Mode:

Age: Weight: Pulse: Height:
 Sex: BP: Temperature:
 Disease /Diagnosis:

G-DRG: Amount:
 Date: Pick date:
 Insured Transaction??

security check
User: Admin
Date: 5/10/2017 5:26:30 PM

➕ Back
🖨️ Print

Drug Name: All Prescribed Non-insured Drug Type:
 Unit of Measure:
 Patient's Weight:
 Dosage: X
 Quantity to give:
 Unit Selling price:
 Total Amount:
Add Drug to List

1 2 3 4 5
6 7 8 9 0 Clear

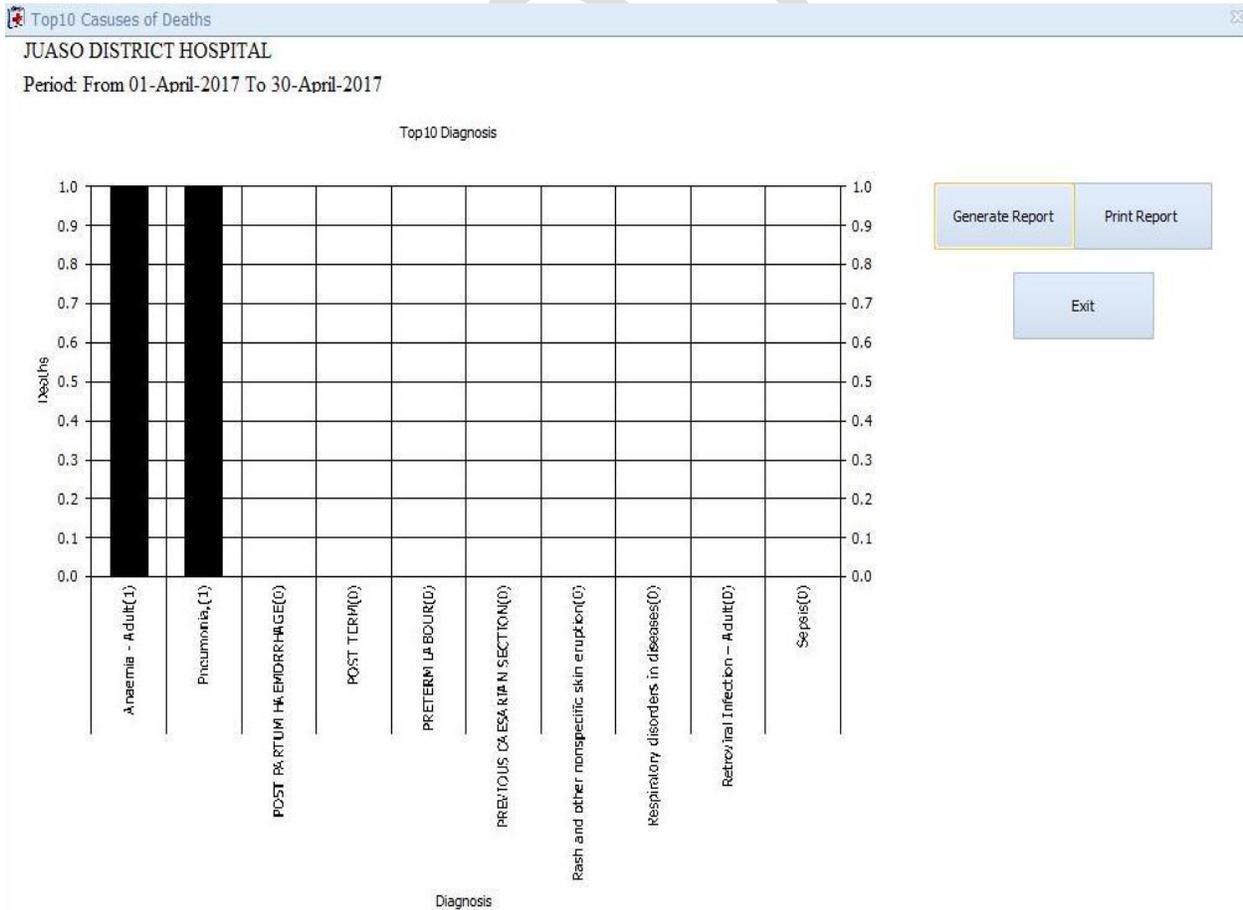
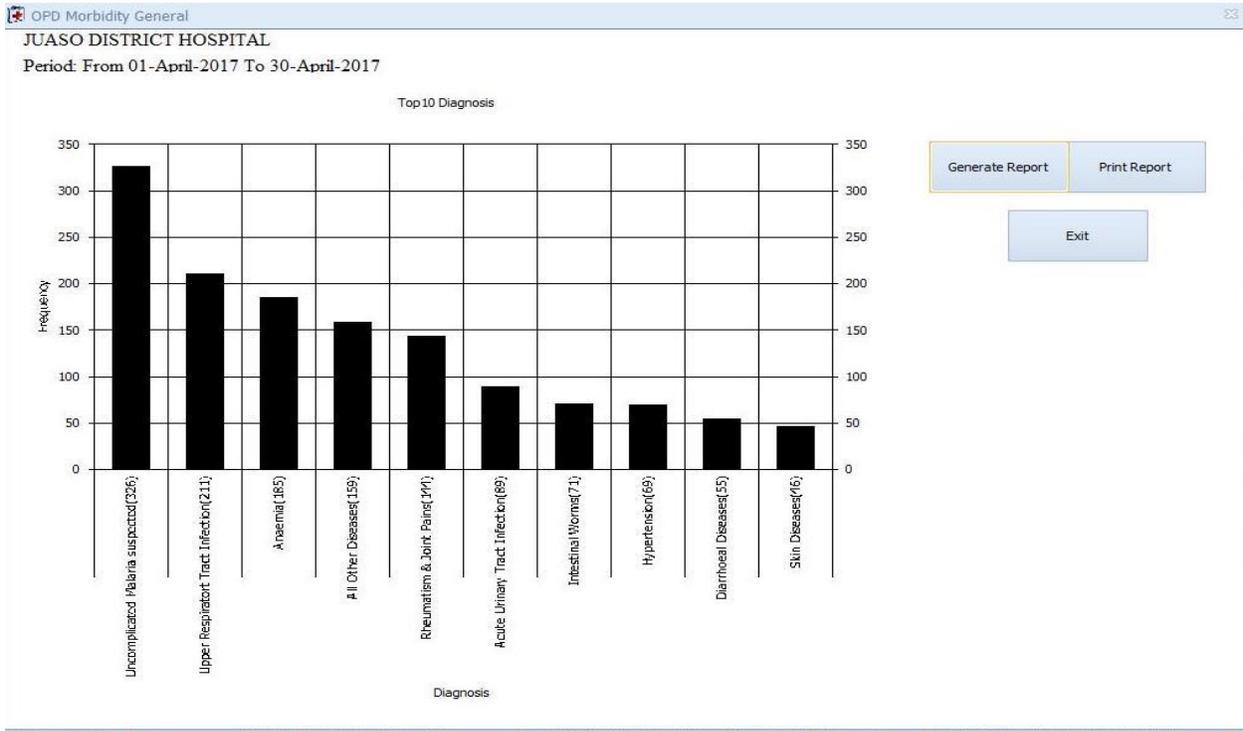
Date	Drug Code	Drug Name	Qty	Unit Price	Total	Insured?
------	-----------	-----------	-----	------------	-------	----------

Dosage: Stock Level: NHIS Topup:

Cost of Non-Insured Medicines and/or NHIS Topup Cost: GH¢0.00 Total Cost: GH¢0.00
 Tariff: GH¢10.20
GH¢10.20

