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PROJECT TITLE: EXPRESS FRONT-END PRINTING SYSTEM

ABSTRACT

The Express front-end printing System is going to solve the long queue problem and hardware failure that exist in university printing shop. This kind of problem may wasting student's time, especially for those who wanted to print their assignment in urgent. Therefore, the system provide a platform for student to customize their own file before upload to the server side. Printing shop staff will download the file from server side and print it out. This is advantage for student's not need to waste time for waiting a long queue to print files, they only need to collect their file when receive the completed message. It is convenience for student and printing shop staff, because the overcrowded problem in the shop has been solved.

PROBLEM

Overcrowded in the shop

The problem with overcrowded in the shop can be very serious issue, because it affect the student to waste time on printing .Besides that, some of student that also not responsibility to done the home work at home. They try to editing or doing at the printing shop computer. So it will affect the student queue to waiting the student done the work. Furthermore, it will also affect the business of the shop keeper as the student will visit other shop when they not decided to wait.

Hardware failure

Hardware failure is one of the problem that facing by the printing shop, it is because the printing shop have provide few computer to let the student print the assignment. So computer may have to facing the hardware overload or overheat. For example, the computer storage maybe not enough space for student, because the student put the file to computer and not delete it. Besides that, the computer also will incursion by the virus, because the student pen drive have virus still plug in to printing shop computer. It may will slow down the performance of computer. So, the printing shop have to spend more money to format the computer or buy the new Hardware to upgrade storage and speed up the computer performance.

Virus spreading problem

One of the problem is virus spreading problem. Now can heard that, the student always complain about the printing shop computer have the Virus spreading problem when student plug in the pen drive to USB plug of computer. That reason why computer get virus because some of student that pen drive have virus and not clear up properly still plug in to computer so spreading the virus to printing shop computer.

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A solution has been proposing to overcome some problem that exist in printing shop. System will provide template for student to maintenance the file, so student no need to printing shop for print file. It is because if every student go to printing shop print file will make the overcrowded in shop.

Besides that, the system also can solve hardware failure. Student only need going to printing shop web-base to maintenance the file. So printing shop no need provide many computer for student and will not happen hardware overload and overheat.

The printing shop computer will not easily get virus. For example, the student pen drive have virus if plug in to computer will spreading the virus to computer. Student can upload the file to service Side at home, so it can minimum the pen drive get virus to computer.

TARGET MARKET

The Express front-end printing System target market is focusing on small company such as university school and secondary school, primary school. That have provide printing file, note, t-shirt logo and including sales stationary. Other printing shop are not limited on school that also have sales on business company such as that are Digital Printing, Signage & Advertising, Labels & Packaging, Post Press, Offset Printing, Inkjet Printing, Corporate Gift & Apparel and so on. (Printexpert.my, 2017)

COMPETITION/CONTRIBUTION

Compare category	Printing expert	E-print	My printer
Template provided	YES	YES	YES
Min quantity	100	200	200
Convenience to complete order	EASY	HARD	EASY

Based on the research with other company system, the author found the other system have provide template for student, so the student convenient using system not need to design. The Express front-end printing System should be meet other system standard, so it will not be outdated. (Myprinter.com.my 2017)

Compare to other system minimum quantity, Express front-end printing System will more convenience.it is because Express front-end printing System minimum quantity can be one paper or more than 1 and other system minimum quantity is 100 paper or 200 paper. (E-print.my 2017)

The author found the most convenient to complete order is company printing expert system compare to E-print system and My printer. That the reason is Printing expert system not required many input



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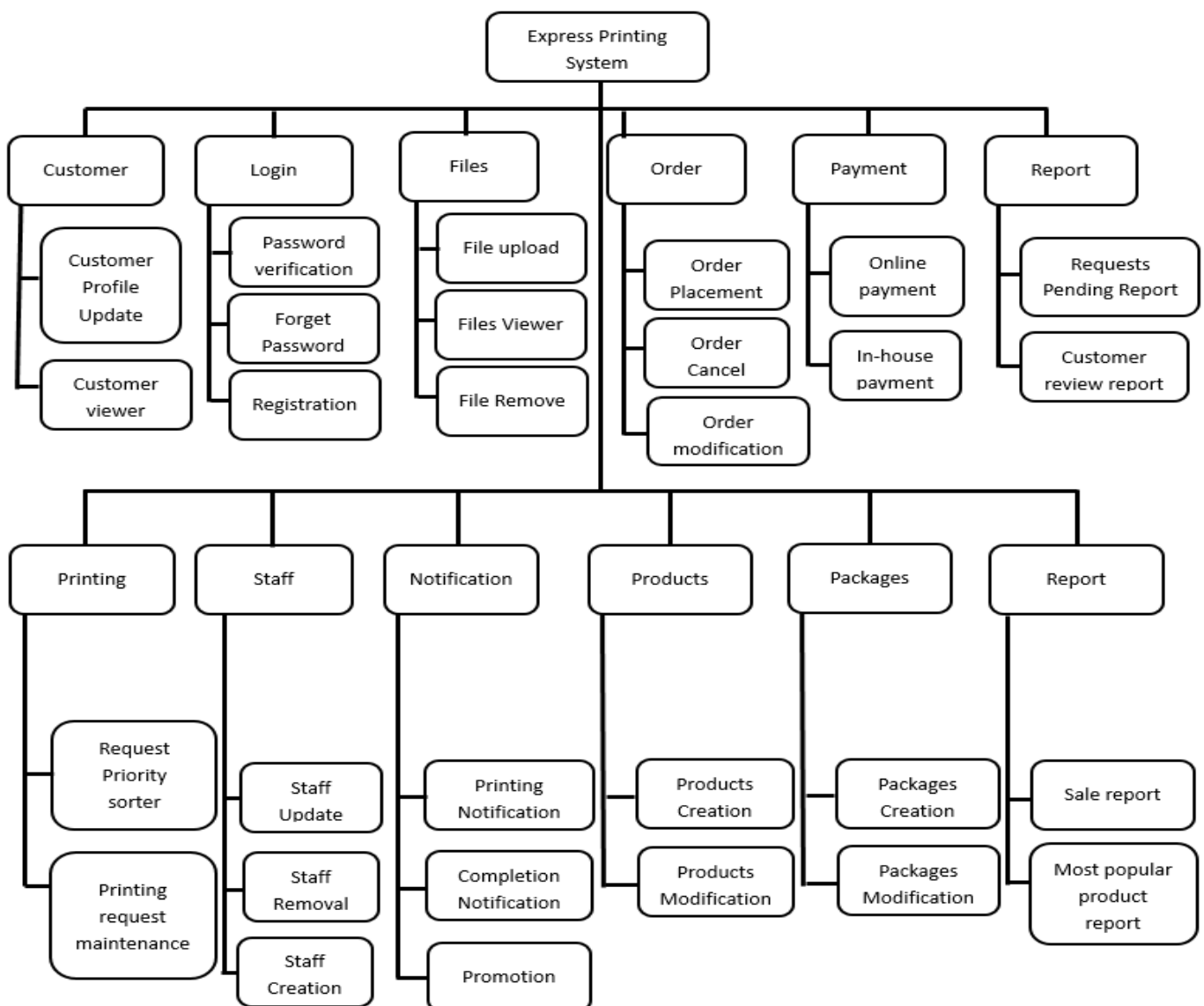
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compare to E-print system. Therefore Express front-end printing System should follow the other system standard to reduce unnecessary required input. (Printexpert.my 2017)

