

PROJECT REPORT

CASHIER SYSTEM USING ANDROID CAMERA AS CODE READER



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**ENGINEERING CENTRE 3rd FLOOR, FACULTY OF ENGINEERING
UNIVERSITY OF INDONESIA**

PROJECT ON

CASHIER SYSTEM USING ANDROID CAM AS CODE READER

Developed By

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The logo for NIIT (National Institute of Information Technology) is displayed in a large, bold, blue, sans-serif font.

CASHIER SYSTEM USING ANDROID CAM AS CODE READER

Batch Code : 2NAP1

Start Date : May 16, 2018

End Date : May 28 , 2018

Name Of The Coordinator : Mrs. Indah Ayu Yuliani, S.T, M.M.

Name Of Developer : Aji Trinioferi { 4817050025 }

Cahya Mulyadi { 4817050069 }

Julius Danes N. { 4817050199 }

Date Of Submission : May 30 , 2018

The logo consists of the letters 'NIIT' in a bold, blue, sans-serif font. The letters are closely spaced and have a slightly stylized appearance with thick strokes.



CERTIFICATE

This is to certify that this report, titled “Cashier System Using Android Camera As Code Reader”, embodies the original work done by Aji Trinioferi, Cahya Mulyadi, and Julius Danes Nugroho. In partial fulfillment of his/her course requirement at NIIT.

Coordinator :

Mrs. Indah Ayu Yuliani, S.T, M.M.

ACKNOWLEDGEMENT

Praise and huge thanks to Allah SWT. for giving us blessings, health, ability to be able to finish this Project with the title “Cashier System Using Android Camera As Code Reader”, without any of it we won’t be able to complete it right on time. Despite many hurdles and obstacles that we experienced in the course of the work, but we managed to finish it properly.

We have benefited a lot from the feedback and suggestions given to us by Mrs. Indah Ayu Yuliani, S.T, M.M.

System Analysis

System Summary :

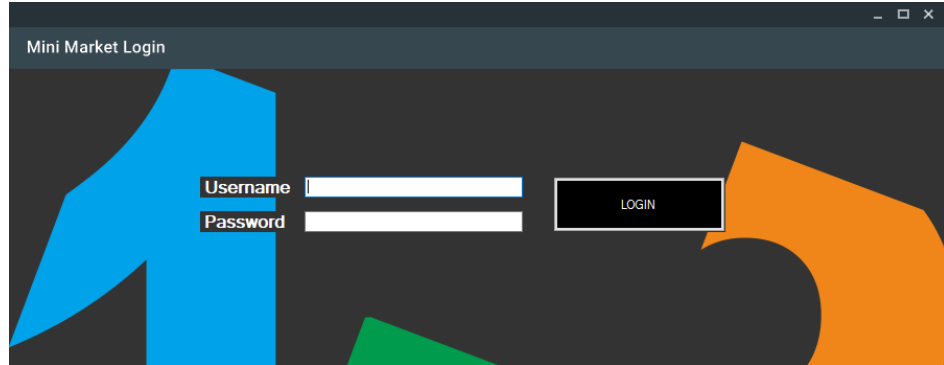
This Project, Our team make Cashier System Using Android Camera As Code Reader application for mini market. Our team using Android Camera as QR Code Reader that used on Product ID. This Application have many menu, which is Product menu, Employee menu, Transaction menu and, Etc.

