DATABASE DESIGN

Database Name : Ojek-Online.accddb

No of Tables: 8

1) User Details

Field Name	Data Type	Description
no	Autonumber	Number of the data
name	Text	User's detail
email	Text	User's E-mail
sex	Text	User's gender
phone number	Text	User's phone number
joined Date	Date/Time	Date in which the user signed up

					_
no 🔻	name +	e-mail →	sex +	phone_number -	joined_date -
	1 M Hudya Ramadhana	mhudyaramadhana@gmail.com	M	0838-7840-9051	15/09/2015
	2 Bagus Prasetya	bagusprsty@gmail.com	M	0838-7840-9051	17/09/2015
	3 Octavino Pratama	octavpratama@gmail.com	M	0878-3464-7123	17/09/2015
4	4 Andi	andibolobolo@gmail.com	M	0812-0812-0812	25/09/2014
	5 Budi	budibalabala@ymail.com	M	0857-0857-0857	25/09/2014
	6 Charly	charly.esteh2gelas@wakwaw.com	F	0898-0898-0898	25/09/2014
	7 Dhita Eka Permata Setiawan	dhitawakwaw@gmail.com	F	0852-0852-0852	01/08/2015
	8 Elsa	elsa.or@rocketmail.com	F	0856-0856-0856	19/05/2012
	9 Funny Bintang	bintanglalalala@yahoo.com	F	0877-7087-7708	24/09/2015
1	0 Garrusvakarian	gar@gmail.com	M	1231-2131-2131	22/12/2009

2) Driver Details

Field Name Data Type		Description			
no	Autonumber	Number of the data			
Id_driver Text		Driver's id			
name	Text	Driver's name			
birthdate	Date/Time	Driver's birthdate			
address	Text	Driver's address			
phone number	Text	Driver's phone number			
sex	Text	Driver's gender			
joined date	Date/Time	Date in which the driver signed up			

no √	id_driver →	name →	birthdate 🕶	address +	phone_number +	sex 🕶	joined_date →
1	S0001	Bagus Bayu	9/1/1987	Jl.Kreo 3, Tangerang Selatan	0897-3834-9232	M	9/1/2015
2	S0002	Reza Akbar	7/8/1997	Jl.Bogor Dalam 3,Bogor	0893-4784-3512	M	9/2/2015
3	S0003	Reza Waluyo	9/28/1979	Jl.Kejaksaan 5, Tangerang, Banten	0898-3473-2812	M	9/2/2015
4	S0004	Muhammad Fazar	2/18/1988	Jl.Laskar 12, Kebayoran Baru, Jakarta	0888-8873-4812	M	9/3/2015
5	S0005	Siti Aminah	12/2/1990	Jl.Kedongdong 10,Cinere,Jakarta	0887-8172-3871	F	9/3/2015
6	S0006	Nero Adam	8/2/1995	Jl.Laskar 48, Kebayoran Lama, Jakarta	0888-8873-4812	M	9/3/2015
7	S0007	Ulfa Madini	4/27/1997	Jl.Serep Baru,Blok M,Jakarta	0898-8736-4212	F	9/4/2015
8	S0008	Eriana Marinda	12/21/1992	Jl.Margonda Raya,Depok	0878-8712-3872	F	9/4/2015
9	S0009	Rinda Ayumi	9/25/1994	Jl.Kemang Timur 5,Kemang,Jakarta	0838-7873-4932	F	9/4/2015
10	S0010	Muhammad Akbar	2/28/1994	Jl.Panglima Polim,Blok M,Jakarta	0857-1923-8921	M	9/4/2015

3) Restaurant Data

Field Name	Data Type	Description
Id_resturant	Text	Restaurant's id
name	Text	Name of the restaurant
address	Text	Restaurant's address
phone number	Text	Restaurant's phone number

id_restaurar →	name +	address →	phone numbi 🕶
ID0001	Rumah Makan Nasi	Jl.Bogor 5,Citayem, Bogor	0887-8234-7812
ID0002	Sate Ayam Babe Romli	Jl.Kebayoran Lama, Kebayoran, Ja	0894-8593-4352
ID0003	Ice Cream Panda	Jl.Kejaksaan 12,Ciganjur,Jakarta	0894-3653-4543
ID0004	Soto Ayam Waluyo Khas Madura	Jl.Tampobalon, Mayestik, Jakarta	0898-6736-2423

