APPENDIX A

REQUIREMENTS GATHERING FORM

Requirements Gathering Form

Title: Dr. Mr. Ms.

 Name (optional)
 :

 Occupation
 :

Please fill in the following particulars.

Nam	ie of Medical Cer	iter:							
Place of Work : 📮			Government Clinic		Pri	vate Clinic			
ū			Government Hospital	Pri	vate Hospital				
Worl	k Area :	Url	oan						
_	nstructions: P	lease an	rer Section A and B. Answ ur medical centre. swer Section A. For each (v) your answer where app	of the fo				istin	
S	Section A : Gener	al Quest	ions			Yes	No	1	
1	. Is computer us	ed at you	r medical center?						
2	. Do you think t to rural and ur	hat the sp ban areas	pecialists, in general, are distr	ibuted equ	ally	0			
3	whereby the in	formation btained	ve a computerized medical ex n of each medical expertise at and analyzed immediately? erwork!)	pertise sys your medi	tem, cal	0	0		
4.	. Is there a comp when they need	outer at you d informa	our medical center for the use	of patients ertise?	5		0		
5.	medical experti	ise at the aper repo zed Syste	ative staff manage or keeps to medical center? rts) m	ack of the					
							- 1		

In	structions: Please answer Section B. For each of the following questions, please tick ($$) your answer where applicable.
Se	ction B : Requirements Gathering for A System to Keep Track of Medical Expertise
1.	Do you think a computerized system to keep track of medical expertise is needed? Yes No
2.	The main features that you would like to have in the new system would be (you may tick more than one): Add/Modify/Deltes Specialists' Record Generate and Print Reports Analyze Records Others, please specify.
3.	What are the extra features that you will be looking for in a system to keep track of medical expertise? (you may tick more than one): Security feature e.g. password Help menus Others, please state.
4.	Would you like to have a statistical package incorporated in the system? Yes No
5.	Would you use such a system at your medical center?
6.	Do you think you will benefit from such a system?
7.	Would you like the system to be accessed by patients, too, in finding information of their desired medical expertise/specialist?
8.	Do you think this system will be a useful and a practical system at medical centers? ☐ Yes ☐ No

Instructions: Please answer this section if there is an existing system at your medical centre. Otherwise, please omit this section.

Section C: Current System Used

1	. What is the name and the version of the current system used at your medical centre?
	Name :
	Version :
2	When was it implemented?
	Year :
3.	Who uses the system? Health care managers Administrative Staff Doctors/Physicians Nurses Others, please state.
4.	The main features that the system has (you may tick more than one) Add/Modify/Delete Specialists' Records Generate and Print Reports Analyze Specialists' Records Others, please specify.
5.	Is security feature provided in the system (e.g. password)? \square Yes
6.	Is there a statistical package incorporated in the system? $ \begin{tabular}{ll} \square & Yes & \begin{tabular}{ll} \square & No \end{tabular}$
7.	Can patients use this system, too, in finding information of their desired medical expertise/specialist?

8.	Is the system beneficial to your medical center? (e.g. improves job effectiveness, reduces paper volume reports, etc.) $\hfill Yes \hfill No$
	If yes, please state how.
	If no, please state why.
9.	What are the weaknesses and limitations of the current system (if any)?
10.	What are the future enhancements that you would like to see in the system that you are currently using (if any)?

Thank you for your participation!

APPENDIX B

EVALUATION FORMS

MediX Evaluation Form (Administrator)

Please fill in the	follov	ing par	ticulars.				
Title :	Q	Dr.	ū	Mr.			Ms.
Name (optional)		:					
Occupation		:					
Place of Work		: 🖫	Government C	linic		Q	Private Clinic
			Government H	lospital			Private Hospital
Work Area :			Rural			ū	Urban
	plea	ise circ	wer All Section le or tick $()$ yo	ns. For each	where	e follo applic	owing questions, cable.
Section A : G	ener	al					
2. Has the sy	ading Ver Eas Mo stem Yes	the Use y Easy y derate fulfilled	system easy to be Manual (for the Manual) (for the Manual	ne first time fficult ry Difficult comment rements?	e). t		
Section B : M	essag	es					
operation?	Very Help Mod	Helpfu oful erate	□ Not	ly Helpful Helpful comment			