Menu in The Application :

- Master Main Display (For Login as Admin or User Cashier)
 - Master Admin Display
 - Update Employee Data
 - Add Employee Data
 - Remove Employee Data
 - View Employee Data
 - Add Product Data
 - Update & Remove Product Data
 - Search Product Data
 - Master Menu Cashier Display
 - Main
 - Payment
 - Trans Data

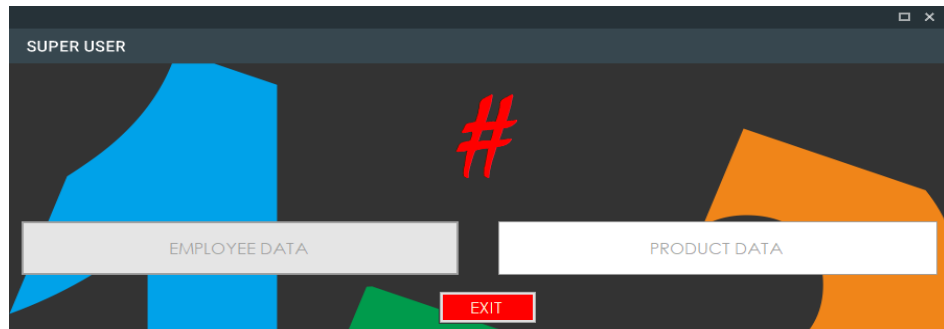
INTERFACE DESIGN FOR CASHIER

1. Mini Market Login



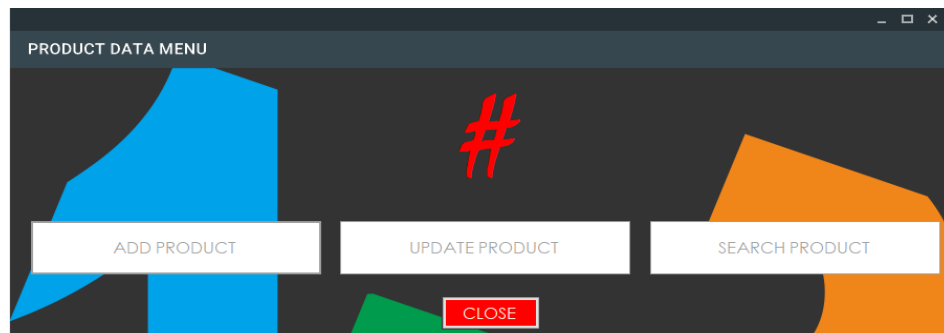
The Mini Market Login interface is displayed within a window titled "Mini Market Login". It features a dark background with abstract blue, orange, and green shapes. The login form consists of two input fields: "Username" and "Password", both with white text and white borders. To the right of these fields is a black "LOGIN" button with white text. A large red hash symbol (#) is positioned in the background of the login window.

2. Master Admin Menu



The Master Admin Menu interface is displayed within a window titled "SUPER USER". It features a dark background with abstract blue, orange, and green shapes. The menu contains three main options: "EMPLOYEE DATA" (a grey button), "PRODUCT DATA" (a white button), and "EXIT" (a red button). A large red hash symbol (#) is positioned in the background of the menu window.

3. Product Data Menu



The Product Data Menu interface is displayed within a window titled "PRODUCT DATA MENU". It features a dark background with abstract blue, orange, and green shapes. The menu contains three main options: "ADD PRODUCT" (a white button), "UPDATE PRODUCT" (a white button), and "SEARCH PRODUCT" (a white button). A "CLOSE" button (a red button) is located at the bottom center. A large red hash symbol (#) is positioned in the background of the menu window.

INTERFACE DESIGN FOR CASHIER

4. Add Product Menu

Product ID	Name	Stock	Price
4817050020	Pepsodent White...	397	12000
4817050021	Zinc Active Cool ...	400	22000
4817050022	Fresh Go 30gr	500	12000
4817050023	One Push Vape ...	10	10000
4817050024	Lifebouy Mild Car...	95	5000
4817050025	Rexona Motion S...	50	12500
4817050026	Micro Fiber 10gr	500	30000
4817050027	Paseo Tissue 10gr	98	5000
4817050028	Tropicana Slim Cl...	100	5500