Selected Drug: Dosage:
 Drug Code: Date: Qty: ✖ Delete
 Drug Name:

b) Top 10 causes of OPD Morbidity



c) Statement of OPD

Statement

Zoom 100%

Statement of Out-Patients (Summary)

Service Provider: JUASO DISTRICT HOSPITAL

District: ASANTE AKIM SOUTH

Region: ASHANTI REGION

Month/Year: From 01-April-2017 To 30-April-2017

Age Groups	INSURED PATIENTS				NON-INSURED PATIENTS				TOTAL	
	New		Old		New		Old		MALE	FEMALE
	Male	Female	Male	Female	Male	Female	Male	Female		
0-28 DAYS	10	1			1				11	1
1-11 MTHS	37	42	23	26	2	2			62	70
1 to 4	104	119	81	72	6	2		1	191	194
5 to 9	38	45	19	24	5	5			62	74
10 to 14	19	26	5	8	3	2			27	36
15 to 17	14	29	8	31	1	11	1		24	71
18 to 19	6	37	6	31	4	8			16	76
20 to 34	48	328	35	278	28	32		2	111	640
35 to 49	35	115	55	227	24	18	1	3	115	363
50 to 59	20	54	54	208	10	10	2	7	86	279
60 to 69	23	40	73	199	11	5	2		109	244
70 & Above	32	69	89	221	6	9	1	1	128	300
TOTAL	386	905	448	1,325	101	104	7	14	942	2,348

SUMMARY OF OUT PATIENTS MALARIA CASES

Patients below 5 years reporting with Malaria:

Patients 5 years & above reporting with Malaria:

MALE	FEMALE	TOTAL
92	89	181
127	342	469

Statement of In-Patients (Summary)

Service Provider: JUASO DISTRICT HOSPITAL

District: ASANTE AKIM SOUTH

Region: ASHANTI REGION

Month/Year: From 01-April-2017 To 30-April-2017

Age Groups	INSURED PATIENTS				NON-INSURED PATIENTS			
	ADMISSION		DEATH		ADMISSION		DEATH	
	Male	Female	Male	Female	Male	Female	Male	Female
0-28 DAYS	2	1						
1-11 MTHS	11	15			2	2		
1 to 4	44	38			4	1		
5 to 9	5	8			4	2		
10 to 14	5	7			1	1		
15 to 17	3	12				7		
18 to 19	2	13				6		
20 to 34	10	156			12	11		
35 to 49	11	48		1	9	8		
50 to 59	9	18			2	3	1	
60 to 69	5	7			3	2		
70 & Above	8	16			4	5		
TOTAL	115	339		1	41	48	1	

SUMMARY OF IN-PATIENTS MALARIA CASES

Patients below 5 years Admitted with Malaria:

Patients 5 years and above Admitted with Malaria:

Patients below 5 years Dying of Malaria:

Patients 5 years and above Dying of Malaria:

MALE	FEMALE	TOTAL
50	40	90
33	97	130

2. In-Patient Department

This is the base module for inpatient services. A separate unique account is generated internally to control all procedures and activities relating to that admission. The module also captures and updates the room and surgery details, and also computes the cost of surgery, etc.

■ In-Patient Morbidity Reports

This sub module allows users to generate several In-patient morbidity reports such as:

- a) In-patient Morbidity Report
- b) Top 10 In-patients Morbidity
- c) Statement of In-patients

3. Medical Services

This module allows the administrator to set up the cost of medical services in all functional units of the hospital, e.g. opd folder new, consultation etc. This enables the preparation of bills for services that do not fall under the NHIS.