3	. Was there any incorrect message found during the operation of the system?			
	If yes, please state at which form and what type of error message.			
4.	During the operation of the system, has any runtime erro been detected?	r		
	If yes, please state at which form it occurred.			
	in yes, prease state at which form it occurred.			
6.				
	ection C : Functions/Modules	Yes	No	No Comment
1.	Are the forms logically integrated?			
2.	Are the functions or modules (e.g. add/modify/delete) logically integrated?	_		
 3. 	logically integrated?	_	0	0
	logically integrated? Is the record easy to be added, modified or deleted in the	_	_	
3.	logically integrated? Is the record easy to be added, modified or deleted in the database?		_	
3.	logically integrated? Is the record easy to be added, modified or deleted in the database? Is the reporting function helpful in your daily work?			
3.4.5.	logically integrated? Is the record easy to be added, modified or deleted in the database? Is the reporting function helpful in your daily work? Are correct results displayed when you print a report? Is the chart/graph module necessary?			
3.4.5.6.7.	logically integrated? Is the record easy to be added, modified or deleted in the database? Is the reporting function helpful in your daily work? Are correct results displayed when you print a report? Is the chart/graph module necessary? Is security feature undertaken in the system (e.g. password)?			0
3.4.5.6.7.	logically integrated? Is the record easy to be added, modified or deleted in the database? Is the reporting function helpful in your daily work? Are correct results displayed when you print a report? Is the chart/graph module necessary? Is security feature undertaken in the system			
3.4.5.6.7.	logically integrated? Is the record easy to be added, modified or deleted in the database? Is the reporting function helpful in your daily work? Are correct results displayed when you print a report? Is the chart/graph module necessary? Is security feature undertaken in the system (e.g. password)? ettion D: Statistical Package			

_				
3.	Could you perform all the necessary statistical analysis for the time being?			
4.	Is the statistical package (incorporated together with the system) easy to use?			
5.	Do you need training in Stata (statistical package)?			
6.	Is it good to have a statistical package incorporated with the system?			
Sec	tion E : User Interface	Yes	No	No Commen
1.	Is the screen overcrowded with command buttons and text boxes?			
2.	Are the fonts used viewable and at appropriate size?			
3.	Are the colours used for the screen appropriate?			_ ·
4.	The user interface of the MediX system is Excellent Moderate Very Good Poor Good Very Poor			
S	Size F. O. W.			
Seci	tion F : Overall Aspects			
1.	In your opinion, is MediX easy to use? Very Easy Easy Moderate No comment			
2. 1	In your opinion, is MediX a useful system for the medical community?			
	□ Very Useful □ Fairly Useful □ Useful □ Not Useful □ Moderate □ No comment			
3. I	ar your opinion, is MediX a useful system for the general oppulation? Very Useful Fairly Useful Not Useful Not Observed No comment			
	are you happy/satisfied with the system? Very Happy/Satisfied Unhappy/Dissatisfied Happy/Satisfied Very Unhappy/Dissatisfied Moderate No comment			

Section G: Comments/Recommendations

As you s	see it, what are the primary benefits of the MediX system (check as many as:) Improved job efficiency Cost and time savings No benefit Others, please state.
	the primary drawbacks in the MediX system (check as many as necessary)? Lack of familiarity with the system. The system is too complex to be understood. Too many computer terms used. Others, please specify.
Are there currently?	any important functions that the system should provide but is unavailable
	What are:

Thank you for your participation!

User Feedback Form

Pleas	se fill in the	follov	ing parti	culars.					
Title	:	ū	Dr.			Mr.			Ms.
Nam	e (optional)		:				_		
Оссі	pation		:				_		
_									
In	structions:						ch of the f	ollow	ing questions,
Se	ction A : Ge	nera	l						
1.	☐ Exc ☐ Goo	ellent od r	dentify th		d medic	cal expert	ise/special	ist wa	s
2.	The ease of Exc	ellent od r			tion wa	as			
3.	Is the scree	n ove			mmano	buttons	and text bo	exes?	
4.	Are the fon	ts use	d viewab es	ele and at	t appro	priate siz	e?		
5.	Are the col	ours t	ised for the	he screer	appro No	priate?			
6.	If errors are	mad			ation, a	re the me	ssages help	oful?	
7.	Is MediX e	asy to □ Ye] No				

8.	. How		d you rate the us Very Useful Useful Moderate Not Useful	sefuln	ess of the	system?			
9.	Doy	ou th	nk MediX is a u Yes		system fo ☐ No	or the gene	ral populatio	n?	
10). Are		appy/satisfied wi Very happy/sa Happy/Satisfie Moderate Dissatisfied	tisfied	system?				
11	. Wha		ur overall impre Positive Neutral Negative	ssion	of the Me	ediX syster	m?		
_									
ti	on B :	Com	ments/Recomm	endat	ions				
	As yo	u see ary)	it, what are the	e prin	nary bene	al expertis	e/snecialist	can he ac	t immedie
	As yo necess	u see ary) Ir C C	it, what are th	e prin e desii ings (e tise)	nary bene ed medic e.g. no ne	cal expertised to trave	se/specialist of the self to other ho	can be go spitals/cl	t immedie
	As yo necess	u see ary) Ir C C	it, what are the	e prin e desii ings (e tise)	nary bene ed medic e.g. no ne	cal expertised to trave	se/specialist of the self to other ho	can be go spitals/cl	t immedie

3.	currently?	any	important	functions	that	the	system	should	provide	but	is	unavailable
		_										
		_										

Thank you for your participation!

