Appendix A

EVALUATION INSTRUMENT

Technological University of the Philippines College of Science Mathematics Department

Name (Optional):	St	tude	nt [
Professi	ional					
Instruc	tion: Please check the appropriate colum	n that corresponds to your evalu	ation	ı in t	he	
	using the scale below	if that corresponds to your evalu	auoi	Ι 111 ι	110	
system (Numerical Rating	Qualitative Interpret	atio	n		
	4	Highly Acceptable				
	3	Very Acceptable				
	2	Acceptable				
	1	Not Acceptable				
	DESIGN CRITER	IA	4	3	2	1
A. FU	NCTIONALITY					
1.	Functional completeness. Degree to w					
	covers all the specified tasks and user o	·				
2.	\mathcal{E}	1				
	provides the correct results with the nee	eded degree of precision.				
3.	Functional appropriateness. Degree to					
	facilitate the accomplishment of specifi	ed tasks and objectives.				
B. PEI	RFORMANCE EFFICIENCY					
1.	Time behaviour. Degree to which the					
	and throughput rates of a product or sys	stem, when performing its				
	functions, meet requirements.					
2.	\mathcal{E}	• •				
	resources used by a product or system,	when performing its				
	functions, meet requirements	11 1 0			 	
3.	1 3 8	m limits of a product or				
G G0	system parameter meet requirements.					
	MPATIBILITY					
1.	Co-existence. Degree to which a produ					
	functions efficiently while sharing a con					
	resources with other products, without other product.	detrimental impact on any				
2	Interoperability. Degree to which two	or more systems, products or				
2.	components can exchange information					
	has been exchanged.	and use the information that				
D. US	ABILITY					
1.	Appropriateness recognizability. Deg	ree to which users can				
<u></u>	recognize whether a product or system					

2.	Learnability. Degree to which a product or system can be used by		
	specified users to achieve specified goals of learning to use the		
	product or system with effectiveness, efficiency, freedom from risk		
	and satisfaction in a specified context of use.		
3.	Operability. Degree to which a product or system has attributes that		
	make it easy to operate and control.		
4.			
	against making errors.		
5.	User interface aesthetics. Degree to which a user interface enables		
	pleasing and satisfying interaction for the user.		
6.	Accessibility. Degree to which a product or system can be used by		
	people with the widest range of characteristics and capabilities to		
	achieve a specified goal in a specified context of use.		
E. REI	LIABILITY		
	Maturity. Degree to which a system, product or components meets		
1.			
	needs for reliability under normal operation.		
2.	Availability. Degree to which a system, product or component is		
	operational and accessible when required for use.		
3.	<i>J</i> /1		
	operates as intended despite the presence of hardware or software		
	faults.		
1	Recoverability. Degree to which, in the event of an interruption or a		
–	failure, a product or system can recover the data directly affected and		
	<u> </u>		
E CEC	re-establish the desired state of the system.		
	CURITY		
1.			
	data are accessible only to those authorized to have access.		
2.	Integrity. Degree to which a system, product or component prevents		
	unauthorized access to, or modification of, computer programs or		
	data.		
3	Non-repudiation. degree to which actions or events can be proven to		
] 5.	have taken place, so that the events or actions cannot be repudiated		
	*		
	later.		
4.	Accountability. Degree to which the actions of an entity can be		
	traced uniquely to the entity.		
5.	Authenticity. Degree to which the identity of a subject or resource		
	can be proved to be the one claimed.		
G. MA	INTAINABILITY		
1.	Modularity. Degree to which a system or computer program is		
	composed of discrete components such that a change to one		
	component has minimal impact on other components.		
2.	Reusability. Degree to which an asset can be used in more than one		
۷.	•		
	system, or in building other assets		
3.	Analysability. Degree of effectiveness and efficiency with which it is		
	possible to assess the impact on a product or system of an intended		
	change to one or more of its parts, or to diagnose a product for		
	deficiencies or causes of failures, or to identify parts to be modified.		
	, , , , , , , , , , , , , , , , , , , ,		

4.	Modifiability. Degree to which a product or system can be effectively and efficiently modified without introducing defects or degrading existing product quality.		
5.	Testability. Degree of effectiveness and efficiency with which test criteria can be established for a system, product or component and tests can be performed to determine whether those criteria have been met.		
H. PO	RTABILITY		
1.	Adaptability. Degree to which a product or system can effectively and efficiently be adapted for different or evolving hardware, software or other operational or usage environments.		
2.	Installability. Degree of effectiveness and efficiency with which a product or system can be successfully installed and/or uninstalled in a specified environment.		
3.	Replaceability. Degree to which a product can replace another specified software product for the same purpose in the same environment.		

