

PRINTSHOP

Print Management System



Introduction

- Mr. Naif Alhassoun (creator and owner of the project) Mr. Naif's company provides technical services for printshops.
- Mr. Gafar Bashir (Technical manager of project and main consultant). What are we trying to achieve? Mr. Naif wants to develop a software that allows his clients (print shops) to make the process of printing documents self-serviced using WhatsApp integration

Current Work Flow

- Our business is Store & Print/Copy Shop with 8 branches in different locations.
- The printshop in each branch consists of:
 - 2 to 6 copy stations (Computer PC)
 - 2 to 6 Employees (one for each computer station)
 - 2 Large Printers

Current Work Flow

- Clients walk in, ask to print a document (sheet, part of book, exams, tutorials, etc.)
- Customers use : WhatsApp (80-90) % Flash Memory 4% Email 4%
- Employee ask identify requirements: number of copies, copy range), colored or black and white, one- or two-sided pages.
- Employees generate invoice for client.
- Client walks to cashier pay and get the invoice.
- Employee ensures invoice and proceed.

Project Description

- To develop a cloud based (web application/Management System) to control and automate the process of printing A4 paper and payment from start to finish without any assistance from store employees.

General Specifications

- Multi Language (English LTR/Arabic RTL)
- Responsive, On All Devices Multi Branch,
- Multi WhatsApp Support

Admin Panel:

- User Management
 - Super admin(manage all branches, users & activity , Sales , App Setup , branches)
 - Branch admin (manage branch users, Branch sales, branch Documents)
 - User (setup printers, Price, Sales & Reports)
- Branches & Application,
- PC & Printers Setup
- WhatsApp Management and setup
- Pricing
- Papers (A4) Setup and control
- Invoice Management

User Interface:

- WhatsApp No for each user (location)
- Clients send file to WhatsApp NO, that is showed on touch screen
- WhatsApp Respond to client with Code
- Client enter code in any Station touch screen digital keypad
- Clients enter the code in any station.
- Station opens file to Confirm by Client
- Printing options: Colored or Black white, No of Copies, page range, one or two sided.
- System Generate Invoice and send to WhatsApp.
- Customer sees total amount due on screen.
- Customer review document before printing
- POS bank machine integration with system



Project Phases

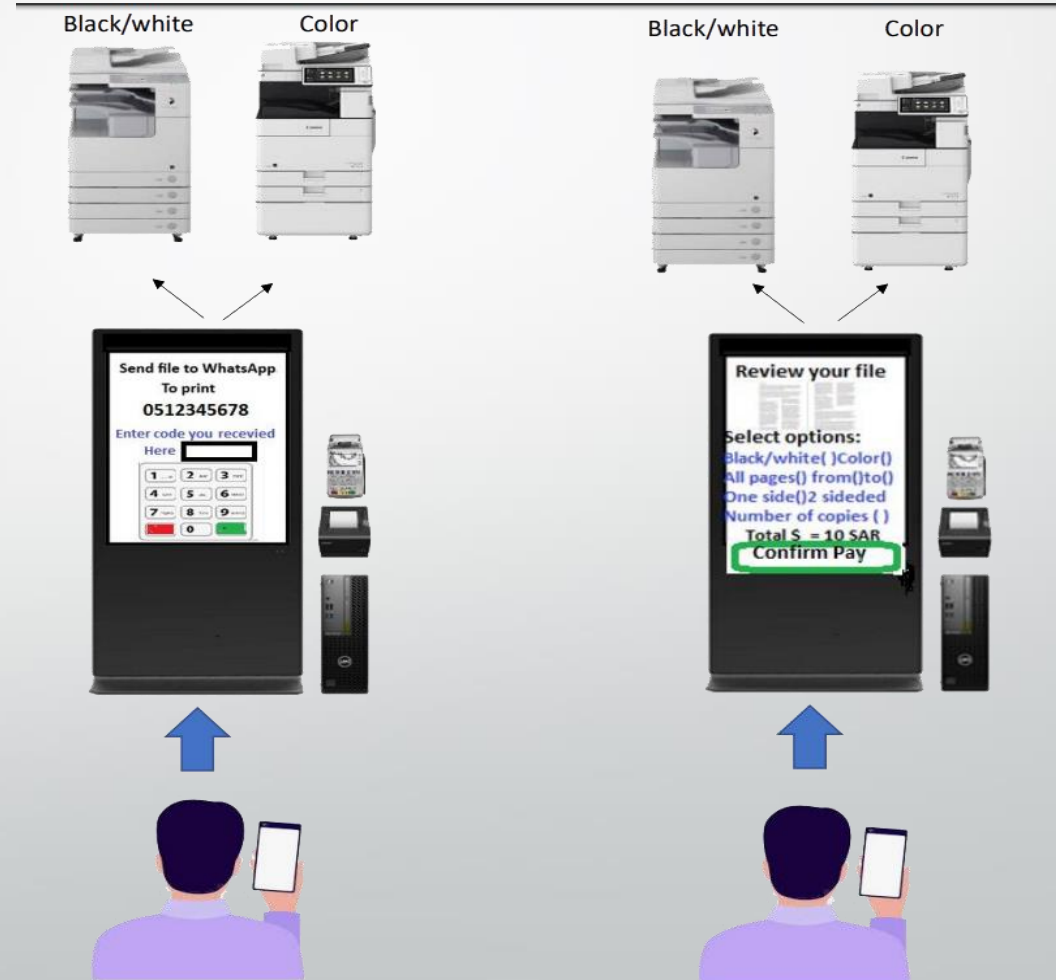
- User Interface & WhatsApp Integration
- Admin Panel to control System
- Integration with Bank POS