Operations and Service Charges

Service ID: OP01

Service Name: INSURED LAB INVESTIGATION

Service Type: INVESTIGATION

Insurance Type: Insured Non-Insured

Buttons: Cancel, << Prev, Next >>, AddNew, Edit, Delete

Detailed Service Charges

Code	Service Name	Charge
INVE99D	Routine Urine Examination	c4.21
INVE98D	Routine Stool Examination	c3.67
INVE97D	Rheumatoid Factor	c4.02
INVE96D	Reticulocyte Count (Retics)	c4.43
INVE95D	Prothrombin Time	c6.59
INVE94D	Prostate Specific Antigen (PSA)	c14.70
INVE93D	Progesterone (Prog)	c13.67
INVE92D	Pregnancy Test	c5.12
INVE91D	Plasma Cortisol	c5.82
INVE90D	X-ray two region	c24.73
INVE89D	X-ray one region	c14.92
INVE88D	Percutaneous Biopsy - Flourosopic Guide	c40.64
INVE87D	Percutaneous Biopsy - CT Scan Guide	c55.17
INVE86D	Pap Smear/Fine Needle Aspiration	c13.85
INVE85D	Pancreatic Amylase	c8.46
INVE84D	Orthoarthromograph (OPT)	c23.67

Buttons: Add More, Insurance Status (Insured selected), Download List, Connect to Excel WorkBook, Import Data Now, Exit

G-DRG CODE

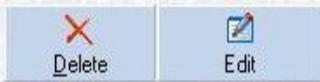
RELATED GROUPINGS

TARIFF

Search by G-DRG



Make sure that the G-DRG Codes are in Column A, And the Amount or Tariff is in Column B



SPECIALTY FOR CLAIMS SUMMARY

TOTAL RECORDS: 31

ICD-10 CODE

DIAGNOSIS

G-DRG CODE

TARIFF

Morbidity Group Name

Search by

- ICD-10
- G-DRG CODE
- DIAGNOSIS



Make sure that the ICD-10 Codes are in Column A, Diagnosis in Column B, G-DRG Codes are in Column C, And the Amount or Tariff is in Column D.



RECORD: 1 OUT OF 1494

4. Patient Billing:

This module is used to record the charges for the patient services provided by the various clinical departments, e.g. lab tests, opd, emergency. The module can be set up either in centralized or decentralized format, e.g. to suit the setup of the cash department(s) in the Hospital. This module allows accounts officers to generate reports of all transactions of all patients in the hospital for specific days or months.

CASH PAYMENTS

Find by: Patient Name:
 OPD NHIS **Find Now** NHIS No: Payment Mode:

Age: Sex: Date: Pick date

Services and Medicines

Service/Drugs	Unit Price	Qty	Total

Medicine(GH¢) Pay Medicine
 Service(GH¢) Pay Service
 Total (GH¢) Pay Total
 Paid (GH¢)

Bal (GH¢) GCR: REC Auto Generate

Narration: **Accept Payment**

Revenue Type: + -

security check: User: Admin Date: 5/10/2017 5:36:54 PM **Exit**

CASH PAYMENTS

Find by: Patient Name:
 OPD NHIS **Find Now** NHIS No: Payment Mode:

Age: Sex: Date: Pick date

Services and Medicines

Service/Drugs	Unit Price	Qty	Total

Medicine(GH¢) Pay Medicine
 Service(GH¢) Pay Service
 Total (GH¢) Pay Total
 Paid (GH¢)

Bal (GH¢) GCR: REC Auto Generate

Narration: **Accept Payment**

security check: User: Admin Date: 5/10/2017 5:36:54 PM **Exit**

JUASO DISTRICT HOSPITAL
Hospital Attendance For Today 05-Dec-2012

SN	OPD No/Staff ID	Patient Name	Date	Cost of Services	Details of Services	Details of Invoices/Receipts
1	324242342	DSDFSD DFSDFS	05/12/2012	€6.01	ULTRASOUND	JDH0001
Admin						
Total Recs		1	Total	€6.01		

View Payments

Daily View

Payment Report

Today
 Other Days
 Period

Type

Medicine Service ALL

View

Exit

View Transactions Details

Daily View

Cash Transactions Details

Today
 Other Days
 Period

View

Exit

This module keeps inventory of all medicines in the hospital (both insured and non-insured). As medicines are dispensed at the Dispensary, the stock level is reduced.