4) Driver's Dependent

Field Name	Data Type	Description
No	Autonumber	Number of the data
id_driver	Text	Driver's id
dependent	Text	Dependent's name
sex	Text	Staff's gender
birthdate	Date/Time	Birthdate of the dependent
status with	Text	Dependent's status with driver

no -	id_driver +	dependent_name -	sex -	birthdate - status_with -
1	S0001	Sari Waluyo	F	01/08/1976 Mother
2	S0006	Mardang Wari	F	12/06/1987 Wife
3	S0006	Ranita Ayu	F	24/05/1998 Daughter
4	S0006	Putra Abi	M	02/08/1999 Son
5	S0003	Rani Maharani	F	05/12/1980 Wife
6	S0003	Putri Ayu	F	01/08/1999 Daughter
7	S0004	Rahayu Asri	F	12/07/1993 Wife
8	S0001	Anita Anindya	F	24/05/1990 Wife
9	S0001	Anita Gusti	F	14/05/1994 Daughter
10	S0001	Putra Akbar	M	28/09/1996 Son
11	S0007	Weni Nino	F	22/12/1967 Mother
12	S0007	Jahar Gafuri	M	25/07/1966 Father
13	S0008	Agung Laksono	M	18/02/1967 Father
14	S0008	Rahayu Asmara	F	26/04/1972 Mother
15	S0009	Rafi Aspar	M	27/08/1966 Father
16	S0009	Akbar Zakaria	M	01/01/1999 Brother
17	S0010	Mutia Asri	F	29/07/1975 Mother
18	S0010	Mutia Ayu Dianta	F	31/01/1998 Sister

5) Food or Drink Menu

Field Name	Data Type	Description
Id_menu	Text	Menu's ID
Id_restaurant	Text	Restaurant's ID
Menu_name	Text	Name of Menu
price	Text	Price of Menu

id_menu	¥	id_restaurar -	menu_name +	price +
M0001		ID0001	Nasi Goreng Kampung	Rp15.000
M0002		ID0001	Nasi Ayam Kampung	Rp18.000
M0003		ID0001	Nasi Bebek Rawon	Rp20.000
M0004		ID0002	Sate Ayam Betawi	Rp20.000
M0005		ID0002	Sate Kambing Betawi	Rp25.000
M0006		ID0002	Sate Sapi Betawi	Rp30.000
M0007		ID0002	Sate Kuda Betawi	Rp35.000
M0008		ID0003	Ice Cream Sandwich	Rp15.000
M0009		ID0003	Ice Cream Cone Sundae	Rp15.000
M0010		ID0003	Ice Cream Goreng Varian	Rp15.000
M0011		ID0003	Juice Ice Cream	Rp18.000
M0012		ID0003	Ice Cream Panda	Rp18.000
M0013		ID0004	Soto Ayam Ranjau	Rp15.000
M0014		ID0004	Soto Ayam Ceker	Rp15.000
M0015		ID0004	Soto Ayam Biasa	Rp12.000

6) Food or Drink Transaction

Field Name	Data Type	Description
no_booking	Autonumber	Number of booking
id_menu Text		Identification of the menu
name	Text	Name of the food/drink
id_driver	Text	Driver's id
booking_date	Date/Time	Date of the booking
booking_time	Date/Time	Time of the booking
total	Text	Total of the items booked
Driver's Fee	Number	Driver's delivery fee

no_booking -1	id_menu →	name 🕶	id_driver -	booking_da -	booking_tin -	total -	Driver's Fee ▼
2	M0014	Andi	S0001	18/09/2015	13:00	2	Rp10.000
3	M0005	Bagus Prasetya	S0005	19/09/2015	21:00	1	Rp10.000
4	M0012	Charly	S0004	19/09/2015	15:00	2	Rp10.000
5	M0002	Dhita Eka Perm	S0003	19/09/2015	14:04	3	Rp10.000
6	M0009	Elsa	S0004	20/09/2015	7:00	1	Rp10.000
7	M0013	Funny Bintang	S0004	21/09/2015	9:46	1	Rp10.000
8	M0005	Dhita Eka Pern	S0005	21/09/2015	17:03	1	Rp10.000
9	M0008	Andi	S0001	22/09/2015	9:58	2	Rp10.000
10	M0004	Funny Bintang	S0001	22/09/2015	9:05	1	Rp10.000