APPENDIX C

SAMPLE SCREENS OF THE MEDIX SYSTEM

Sample Screens



Fig. C.1: Introductory Screen

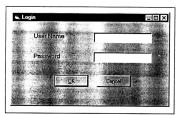


Fig. C.2: Login Screen for the Administration Section



Fig. C.3: Menu Screen for the Administration Section



Fig. C.4: Sub-Menu for the Record Module

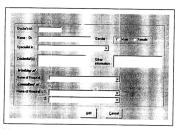


Fig. C.5 : Add Particulars of Medical Expertise Screen

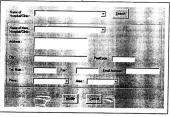


Fig. C.6: Modify Particulars of Medical Centre Screen

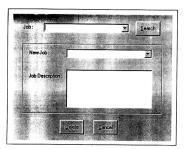


Fig. C.7: Delete Particulars of Specialty Screen



Fig. C.8 : Sub-Menu for the Reports Module

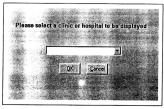


Fig. C.9: List Specialists By Medical Centre Screen



Fig. C.10: Sub-Menu for the Chart/Graph Module

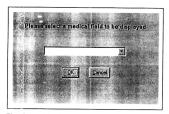


Fig. C.11: List Specialists By Gender in A Specific Specialty Screen



Fig. C.12: Sub-Menu for the Chart/Graph Module



Fig. C.13: Sub-Menu for the User Module

Add New User	Delete User
Take to the grade	
New User ID:	
Password:	
6 2 2 2 2	d 18 1 - 2 la
Add	Cancel

Fig. C.14: Add New or Delete Existing User Screen

User Name	2014
New Password	\$3.00
Retype New Password :	
OK	Cancel
The state of the s	- 100 S

Fig. C.15: Change Password Screen



Fig. C.16: Sub-Menu for the Help Module

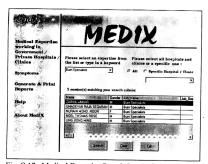


Fig. C.17: Medical Expertise Search Screen for the User Section

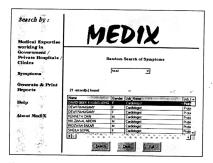


Fig. C.18: Symptom Search Screen for the User Section

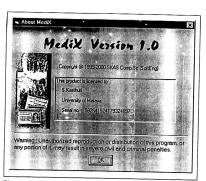


Fig. C.19: About MediX Screen

APPENDIX D

SAMPLE REPORTS

LIST OF MEDICAL EXPERTISE IN A SPECIFIC SPECIALTY AT VARIOUS HOSPITALS/CLINICS

Anaesthetisologist

Assunta Hospital

A. DAMODARAN

D.A. FMM, FRCA, FANZCA

Gleneagles Intan Medical Centre

NAZRI BHUPALAN

MBBS(LON), FFARCSI (DUBLIN)

SITI AISHAH SAIDIN

MURALEETHARAN MADHAVAN

<u>Ipoh Hospital</u>

KAVITA M. BHOJWANI MOHD, MARTADZA

KAMAL D. MANECKSHA

Normah Medical Specialist Centre

YEE CHEE SENG

SATHINDREN

KYIN WIN

Pantai Medical Centre

JOSEPH A. MANAVALAN

A. DAMODARAN

DA. FMM, FRCA, FANZCA

DA(UK), FFARCS (IRE), AM (MAL)

MOHAMED NAMAZIE B. IBRAHIM MBBS, FRCA, FAMM

NAZRI BHUPALAN

MBBS(LON), FFARCSI (DUBLIN)

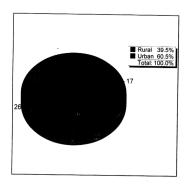
SAYWAN LIM SYLVIAN DAS FAMM, MBBS, FRCA, FFARCS(I), FANZCA, FRCPS(G), FRACP(HON), FA

MBBS, FFARACS, FANZCA, FAMM, FIAMS

Tengku Ampuan Rahimah Hospital

NIRUMAL KUMAR

Ratio of General Surgeon / General Practitioners at Urban & Rural Areas



Ratio of
Ophthalmologist
at
Government & Private
Hospitals & Clinics