The module comes with Expiry date check and alert system that reminds the pharmacist of medicines that would expire in some specified period, which is configured by the pharmacist.

OPD Dispensary

Find by: OPD NHIS

002036/08 **Find Now** **Exit**

Patient Name: **MOHAMMED HARUNA**
NHIS No: **10538319** Payment Mode: **CASH**

Age: 34 Weight: 70 Pulse: 98 Height: NA
Sex: Male BP: 110/60 Temperature: 36.1
Disease / Diagnosis: Simple Malaria - Adult

G-DRG: OPDC06A Amount: GH¢10.20
Date: 5/10/2017 Pick date

Insured Transaction?? **YES**

security check
User: Admin
Date: 5/10/2017 5:26:30 PM

Back
Print

Drug Name: All Prescribed Non-insured
Drug Type: **Insured**
Unit of Measure: 500ML
Patient's Weight: 70
Dosage: 1 daily X 1
Quantity to give:
Unit Selling price: 4.69
Total Amount:
Add Drug to List

1 2 3 4 5
6 7 8 9 0 **Clear**

Date	Drug Code	Drug Name	Qty	Unit Price	Total	Insured?
5/10/2017	PARACETA1	PARACETAMOL TABLET, 500MG	30	0.03	0.9	YES
5/10/2017	SODCHLIN3	SODIUM CHLORIDE INFUSION, 0.9%	1	4.69	4.69	YES

Dosage: Stock Level: **591** NHIS Topup:

Cost of Non-Insured Medicines and/or NHIS Topup Cost: **GH¢0.00**
Total Cost: **GH¢5.59**
Tariff: **GH¢10.20**
GH¢15.79

Selected Drug: Dosage: 2 tid x 5
Drug Code: PARACETA1 Date: 5/10/2017 Qty: 30 **Delete**
Drug Name: PARACETAMOL TABLET, 500MG

Dispensary Desk

Increase Pharmacy Stock Level

Drug Name Insured Non-Insured

ACETAZOLAMIDE INJECTION, 500 MG ACETAZIN1
 ACETAZOLAMIDE INJECTION, 500 MG ACETAZIN1
 ACETAZOLAMIDE TABLET, 250 MG ACETAZTA1
 ACETYLSALICYLIC ACID TABLET, 75 MG (DISPERSIBLE) ACI
 ACETYLCYSTEINE INJECTION, 200 MG/ML ACETYLIN1
 ACETYLSALICYLIC ACID TABLET, 300 MG ACETYLTA1
 ACYCLOVIR CREAM, 5% ACICLOCR1
 ACYCLOVIR EYE OINTMENT, 3% ACICLOEO1
 ACYCLOVIR INJECTION, 250 MG VIAL ACICLOIN1
 ACYCLOVIR SUSPENSION, 200 MG/5 ML ACICLOSU2
 ACYCLOVIR TABLET, 200 MG ACICLOTA1

Pharmacy Store 0 **Cost Price(GH¢)** 0
Stock Level 0
Batch No. BAT0004
Invoice No.
Received Date 11/05/2017
Expiry Date 11/05/2017
Supplier
Increase Qty by **Add to Invoice**

Details of Invoice Number

Code	Date	Expiry Date	Qty	Invoice No	Supplier	Receiver	Cost Price

Return to Supplier
View Invoice Details
New Medicine

Total Invoice Amt (GH¢)

Save Invoice **Exit**

Drugs Issue

Medicines Dispensed to Wards/Theater and Other Units from Pharmacy

Insured Non-Insured

Facility/Department DISPENSARY

Medicine ACETYLSALICYLIC ACID TABLET, 75 MG (DISPERSIB
 ACETAZOLAMIDE INJECTION, 500 MG ACETAZIN1
 ACETAZOLAMIDE TABLET, 250 MG ACETAZTA1
 ACETYLSALICYLIC ACID TABLET, 75 MG (DISPERS
 ACETYLCYSTEINE INJECTION, 200 MG/ML ACETYL
 ACETYLSALICYLIC ACID TABLET, 300 MG ACETYL