5. Update Product Menu

Product ID	Name	Stock	Price
4817050020	Pepsodent White...	397	12000
4817050021	Zinc Active Cool ...	400	22000
4817050022	Fresh Go 30gr	500	12000
4817050023	One Push Vape ...	10	10000
4817050024	Lifebouy Mild Car...	95	5000
4817050025	Rexona Motion S...	50	12500
4817050026	Micro Fiber 10gr	500	30000
4817050027	Paseo Tissue 10gr	98	5000
4817050028	Tropicana Slim Cl...	100	5500

6. Search Product Menu

Product ID	Name	Stock	Price
4817050023	One Push Vape ...	10	10000
4817050024	Lifebouy Mild Car...	95	5000
4817050025	Rexona Motion S...	50	12500
4817050027	Paseo Tissue 10gr	98	5000
4817050028	Tropicana Slim Cl...	100	5000
4817050029	BIC 2 Blades isi 4	90	50000

INTERFACE DESIGN FOR CASHIER

7. Master Employee (Add, Update, Remove, Search)

Master Employee - Cashier Simulation

BIODATA ACCOUNT

Search

Employee ID

Full Name

position

Male

Place of Birth

Date of Birth

Address

Phone Number

NEXT STEP

8. Cashier Main Menu

Cashier

MAIN PAYMENT TRANS DATA

Login as Joyku
4/18/2018 10:27:26 PM

	ID	Name Product	Price	Qty	Total Price
Name Product	4817050025	Keju 100gr	120000	5	600000
1	4817050027	Gula Pasir 500gr	48700	2	97400

