

PROJECT REPORT

CASHIER SYSTEM USING ANDROID CAMERA AS CODE READER



Name : Aji Trinioferi { 4817050025 }
Cahya Mulyadi { 4817050069 }
Julius Danes Nugroho { 4817050199 }
Faculty : Mr. Musawarman S.Kom

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

PROJECT ON

CASHIER SYSTEM USING ANDROID CAM AS CODE READER

Developed By

Name	: Aji Trinioferi	{ 4817050025 }
	Cahya Mulyadi	{ 4817050069 }
	Julius Danes Nugroho	{ 4817050199 }

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 : April 2, 2018

End Date : April 20 , 2018

Name Of The Coordinator : Mr. Musawarman, S.Kom

Name Of Developer : Aji Trinioferi { 4817050025 }

Cahya Mulyadi { 4817050069 }

Julius Danes N. { 4817050199 }

Date Of Submission : April 20, 2018

The logo consists of the letters 'NIIT' in a bold, blue, sans-serif font. The letters are closely spaced and have a slight shadow effect.



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 :

Mr. Musawarman, S.Kom

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 Mr. Musawarman, S.Kom.

System Analysis

System Summary :

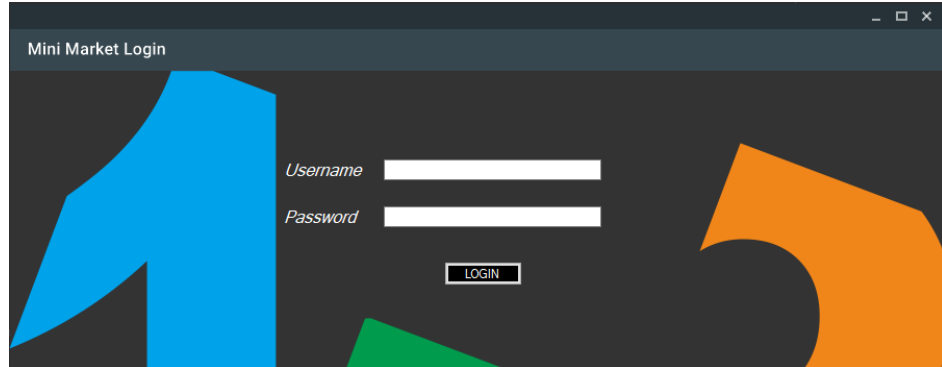
This Project, Our team make Cashier System Using Android Camera As Code Reader application for mini market. Our team using Android Camera as QR Code Reader that used on Product ID. This Application have many menu, which is Product menu, Employee menu, Transaction menu and Report menu, Etc.

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
 - Add Product Data
 - Update & Remove Product Data
 - Search Product Data
 - Report Data
 - Master Menu Cashier Display
 - Main
 - Payment
 - Trans Data

INTERFACE DESIGN FOR CASHIER

1. Mini Market Login



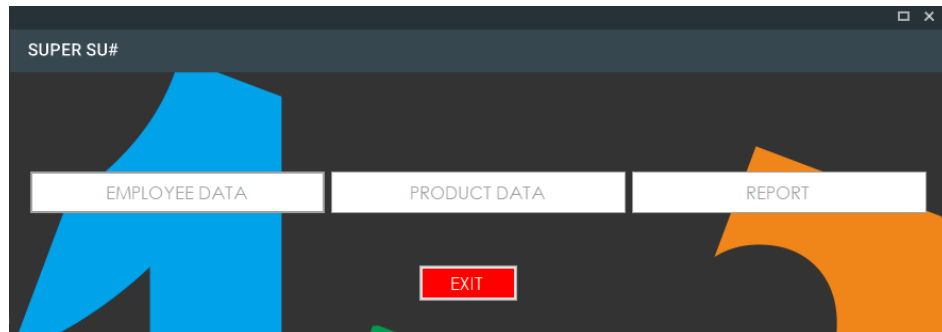
Mini Market Login

Username

Password

The login window features a dark gray background with a blue and orange abstract graphic on the left and right sides. The title bar is dark gray with the text 'Mini Market Login' and standard window controls (minimize, maximize, close) on the right.

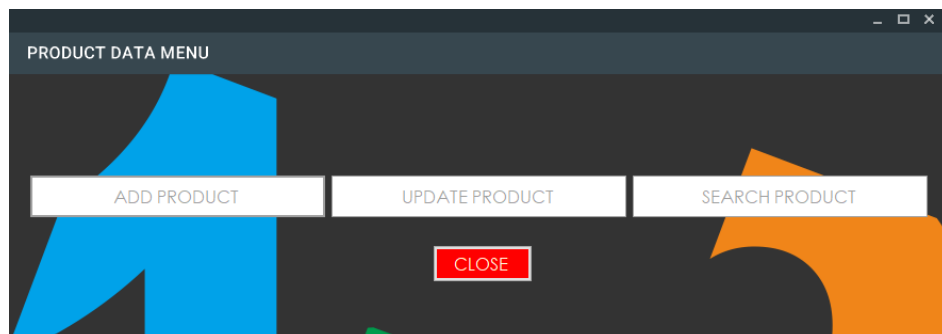
2. Master Admin Menu



SUPER SU#

The Master Admin Menu window has a dark gray background with a blue and orange abstract graphic on the left and right sides. The title bar is dark gray with the text 'SUPER SU#' and standard window controls (minimize, maximize, close) on the right.

