

A SHORT PRESENTATION ON HUMAN COMPUTER INTERACTION

ABOUT OUR SYSTEM IN UTM AND HOW WE MAKE IT

BETTER

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Assalamu Alaikum
And
Good Morning

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FIND ANY 2 EXAMPLES OF USER INTERFACE
DESIGN/HCI SURROUNDING UTM
CAMPUS.



1. TICKET QUEUING SYSTEM IN ACADEMIC OFFICE.

EVERY STUDENT STUDYING IN A INSTITUTION HAS TO DEAL WITH THE ACADEMIC OFFICE FOR VARIOUS PURPOSES. WELL THE ACADEMIC OFFICES OF SCHOOL OF COMPUTING CAN BE REALLY HAZARDOUS FOR MANY STUDENTS. IT IS ALWAYS PACKED WITH UNDERGRAD AND POSTGRAD STUDENTS AND SOME STUDENTS HAVE NO TIME TO WAIT IN THE LONG QUEUE LIKE THE OTHERS, SO THEY CUT IN LINE.

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THE ISSUE

THERE IS ALWAYS ONLY ONE PERSON PRESENT IN THE OFFICE OF OUR ACADEMIC OFFICE WHICH I DOUBT IS ENOUGH.



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HERE IS A PICTURE OF STUDENTS WAITING FOR THEIR TURN.



HOW TO MAKE IT BETTER

SOLUTION IS TO GET A TICKET QUEUING SYSTEM AND HAVE IT OUTSIDE BY THE DOOR BEFORE THE STUDENTS GO INSIDE ACADEMIC OFFICE, IN THAT WAY EVERY STUDENT WILL HAVE TO WAIT THEIR TURN AND NO SERVICE WILL BE GIVEN BEFORE A STUDENT'S TICKET IS CALLED.





HOW AUTOMATED QUEUING SYSTEM WORKS.



GUIMBA WATER DISTRICT Queuing System

STEP 1
GET A NUMBER



STEP 3
CALL QUE NUMBER

Payment

CALL NEXT

1

STEP 2
VIEW QUE



Payment

CALL NEXT

2

WE ALREADY HAVE THIS SYSTEM IN UTM. FOR EXAMPLE PEJABAT BENDAHARI, INTERNATIONAL STUDENTS CENTRE AND PUSAT KESIHATAN UNIVERSITI.



2. DIGITALIZING KOLEJ DATABASE SYSTEM



THE KOLEJ DATABASE SYSTEM IS STILL MANUAL SYSTEM WITH FORMS , WE HAVE NO CHANCE TO CHECK TWICE IF THE FORM IS LOST AND YOU HAVE TO PAY FINE TO GET IT BACK, AND ALSO DURING CHECK IN THE ROOMS BY THE STAFF YOU NEED TO SHOW IT TO THEM WHETHER YOU PUT IT NEAR YOUR HAND OR NOT. IF THEY DON'T SEE IT , YOU SURELY GET FINE FOR YOUR ROOM APPLIANCES.

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THE ISSUE

WE HAVE TO PAY FINE FOR THE APPLIANCES IF THE FORM IS LOST. ALSO WAIT FOR WEEKS FOR THEM TO SEND THE TECHNICIAN IF ANYTHING IS BROKEN DOWN.



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A. LIST OF PERMITTED ITEMS

BIL	ITEMS	USAGE SUGGESTIONS	RATE	QUANTITY
1	IRON	You are advised to iron your clothes as much as possible at a time according to your convenience. The power used per usage equals to powering 24 bulbs of 100 watts.	RM10/semester	
2	ELECTRIC KETTLE	Only boil water when needed and adequately. Do not leave your room when boiling water to avoid reboiling the water.	RM10/semester	
3	PACKAGE	Saving electricity is saving your money. Hence, we need to be smart in using electricity to ensure money is spent wisely.	RM15/semester	
4	TOASTER	Use toaster and not oven toaster to make toasts. Toaster uses lesser electricity and a cheaper alternative.	RM10/semester	
5	HAIR DRYER	Drying your hair naturally, in the sun or while you sleep saves 1500 watts of electricity.	RM5/semester	
6	RADIO	Radios are almost irrelevant now with its function replaced by other gadgets such as smartphones, computers, laptops and others.	RM5/semester	
7	CELLPHONE CHARGER	Please ensure that cellphone chargers are not switched on when not in use. It is estimated that if 1000 chargers are switched on when not in use, it could power 10 rooms!	FREE	✓
8	COMPUTER / LAPTOP	Laptop uses 50% less electricity than computers. The use of flat screen monitors are more electricity savvy than conventional computer monitors.	FREE	✓



MOST OF THE STUDENTS DO NOT HAVE TIME TO GO TO THE MANAGEMENT OFFICE. STUDENTS USUALLY ATTEND CLASSES WHILE THE OFFICES ARE OPEN. SO THEY HAVE TO WAIT FOR THAT DAY IN THE WEEK WHERE THEY HAVE A LITTLE TIME TO SPARE TO GET THIS FORM.



STUDENTS HAVE TO PAY A HEALTHY AMOUNT OF MONEY FOR THE APPLIANCES HE/SHE ALREADY PAID FOR ONCE. THE FINE IS 25RM PER APPLIANCES, WHICH TOTALS UP TO 150 TO 200 PER PERSON.



DIGITALIZING THE SYSTEM CAN HELP MANY STUDENTS SAVE THEIR TIME AND STRENGTH. WE CAN INITIALIZE IT BY PUTTING A UNIQUE QR/BARCODE FOR EACH AND EVERY ROOM. THE CODE WILL NOT ONLY SHOW THE PERSON WHO IS STAYING THERE BUT ALSO GIVES THE INFORMATION ABOUT APPLIANCES THAT HE HAS REGISTERED. NO MORE WORRYING ABOUT LOSING THE FORM. MOREOVER WHEN A PERSON NEEDS THE INFORMATION, THEY CAN EASILY GET IT FROM THE SYSTEM. NO NEED TO GO THROUGH THE WHOLE PILE OF FILES.

THIS DIGITALIZATION CAN ALSO HELP STUDENTS COMPLAIN FOR THE THINGS THAT ARE NOT WORKING IN THE ROOM.

FOR EXAMPLE: MY TUBE LIGHT IS FUSED AND IT HAS BEEN WEEKS THAT HAVE BEEN LIVING IN THE DARK. 

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THIS IS HOW IT WILL LOOK IF
WE PUT A QR CODE ON THE
DOOR. NOT VERY GOOD
LOOKING BUT WILL SERVE
THE PURPOSE VERY WELL.

THANK YOU