Stock Available

Price @Each

Total Price

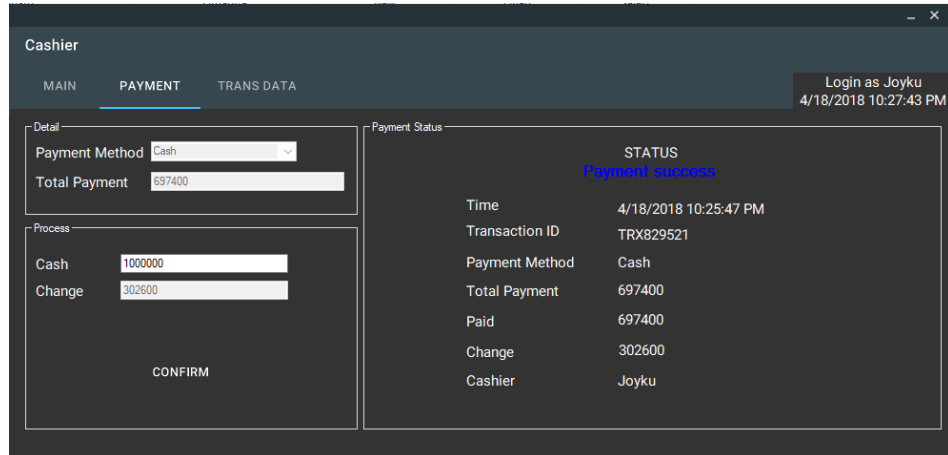
Payment Method

☒ Cash ☐ E-Money

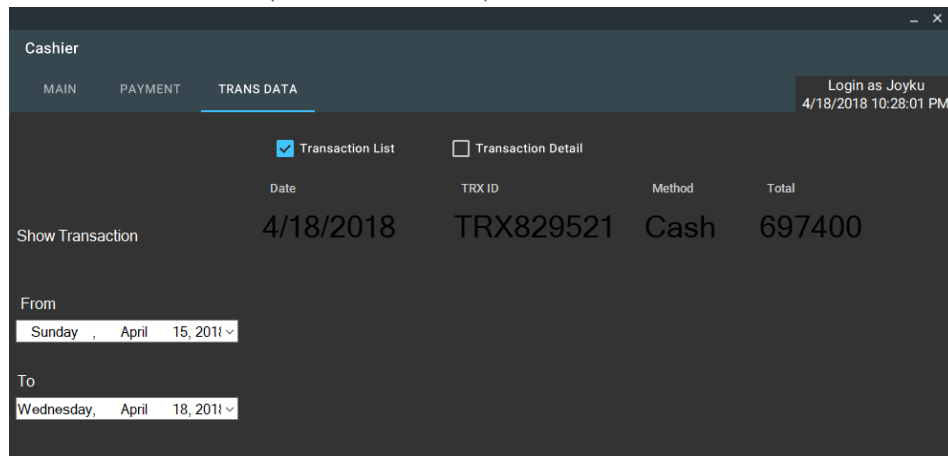
Total Price 697400

INTERFACE DESIGN FOR CASHIER

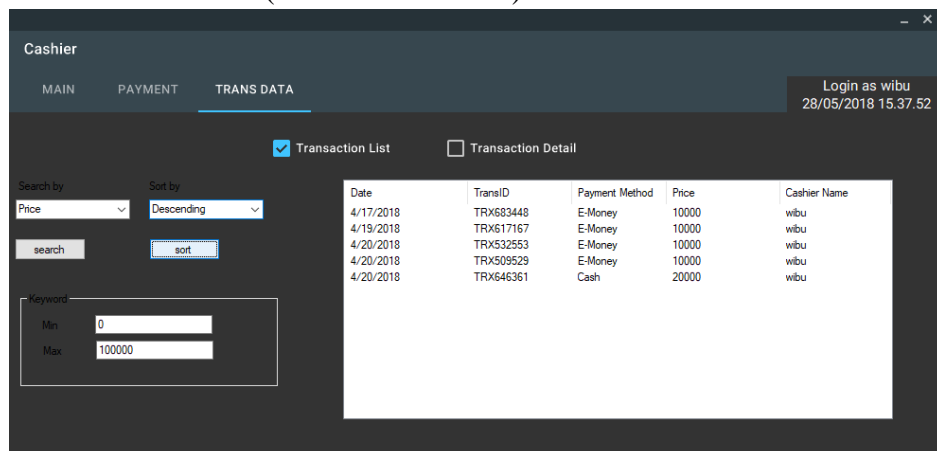
9. Cashier Payment Menu



10. Cashier Trans Data (Transaction List) Menu



11. Cashier Trans Data (Transaction Detail) Menu



Date	TransID	Payment Method	Price	Cashier Name
4/17/2018	TRX683448	E-Money	10000	wibu
4/19/2018	TRX617167	E-Money	10000	wibu
4/20/2018	TRX532553	E-Money	10000	wibu
4/20/2018	TRX509529	E-Money	10000	wibu
4/20/2018	TRX546361	Cash	20000	wibu

CONFIGURATION

Operating System :

Windows 10 Pro 64-bit (10.0, Build 16299) (16299.rs3_release.170928-1534)

Language :

Indonesian (Regional Setting: Indonesian / English (United State))

System Manufacturer:

Acer

System Model:

E5-475G 70XV

BIOS:

V1.18

Processor:

Intel(R) Core(TM) i7-7500U CPU @ 2.70GHz (4 CPUs), ~2.9GHz

Memory:

4096MB RAM DDR 4

Graphic:

Intel(R) HD Graphics 620

Software Microsoft :

Microsoft Visual Studio 2017 Professional

FORM OUTLINE

<i>Form Names</i>	<i>Description</i>
Main Form	This form for LogIn as User or Admin
Master Admin Display	This Form for Menu as Admin
Update Employee Data	This form for Update Employee Data
Add Employee Data	This form for Add Employee Data
Remove Employee Data	This form for Remove Employee Data
Add Product Data	This form for Add Product Data
Update & Remove Product Data	This form for Update Product Data
Search Product Data	This form for Search Product Data
Master Menu Cashier Display	This Form for Menu as Cashier
Main	This Form for Do Transaction
Payment	This Form for Do Final Payment and Show Invoice
Trans Data	This Form for show All Transaction / Cashier Employee