Comments and Suggestions:		

Appendix B

SAMPLE OF ANSWERED EVALUATION SHEET

Name (Optional): Samuel Barrelon Jr.	Student				
nstruc	tion: Please check the appropriate column that corresponds t	o your evaluation in	the s	ystom	4.000	-6
he scal	e below Numerical Rating Qua	litative Interpretat	ion			
	4	Highly Acceptable				
	3	Very Acceptable				
	2	Acceptable				
	1	Not Acceptable	4	3	2	1
	DESIGN CRITERIA		-			
A. FU	NCTIONALITY Describing the set of fine	tions covers all				
	Functional completeness. Degree to which the set of func the specified tasks and user objectives.		-	4	-	-
	Functional correctness. Degree to which a product or system correct results with the needed degree of precision.				-	-
	Functional appropriateness. Degree to which the function accomplishment of specified tasks and objectives.	ns racintate the				
B. PE	RFORMANCE EFFICIENCY	saina times and				
1.	Time behaviour. Degree to which the response and proce throughput rates of a product or system, when performing	its functions,	1			
-	meet requirements. Resource utilization. Degree to which the amounts and to	mes of resources				
2.	used by a product or system, when performing its function requirements	is, meet		1		
3.	Capacity. Degree to which the maximum limits of a prod parameter meet requirements.	uct or system	1			
c co	MPATIBILITY					
1.	Co-existence. Degree to which a product can perform its	required functions				
	efficiently while sharing a common environment and reso products, without detrimental impact on any other product	urces with other		/		
2.	Interoperability. Degree to which two or more systems, components can exchange information and use the inform exchanged.	products or	/			
	ABILITY					
1.	Appropriateness recognizability. Degree to which user whether a product or system is appropriate for their need		1			
2.	Learnability. Degree to which a product or system can busers to achieve specified goals of learning to use the pro-	e used by specified				
	with effectiveness, efficiency, freedom from risk and sati specified context of use.			1		
3.	Operability. Degree to which a product or system has at easy to operate and control.	tributes that make i	t	1		
4.	User error protection. Degree to which a system protect making errors.	ts users against		1		
5.	User interface aesthetics. Degree to which a user interfact and satisfying interaction for the user.	ace enables pleasing	g		1	
6.	Accessibility. Degree to which a product or system can with the widest range of characteristics and capabilities	be used by people to achieve a	1	/		
	specified goal in a specified context of use.					

E. RE	LIABILITY		
1.	Maturity. Degree to which a system, product or components meets needs for reliability under normal operation.	1	
	Availability. Degree to which a system, product or component is operational and accessible when required for use.	1	
	Fault tolerance. Degree to which a system, product or component operates as intended despite the presence of hardware or software faults.		
4.	Recoverability. Degree to which, in the event of an interruption or a failure, a product or system can recover the data directly affected and re-establish the desired state of the system.		
F. SE	CURITY		
	Confidentiality. Degree to which a product or system ensures that data are accessible only to those authorized to have access.		/
	Integrity. Degree to which a system, product or component prevents unauthorized access to, or modification of, computer programs or data.		1
	Non-repudiation, degree to which actions or events can be proven to have taken place, so that the events or actions cannot be repudiated later.	/	
	Accountability. Degree to which the actions of an entity can be traced uniquely to the entity.		/
5.	Authenticity. Degree to which the identity of a subject or resource can be proved to be the one claimed.		
G. MA	AINTAINABILITY		
1.	Modularity. Degree to which a system or computer program is composed of discrete components such that a change to one component has minimal		
2.	impact on other components. Reusability. Degree to which an asset can be used in more than one system,	1	
3.	or in building other assets Analysability. Degree of effectiveness and efficiency with which it is possible to assess the impact on a product or system of an intended change	1	
	to one or more of its parts, or to diagnose a product for deficiencies or causes of failures, or to identify parts to be modified.	1	
4.	Modifiability. Degree to which a product or system can be effectively and efficiently modified without introducing defects or degrading existing product quality.	1	
5.	Testability. Degree of effectiveness and efficiency with which test criteria can be established for a system, product or component and tests can be performed to determine whether those criteria have been met.	1	
H. PO	RTABILITY		
1.	Adaptability. Degree to which a product or system can effectively and efficiently be adapted for different or evolving hardware, software or other operational or usage environments.		1
2.	Installability. Degree of effectiveness and efficiency with which a product or system can be successfully installed and/or uninstalled in a specified environment.		
3.	Replaceability. Degree to which a product can replace another specified software product for the same purpose in the same environment.	-	
ommei	nts and Suggestions:		