User Interface and & WhatsApp



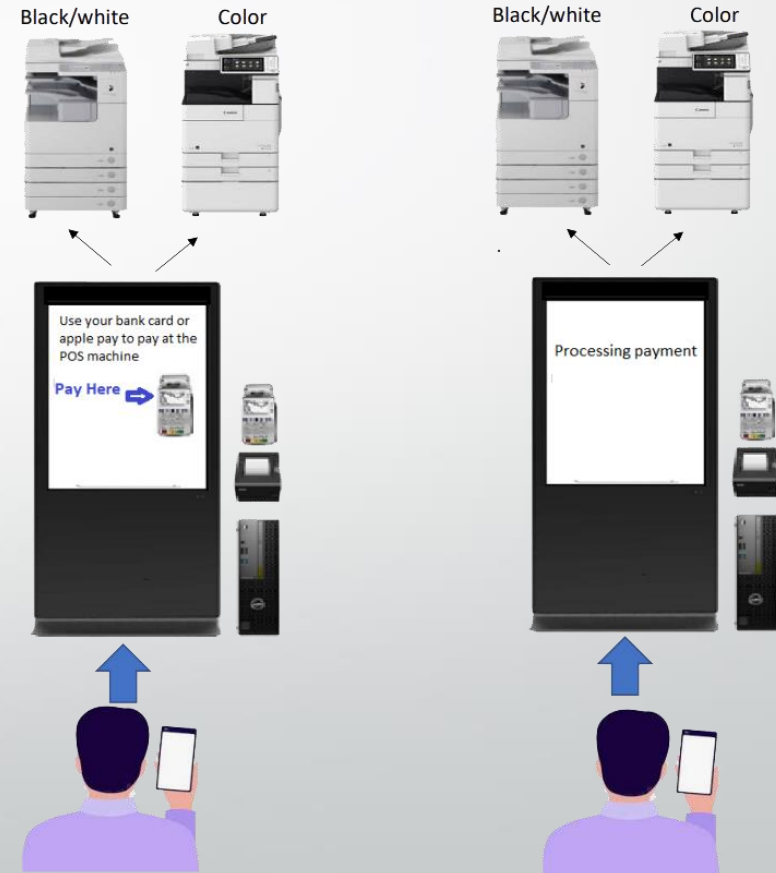
User Interface and & WhatsApp

- Screen 1: Customer send file to the WhatsApp # shown on touch screen
- Receives a code back to his WhatsApp
- Enters the code on the digital keypad on the screen
- Screen 2: Customer see and confirm uploaded file
- Select all options to print, default (full document, black and white, one side, one copy)
- Payable Amount will appear at bottom of the screen with confirm button