Unit TABLET
Date 5/11/2017 **Pick date**
Quantity
Unit Selling price 0.06 **Issue Medicine Now**
Total Amount

Stock Level at STORE 26800 **Stock Level at Dispensary** 2509

Return this Quantity to STORE

 << Return Now

Dispensary Desk

security check
 User: Admin

Update Record

AddNew **Finish** **Transfer from Dispensary to Pharmacy** **Exit**

6. NHIS

This module allows the generation of the NHIS claim report for OPD and IPD patients. It allows the configuration of Non-drug tariffs and its related groupings, ICD-10 codes and its primary diagnosis. It reduces the preparation of Claims to the press of a button. The system is able to print the detailed NHIS Claim Sheet.

(To be filled by health care providers who provided Out or In - Patient Services)

	Description	ICD-10	G-DRG
Diagnosis 1	SIMPLE MALARIA - ADULT	B 5 4 . .	O P D C 0 6 A
Diagnosis 2			
Diagnosis 3			
Diagnosis 4			

Investigations (To be filled by health care providers providing Diagnostic service only)

	Description	Date	G-DRG
Investigation 1	B/F FOR MALARIA PARASITES	1 0 / 0 5 / 2 0 1 7	I N V E 0 9 D
Investigation 2	BLOOD GROUPING	1 0 / 0 5 / 2 0 1 7	I N V E 1 7 D
Investigation 3			
Investigation 4			

Medicines (To be filled by health care providers who dispensed medicines)

	Description	Price	Qty	Total	Date	Code
1	PARACETAMOL TABLET, 500MG (Dosage:2 tid x 5)	0.03	30	0.90	10/05/17	P A R A C E T A 1
2	SODIUM CHLORIDE INFUSION 0.9%, 500ML (Dosage:1 daily x 1)	4.69	1	4.69	10/05/17	S O D C H L I N 3
3						
4						
5						
6						
7						
8						
9						

Client's Claim Summary

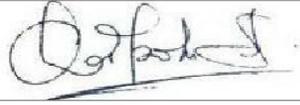
	Type of Service	G-DRG / Code	Tarrif Amount
A	In - Patient		
B	Out - Patient	D E N T 0 1 A	2 4 . 7 4
C	Investigations		
D	Pharmacy		5 . 5 9

TOTAL 3 0 . 3 3

Available Choices
A&D or B&D or C&D or C or D

Scheme Use Only

Date Received		Action 1		Date		Signed	
Signed		Action 2		Date		Signed	

Signature

Name
CHARLES OPOKU
(Health facility Insurance Officer)

Book1 - Microsoft Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW

Clipboard Font Alignment Number Styles Cells Editing

O133

JUASO DISTRICT HOSPITAL
OPD CLAIM REPORT (SUMMARY)
10-May-2017 To 10-May-2017 CAPITATION - ALL
CLAIMS RANGE (1 - 200)