3. Product Data Menu



PRODUCT DATA MENU

The Product Data Menu window has a dark gray background with a blue and orange abstract graphic on the left and right sides. The title bar is dark gray with the text 'PRODUCT DATA MENU' and standard window controls (minimize, maximize, close) on the right.

INTERFACE DESIGN FOR CASHIER

4. Add Product Menu

ADD PRODUCT

PRODUCT ID

PRODUCT NAME

PRICE

STOCK

SAVE

CLOSE

Product ID	Name	Stock	Price
4817050021	Coklat 100gr	100	10000
4817050022	Susu Sapi 1kg	499	120000
4817050023	miilo 10gr	8	1000
4817050024	Pemen 100gr	100	10000
4817050025	Keju 100gr	498	120000
4817050026	Mayonaisu 500gr	10	1000
4817050027	Gula Pasir 500gr	40	48700

5. Update Product Menu

UPDATE PRODUCT

PRODUCT ID

PRODUCT NAME

STOCK

PRICE

UPDATE DELETE

CLOSE

Product ID	Name	Stock	Price
4817050021	Coklat 100gr	100	10000
4817050022	Susu Sapi 1kg	499	120000
4817050023	miilo 10gr	8	1000
4817050024	Pemen 100gr	100	10000
4817050025	Keju 100gr	498	120000
4817050026	Mayonaisu 500gr	10	1000
4817050027	Gula Pasir 500gr	40	48700