7) Courier or Transport Transaction

Field Name	Data Type	Description
no_booking	Autonumber	Number of booking
types	Text	Types of service provided
id_staff	Text	Staff's id
departure	Text	User Departure Location
destination	Text	User Destination Location
booking_time	Date/Time	Time of the booking
booking date	Date/Time	Date of the booking
fee	Number	Fee of the provided services

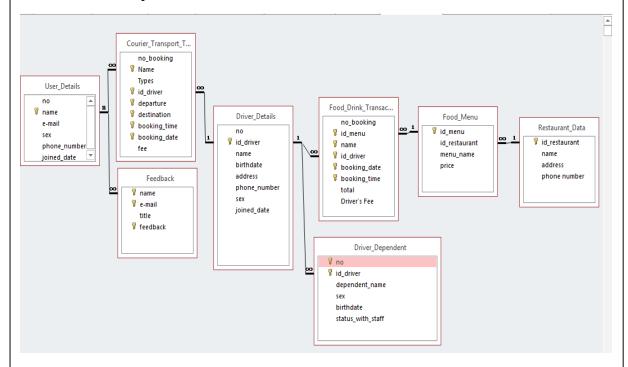
no_booking →	Name -	Types 🕶	id_staff →	departure 🕶	destination •	booking_tin •	booking_da -	fee 🔻
1	Garrusvakarian	Courier	S0004	CCIT	Margonda	19:00	18/09/2015	Rp10.000
2	. Garrusvakarian	Courier	S0005	Depok	Bogor	21:00	19/09/2015	Rp10.000
3	M Hudya Ramadhana	Courier	S0004	Bogor	Depok	2:00	19/09/2015	Rp10.000
4	Bagus Prasetya	Transport	S0003	Margonda	Depok 2	0:00	20/09/2015	Rp10.000
5	Andi	Transport	S0005	Depok 2	Depok 1	12:00	20/09/2015	Rp10.000
6	Octavino Pratama	Courier	S0002	Bogor	Depok	12:12	21/09/2015	Rp10.000
7	Budi	Courier	S0001	Depok 1	Depok 2	13:00	21/09/2015	Rp10.000
8	Bagus Prasetya	Courier	S0003	Depok 2	Depok 1	11:00	22/09/2015	Rp10.000

8) Feedback Table

Field Name	Data Type	Description
Name	Text	Name of User
E-mail	Text	User's Email
Title	Text	Title of comment
Comment	Text	Comment field

name	*	e-mail	*	title •	feedback
Budi		budibalabala@ymail.com	T	Γοο Fast!	Hello, i am budi.
Dhita Eka Permata Setiawan		dhitawakwaw@gmail.com	S	Slow!	Hello, i am ojek online user!
Funny Bintang		bintanglalalala@yahoo.com	N	New Menu Please?	Hello
M Hudya Ramadhana		mhudyaramadhana@gmail.com	١	Nice Service!	Hello, i am your faith user. I want to give an feedback to you. I like with oje

Relationship



This Application used Microsoft Access with 8 table that is User_Details, Courier_Transport_Transaction, Feedback, Driver_Details, Driver_Dependent, Food_Drink_Transaction, Food_Menu, and Restaurant_Data. Here is our relationship:

- 1. Field [name] in User_details Table connected with [name] field in Feedback and Courier_Transport_Transaction Table.
- 2. Field [id_driver] in Driver_Details Table connected with [id_driver] field in Courier_transport_transaction, Driver_Dependent, and Food_Drink_Transaction table.
- 3. Field [id_menu] in Food_menu Table connected with [id_menu] field in Food_Drink_Transaction table.
- 4. Field [id_restaurant] in Food_menu Table connected with [id_restaurant] field in Restaurant_Data Table.

FORM DESIGN

Form Name	Form Type	Description	Tables/Query Used
Courier & Transport	Transaction	To add courier and transport order	Courier Transport
Transaction	Form		Transaction
Daftar Makanan	Search Form	To search and show all menu	Food Menu
Driver and User Data	Menu	Show option to select Driver	-
		Details, Driver's Dependent or	
		User Details Form	
Driver Dependent	Search Form	Show and Search Driver's	Driver Dependent
		Dependent	
Driver Details	Search Form	Show and search Driver Details	Driver Details
Food & Drink	Transaction	To add food or drink order	Food Menu
Transaction	Form		
Food or Drink Menu	Menu	Show option to select Food &	-
		Drink Order or Food Menu	
		Search	
Form Menu	Menu	Show home menu of application	-
Query and Reports	Menu	Show all Query and reports	All Query and
			Reports
Register Account	Transaction	To Register New User.	User Details
	Form		
User Details	Search Form	Show and search User Details	User Details
User Feedback	Transaction	In this form, User can give any	Feedback
	Form	feedback,comment and complain	
		about our service.	