S/N	Name of Patient	Attend. Date	Age	Sex	Folder No	NHIS ID No.	Diagnose (s)	G-DRG	ICD-10	Medicine (GHC)	Service (GHC)	Total (GHC)	Claim No
1	ADDAE KWASI NANA	2017-05-10	88	Male	003199/08	23518577	Pneumonia	OPDC14A	J18.9	26.37	0.00	26.37	C001
2	GYASI COLLINS	2017-05-10	68	Male	000452/08	23495551	Hypertension - Adult, Per	OPDC14A	I10, I10-	13.80	0.00	13.80	C002
3	ACHEAMPONG KINGSLEY	2017-05-10	43	Male	003305/15	44210422	Schizophrenia	OPDC14A	F20	0.00	0.00	0.00	C003
4	NYARKOAA DORA	2017-05-10	62	Female	004574/08	23511920	Diabetes Mellitus - Adult, Per	OPDC14A	I10, I10-, S05.	55.40	0.00	55.40	C004
5	APPIAH PRISCILLA	2017-05-10	41	Female	06340/16	53499116	Diabetes Mellitus - Adult, OPDC14A	OPDC14A	E14, I10-, B33	31.66	0.00	31.66	C005
6	SERWAA AKUA	2017-05-10	1	Female	07786/16	15859947	Anaemia - Child, Dysentery	OPDC14C	D50.9., A09.0.	9.30	0.00	9.30	C006
7	AYIWAH PAULINA	2017-05-10	57	Female	02665/17	23530483	Peptic Ulcer Disease, Pter	OPDC14A	K27, Q10.0,	13.00	0.00	13.00	C007
8	AGYEKUMWAA EMMANUELLA	2017-05-10	1	Female	02812/17	12673312	Urinary Tract Infection, Uc	OPDC14C	N39.0., J98.8.	20.50	0.00	20.50	C008
9	ADOMA AFIA	2017-05-10	73	Female	002734/08	10537478	Hypertension - Adult, Myc	OPDC14A	I10, B33.0, H2	90.96	0.00	90.96	C009
10	MARFOWAA GLADYS	2017-05-10	44	Female	007263/11	23501528	Hypertension - Adult, Sim	OPDC14A	I10, B54., D50	49.70	0.00	49.70	C010
11	GYIMAH SETH	2017-05-10	51	Male	000130/2008	10538752	Hypertension - Adult, Myc	OPDC14A	I10, B33.0, B5	33.50	0.00	33.50	C011
12	BOAKYE KWADWO	2017-05-10	42	Male	000415/13	64024487	Diabetes Mellitus - Adult	OPDC14A	E14	54.80	0.00	54.80	C012
13	GYAMFUAA AMMA	2017-05-10	85	Female	006774/08	23514704	Hypertension - Adult, Gas	OPDC14A	I10, A09., I10-	23.80	0.00	23.80	C013
14	KWANKYE PRISCILLA	2017-05-10	13	Female	009821/09	23502868	Hypertension - Adult, Dial	OPDC14A	I10, E14, I10-	13.31	0.00	13.31	C014
15	BREMPOMAA YAA	2017-05-10	61	Female	004018/09	62004399	Peripheral Neuropathy - A	OPDC14A	I10-, I10, B33.	39.30	0.00	39.30	C015
16	KORANTENG MARY	2017-05-10	65	Female	003414/08	23487889	Hypertension - Adult, Sim	OPDC14A	I10, B54.	28.26	0.00	28.26	C016
17	SAI IFIJI BUISANGA	2017-05-10	76	Male	002458/08	10244393	Hypertension - Adult, Per	OPDC14A	I10, I10-	14.40	0.00	14.40	C017

Book1 - Microsoft Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW

Clipboard Font Alignment Number Styles Cells Editing

CLAIMS SUMMARY PER SPECIALITY
JUASO DISTRICT HOSPITAL
10-May-2017 To 10-May-2017
CLAIMS RANGE (1 - 200)
OUT - PATIENT

NO	SPECIALTY	GDRG CODE	ATTENDANCE	MEDICINE(GHC)	SERVICES(GHC)	TOTAL GHC
		OPDC14A	112	3,821.92	0.00	3,821.92
		OPDC14C	20	221.30	0.00	221.30
TOTAL			132	4,043.22	0.00	4,043.22

Capitated **Non Capitated** **Both**

From To

Clinic/Unit

- ALL
- GENERAL OPD
- ANTENATAL/POSTNATAL (ANC)
- DENTAL

All Clinics/Units EXCEPT the Selected one.