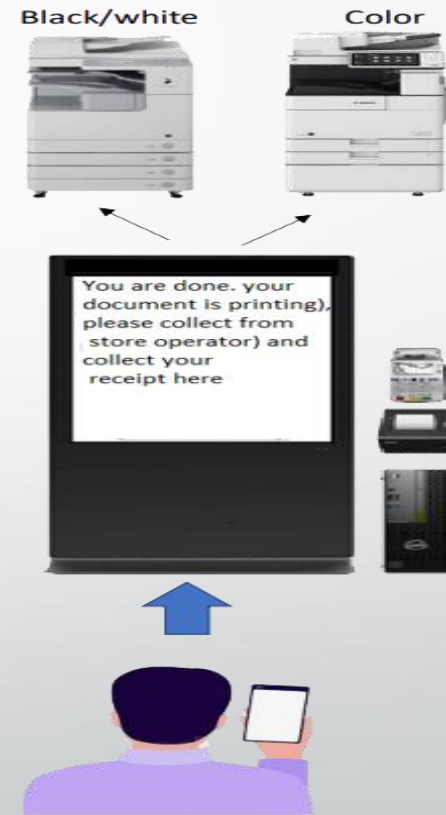
User Interface and & WhatsApp

- Screen3: After confirm payment, a new screen will appear that says (Use your bank card or apple pay to pay at the POS machine)
- Total amount will appear along with a photo of the pos machine
- Also, at the same time the total amount appears on the POS machine and the machine is ready to accept payment.
- Screen 4:
- After payment is completed, new screen says (Processing payment) please wait.



User Interface & WhatsApp

- Screen 5:
- New screen that says Payment Successful, please collect from store Employee and collect your receipt here.
- Invoice sent to Client WhatsApp

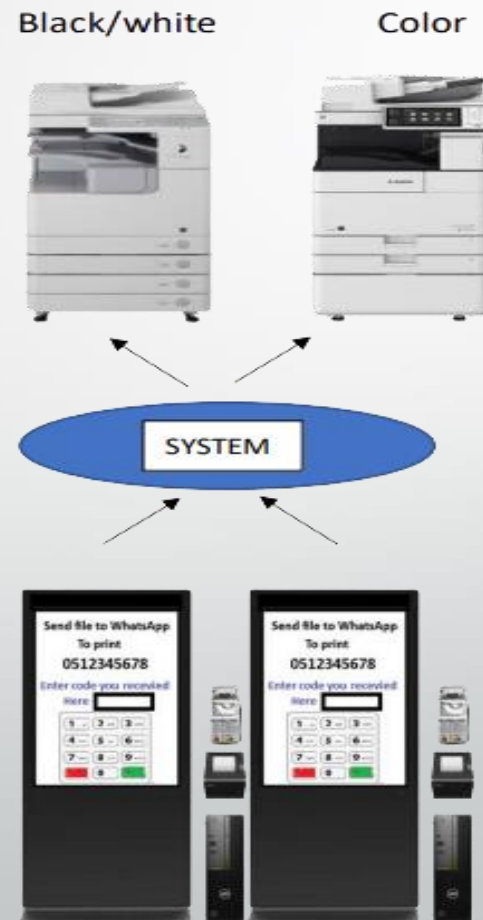


Multiple stations , same location.

Important:

Colored Or B& W White
Recognition and Selection

If balck and color one printer
Or B&C two printers



Bank POS machine Integration

- The system must be integrated with the pos machines.
- When the system receives a printing order for a certain print station, and after the system recognized that the printers associated with the print station are on and working properly (have enough A4 papers) then the system send the amount due to the pos machine. Once payment is successful , the pos machine tells the system the payment transaction result accordingly (whether successful or not). If successful, then system print customers papers and print a receipt

Requirements

- Required Project Plan & Schedule
- Daily Communications and Updates
- Project Documentation
- 3 Milestones
- NDA
- Recruiter Project
- All Development Coding must be original, Developed for this project
- Source code is Owned by the project owner, not allowed to be used or discloses to any other party