VALIDATIONS PERFORMED

Driver_Details

- Name, Address, sex and phone number should not be left blank.
- Phone_Number should be entered in the format, xxxx-xxxx.
- Sex must be written M or F

User_Details

- Name, e-mail, sex, phone number should not be left blank.
- Sex must be written M or F

Restaurant_data

- ID_restaurant should start with ID and followed by 4 digit number
- Phone_Number should be entered in the format, xxxx-xxxx.

Food_Drink_Transaction

• Id_menu,name,id_driver,Booking_date, booking_time,and total should not be left blank.

Courier_Transport_Transaction

• Name, Types, id_driver, departure, destination, booking_time, and booking_date should not be left blank.

Food Menu

- Id_menu,id_restaurant,menu_name, and price should not be left blank.
- ID_Menu should start with M and followed by 4 digit number
- ID_restaurant should start iwht ID and followed by 4 digit number

Driver Dependent

- Id_driver, dependent name, sex, birthdate, and status_with_driver should not be left blank.
- Sex must be written M or F

Feedback

• Name, title, e-mail and comment should not be left blank.

Queries Used

Query Name	Query type	Description	Tables Used
Birthdate 1990-2000	Simple	To show query about driver which born in 1990-2000.	Driver Details
Driver Birthdate > 1985	Simple	To show query about driver which born above 1985.	Driver Details
Driver Dependent	Simple	To show driver's dependent on his family.	Driver Details and Driver Dependent
Driver Details	Simple	To Show Driver Details.	Driver Details
Female User	Simple	To Show Females User	Driver Details
Food Below Rp 20.000	Simple	To show food or drink bellow Rp 20.000	Food Menu
Food Bought by Dhita Eka Permata Setiawan	Simple	To show food bought by Dhita Eka Permata Setiawan	Food Drink Transaction
Food Delivered by Muhammad Fazar	Simple	To show food which delivered by Muhammad Fazar	Food Drink Transaction
Food Ordered at 18-20 September 2015	Simple	To show food which ordered at 18 untill 20 September 2015	Food Drink Transaction
Joined Date 03-04 September 2015	Simple	To show Driver which joined at 3-4 September 2015	Driver Details
Male Driver	Simple	To show all male driver	Driver Details
Male User	Simple	To show all male user	User Details
Menu List	Simple	To show all menu	Food Menu
Sate Kambing Betawi	Simple	To show people who order "Sate Kambing Betawi"	Food Drink Transaction
User Departure From	Simple	To show people who order Ojek	Courier Transport
Bogor		and depart from bogor	Transaction
User Destination to	Simple	To show people who order ojek	Courier Transport
depok		and the destination is depok	Transaction
User Details	Simple	To show all User Details	User Details
User Joined Between 15-19 Sept 2015	Simple	To Show all user who joined at 15-19 September 2015	User Details
User Order Courier	Simple	To show all user who order courier types transaction	Courier Transport Transaction

Reports Outline

Report Name	Report type	Description	Tables/Queries Used
Birthdate 1990-2000	Columnar	To show Report about driver which born in 1990-2000.	Driver Details
Driver Birthdate > 1985	Columnar	To show report about driver which born above 1985.	Driver Details
Driver Dependent	Columnar	To show report about drivers dependent on his family.	Driver Details and Driver Dependent
Driver Details	Columnar	To Show report about Driver Details.	Driver Details
Female User	Columnar	To Show Report about Females User	Driver Details
Food Below Rp 20.000	Columnar	To show Report about food or drink bellow Rp 20.000	Food Menu
Food Bought by Dhita Eka Permata Setiawan	Columnar	To show report about food bought by Dhita Eka Permata Setiawan	Food Drink Transaction
Food Delivered by	Columnar	To show report about food which	Food Drink
Muhammad Fazar		delivered by Muhammad Fazar	Transaction
Food Ordered at 18-20	Columnar	To show report which ordered at	Food Drink
September 2015	G 1	18 untill 20 September 2015	Transaction
Joined Date 03-04 September 2015	Columnar	To show report about Driver which joined at 3-4 September 2015	Driver Details
Male Driver	Columnar	To show report about all male driver	Driver Details
Male User	Columnar	To show report about all male user	User Details
Menu List	Columnar	To show report about all menu	Food Menu
Sate Kambing Betawi	Columnar	To show report about people who	Food Drink
	G 1	order "Sate Kambing Betawi"	Transaction
User Departure From	Columnar	To show report about people who	Courier Transport
Bogor User Destination to	Columnar	order Ojek and depart from bogor To show report about people who	Transaction Courier Transport
depok	Columnai	order ojek and the destination is	Courier Transport Transaction
исрок		depok	Transaction
User Details	Columnar	To show report about all User Details	User Details
User Joined Between 15-19 Sept 2015	Columnar	To Show report about all user who joined at 15-19 September 2015	User Details
User Order Courier	Columnar	To show report about all user who order courier types transaction	Courier Transport Transaction