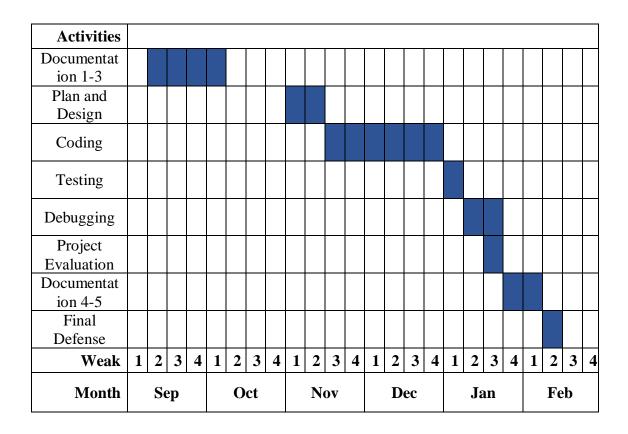
Appendix C
SUMMARY OF RESPONDENTS' EVALUATION

Criteria	4	3	2	1				
Functionality								
Completeness	33	17	0	0				
Correctness	35	15	0	0				
Appropriateness	35	15	0	0				
Performance Efficiency								
Time behaviour	31	19	0	0				
Resource utilization	37	13	0	0				
Capacity	31	19	0	0				
Compatibility			,					
Co-existence	29	21	0	0				
Interoperability	35	15	0	0				
Usability								
Appropriateness	34	16	0	0				
Learnability	31	19	0	0				
Operability	34	15	1	0				
User Error Protection	29	21	0	0				
User Interface Aesthetics	33	16	1	0				
Accessibility	30	20	0	0				
Reliability			1					
Maturity	32	18	0	0				
Availability	35	15	0	0				
Fault tolerance	29	21	0	0				
Recoverability	37	13	0	0				
Security		T	T	,				
Confidentiality	29	21	0	0				
Integrity	36	14	0	0				
Non-repudiation	31	19	0	0				
Accountability	38	12	0	0				

Authenticity	39	11	0	0			
Maintainability							
Modularity	35	15	0	0			
Reusability	36	14	0	0			
Analyzability	34	16	0	0			
Modifiability	40	10	0	0			
Testability	37	13	0	0			
Portability							
Adaptability	34	15	1	0			
Installability	36	13	1	0			
Replaceability	30	19	1	0			

Appendix D

GANTT CHART



Appendix E

USER'S MANUAL

WEBSITE

A. Sign up

- a. Click the Sign up button on the homepage
- b. Fill up the required fields on the form then click Register

B. Sign in

- a. Click the Sign in button on the homepage
- b. Enter your username and password then click on the Sign in button

C. Logout

a. Click the Logout button on the header

Company

A. Add transaction type

- a. Choose Transaction on the sidebar menu
- b. Click the Add button below the table

B. Add transaction account

- a. Choose Account on the sidebar menu
- b. Click the Add button below the table
- c. Fill up the required fields on the form then click Add

C. View Mobile Users

a. Choose Mobile Users on the sidebar menu

D. Account Setting

- a. Choose Setting on the sidebar menu
- b. Click the Edit Account button
- c. Click Save

E. Change Password

- a. Choose Setting on the sidebar menu
- b. Click the Change Password button
- c. Enter your current password and your new password
- d. Click Save

Window

A. Start Transaction

- a. Hover on the big orange box
- b. Scan QR Code using QR Scanner
- c. Click Done button after transaction

B. View Mobile Users

a. Choose Mobile Users on the sidebar menu

C. Notify User

- a. Choose Mobile Users on the sidebar menu
- b. Click Notify

D. Expire Transaction

- a. Choose Mobile Users on the sidebar menu
- b. Click Expire Transaction

E. Close/Open Transaction

a. Choose Mobile Users on the sidebar menu

b. Click Close Transaction to close or Open Transaction to open

ANDROID APPLICATION

Customer

A. Sign in

- a. Enter your username and password
- b. Click Log in button

B. Sign up

- a. Click Register Now button on the Login page
- b. Fill up the required fields on the form
- c. Click Register button

C. Account Setting

- a. Click the menu bar on the right top of the application
- b. Click Settings
- c. Click Edit Info
- d. Click Save

D. Change Password

- a. Click the menu bar on the top right of the application
- b. Click Settings
- c. Click Edit Password
- d. Enter your current password and new password
- e. Click Save

E. Make transaction

- a. On your profile page, click the Make Transaction button
- b. Choose company from the list
- Choose transaction from the list
- d. Choose time from the list
- e. Click Confirm

F. Manage transaction

- a. On your profile page, click the Make Transaction button
- b. Click Pending Transaction to see pending transactions
- c. Click Past Transactions to see past transactions

G. View QR Code

- a. On your profile page, click the Make Transaction button
- b. Click Pending Transaction to see pending transactions
- c. Click Past Transactions to see past transactions
- d. Choose from the list of your transactions

H. Cancel Transaction

- a. On your profile page, click the Make Transaction button
- b. Click Pending Transaction to see pending transactions
- c. Click Past Transactions to see past transactions
- d. Choose from the list of your transactions
- e. Click Cancel Transaction

I. Logout

- a. Click the menu bar on the right top of the application
- b. Click Log Out