6. Search Product Menu

SEARCH PRODUCT

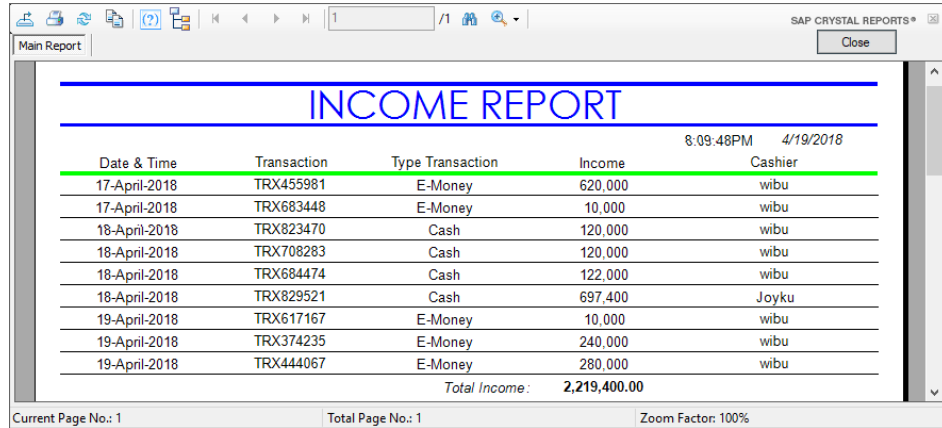
PRODUCT ID

CLOSE

Product ID	Name	Stock	Price

INTERFACE DESIGN FOR CASHIER

7. Report Menu



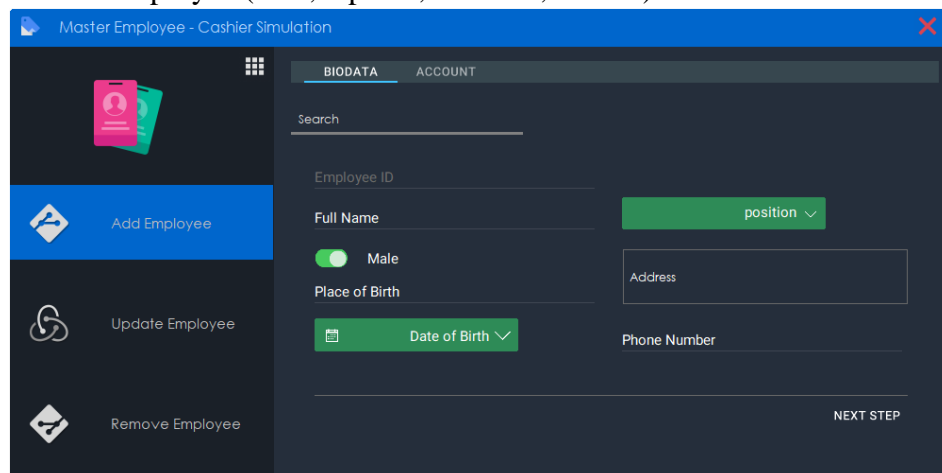
INCOME REPORT

8:09:48PM 4/19/2018

Date & Time	Transaction	Type Transaction	Income	Cashier
17-April-2018	TRX455981	E-Money	620,000	wibu
17-April-2018	TRX683448	E-Money	10,000	wibu
18-April-2018	TRX823470	Cash	120,000	wibu
18-April-2018	TRX708283	Cash	120,000	wibu
18-April-2018	TRX684474	Cash	122,000	wibu
18-April-2018	TRX829521	Cash	697,400	Joyku
19-April-2018	TRX617167	E-Money	10,000	wibu
19-April-2018	TRX374235	E-Money	240,000	wibu
19-April-2018	TRX444067	E-Money	280,000	wibu
Total Income:			2,219,400.00	

Current Page No.: 1 Total Page No.: 1 Zoom Factor: 100%

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



Master Employee - Cashier Simulation

BIODATA **ACCOUNT**

Search

Employee ID

Full Name

Male

Place of Birth

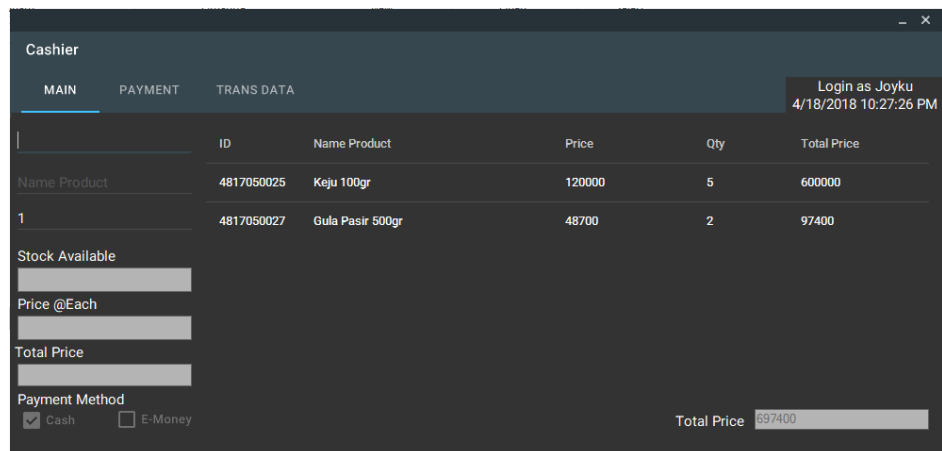
Date of Birth

Address

Phone Number

NEXT STEP

9. 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

10. Cashier Payment Menu

The screenshot shows the 'Cashier' application window with the 'PAYMENT' tab selected. The top right corner displays 'Login as Joyku' and the time '4/18/2018 10:27:43 PM'. The interface is divided into two main sections: 'Detail' and 'Payment Status'.

Detail Section:

- Payment Method:** A dropdown menu set to 'Cash'.
- Total Payment:** A text input field containing '697400'.
- Process Section:**
 - Cash:** A text input field containing '1000000'.
 - Change:** A text input field containing '302600'.
 - CONFIRM:** A button at the bottom of the process section.

Payment Status Section:

STATUS
Payment success

Time	4/18/2018 10:25:47 PM
Transaction ID	TRX829521
Payment Method	Cash
Total Payment	697400
Paid	697400
Change	302600
Cashier	Joyku

11. Cashier Trans Data (Transaction List) Menu

The screenshot shows the 'Cashier' application window with the 'TRANS DATA' tab selected. The top right corner displays 'Login as Joyku' and the time '4/18/2018 10:28:01 PM'. The interface has two radio buttons: 'Transaction List' (selected) and 'Transaction Detail'.

Transaction List Section:

	Date	TRX ID	Method	Total
Show Transaction	4/18/2018	TRX829521	Cash	697400

From: A date picker showing 'Sunday, April 15, 2018'.

To: A date picker showing 'Wednesday, April 18, 2018'.

12. Cashier Trans Data (Transaction Detail) Menu

The screenshot shows the 'Cashier' application window with the 'TRANS DATA' tab selected. The top right corner displays 'Login as Joyku' and the time '4/18/2018 10:28:29 PM'. The interface has two radio buttons: 'Transaction List' and 'Transaction Detail' (selected).

Transaction Detail Section:

Input TRX ID: A text input field containing 'TRX829521'.

Item	Quantity	Price
Keju 100gr	5	600000
Gula Pasir 500gr	2	97400

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:

Aspire E14 (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 2015 Enterprise

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
Report Data	This form for Print Report Income
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