Page Size
From To

 **Prepare Claims**

PRIVATE INSURANCE

Name of Scheme

 **Export to MS Excel**

NON-INSURED

 **View Report**  **Export to MS Excel**

 **Exit**

From To

Report based on Principal Diagnosis

Select Diagnosis **Insured and Non-Insured**

- 3rd & 4th degree Perineal laceration
- Abdominal injury due to birth trauma
- Abdominal pain
- Abnormal uterine and vaginal bleeding

All Discharged Patients

Select Ward/Unit

Select MDC Grouping

- ALL
- FEMALES' WARD
- PAEDIATRICS' UNIT
- MALE'S WARD

All Wards/Units EXCEPT the Selected one.

Page Size
From To

 **Prepare Claims**

 **View Report**  **Export to MS Excel**

NON-INSURED

Select Ward/Unit

PRIVATE INSURANCE

Name of Scheme

 **Export to MS Excel**

 **View Report**  **Export to MS Excel**

 **Exit**

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Key Benefits

By automating this Hospital management system, the hospital will be having lot of benefits. This will reduce human effort and also the increase the efficiency of all reports and claims prepared. Some more benefits to the hospital include;

- Administration can take summary reports whenever they need from the system. These include hospital attendance for any day, drugs sold out in any day, stock level report etc.
- Medical store can have high performance due to the immediate updating service provided by the system when the drug quantity is reduced.
- The accounts office would have details of all patients who visit the hospital in a day and can easily get all payment records. This would ensure maximum generation of revenue.
- Cashiers can improve the efficiency with the proposed automated system when issuing receipts.
- Stock levels of medicines could be properly monitored.

Minimum Hardware Requirements

There are number of hardware components connected with this system. To make the software system more efficient these components are needed. Hardware

- 1) Local Area Network (LAN) or Wi-Fi access point
- 2) Windows 7, 8, 10, Server 2008, Server 2012, 64 bits (PC)
- 3) LCD Monitor
- 4) DELL PowerEdge T20 or Any type of Computer with 8/16 GB Ram 3.0 GHz or Above
- 5) 1TB GB Hard disk drive or better
- 6) UPS
- 7) HP LaserJet Pro 400 Printer or Above (**ONLY IF CLAIMS WILL BE PRINTED**)
- 8) Cash Receipt printer

PROJECT BUDGET

A) SOFTWARE COST

1. Estimated cost of the project is **GH¢ 25,500.00** (Twenty-five Thousand Five Hundred Ghana Cedis) in software fees
2. This is a one-time (one-off) payment. The Hospital would own all Copyrights of Systems Developed.

GRAND TOTAL: GH¢25,500.00

PAYMENT TERMS

SaproSoft has flexible means of billing it users for the services it renders, after 45 days' free trial period of the software. **70%** of the Total cost must be paid upon the signing of agreement and the commencement of work on the project. The remaining **30%** shall be paid after full implementation. SaproSoft would offer One (1) year of free customer support. After this period charges would apply to support services rendered. This would be detailed in the agreement.

PROJECT DURATION

The project would be completed **two (2) months** after all agreements have been duly signed.

MAINTENANCE PLAN

After the first year **COST FREE** Support, SaproSoft Solutions would offer maintenance at the request of the Customer and at a **NEGOTIATED** cost. There would be **NO** fixed charges imposed on the Customer by the Developer.

TERMS AND CONDITIONS

- Once project fee is paid in full, SaproSoft would grant to the Customer from the date of payment a non-exclusive, worldwide licence to:
 - (a) install the Developed Software;
 - (b) use the Developed Software in accordance with its documentation;
 - (c) back-up the Developed Software;
- SaproSoft retains the right to display graphics and other content elements as examples of their work in their portfolio and as content features in other projects.
- SaproSoft also retains the right to place a discreet text (marketing line) at the bottom of all reports.

PROJECT TEAM MEMBERS

1) Eric Kofi Asiedu

MSc ICT (Osei Tutu II Institute for Advanced ICT Studies, KNUST)

BSc Computer Science (KNUST)

Role at SaproSoft: CEO and Senior Programmer

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2) Haruna Mohammed

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