System scope



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The propose system have eight module, customer and staff is one of the module inside the system. The customer and staff module is using for staff and customer to register new account in system. The second module order is for customer to do file maintenance and order maintenance. The third module is payment, after finished the ordering it will going to make payment.

The module of printing is get printing request from a server side, staff will sort according request priority to print file. Staff can view the printing request including printing property file and printing style and update printing request. Notification module is when the customer make payment is done it will send notification to let customer know the printing is completed. The product and services is to maintain stationary products and services maintenance.

The author in-charge of Express front-end printing System have explain on following:

Login module

Login module is allowing student and staff login to system execute task. Login module will provide student and customer to sign up new account for those who don't have the account in the system. That also including forget password for those who forget the login password. customer need to key in the email, after system will send the verification number to customer email. customer just need to take the verification number from email and key in to verification text box, after system will show out message box for allow customer to reset the password.

Customer module

The customer and staff module is allow customer to maintenance own detail but staff can be maintenance own and customer detail as well. Such as customer can retrieve their account detail or update their information but not allow to delete own account but staff allow to delete customer and staff account.

Order module

Order module is allow the customer to make order for printing some file. First, the customer can do file maintenance and make order maintenance .when done all the editing file, customer will upload file to a service side then the staff will get the file from service side. The customer also can choose the date, time to collect the file but only come to collect during the operation hour.

Payment module

Payment module is execute the make payment process, it payment process include make by credit card or direct pay to the shop. System allow customer to pay the 50% or 100% deposit. Some extra charge will include the printing speed if the customer is urgent need to faster collect the file within 30 minutes, it will charge additional money. Besides that, if customer request for delivery, staff will helping delivery to the place the charge will depend how far the area.

File module

The file module is using for doing file maintenance. When the customer uploading the file. The customer can view the file. Besides that, if he was upload the file wrongly then can remove the file and upload again.



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Report module

Report module is to generate out the report, that will collect all of the data make it become a report. For example, it will generate out request pending report and customer review report. Customer and staff figure out the report on the menu bar. After go to report page, that can choose what type of report need for the user.

MILESTONES

Task Name	Duration	Start	Finish
Proposal Writing	15 days	Mon 03-04-17	Fri 21-04-17
Project Introduction	32 days	Thu 27-04-17	Fri 09-06-17
Research Background	16 days	Sat 10-06-17	Fri 30-06-17
Methodology and Requirements Analysis	10 days	Fri 14-07-17	Thu 27-07-17
System Design	11 days	Fri 28-07-17	Fri 11-08-17
System Development	47 days	Sat 12-08-17	Mon 16-10-17
System Preview	10 days	Mon 16-10-17	Fri 27-10-17
Final testing	10 days	Mon 30-10-17	Fri 10-11-17
Draft Thesis	21 days	Sat 11-11-17	Fri 08-12-17
Submit final thesis	11 days	Sat 09-12-17	Fri 22-12-17

REFERENCES

Printexpert.my 2017, Print Expert, viewed 14 Apr. 2017, <<http://www.printexpert.my/>>.

Myprinter.com.my 2017, One Stop Cheap Online Printing in Malaysia | Printing company | MyPrinter, viewed 14 Apr. 2017, <<http://myprinter.com.my/>>.

E-print.my 2017, e-print Solutions Sdn Bhd | Name Card Printing | Envelope printing | Letter head printing | Flyer & Leaflet printing | leaflet | One Side Poster printing | A4 Full Color Booklet | A5 Full Color Booklet | Long Brochure, viewed 14 April 2017, <<http://e-print.my/>>.