Problems Encountered

•	Design Form and Report
•	Make a search engine and direct to report form
•	Make an error message when search data and there are no data in the table

CONFIGURATION

Hardware : Laptop Compatible with a Intel Core i3, 2 GB RAM, and 500GB of Hard

Disk

Operating System : Windows 8 Pro

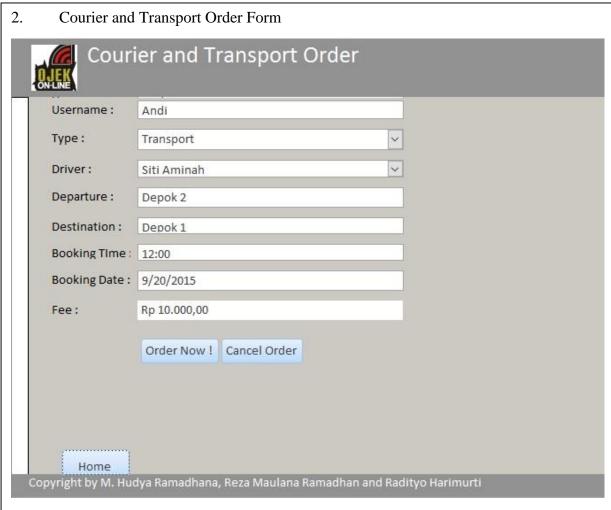
Software : Microsoft Office Access 2013

PROJECT FILE DETAILS

S.No	File Name	Remarks
1	Ojeg-Online.accdb	Microsoft Office Access 2013 database that contains tables, queries, forms, and reports.

FORM



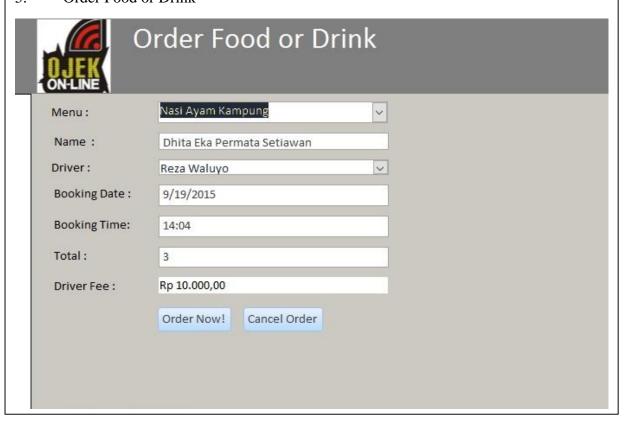


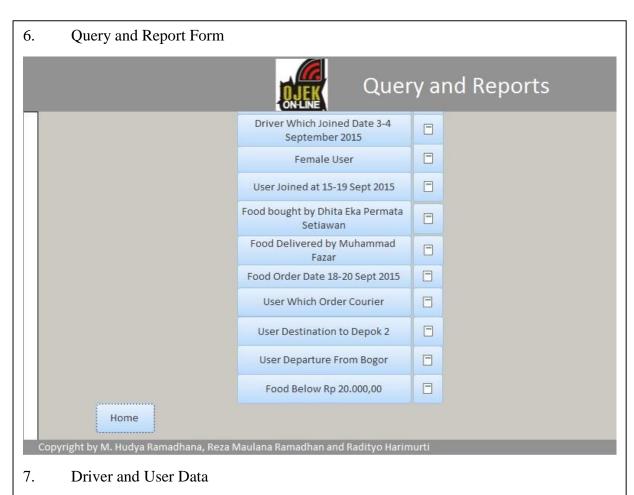
3. Food or Drink Menu



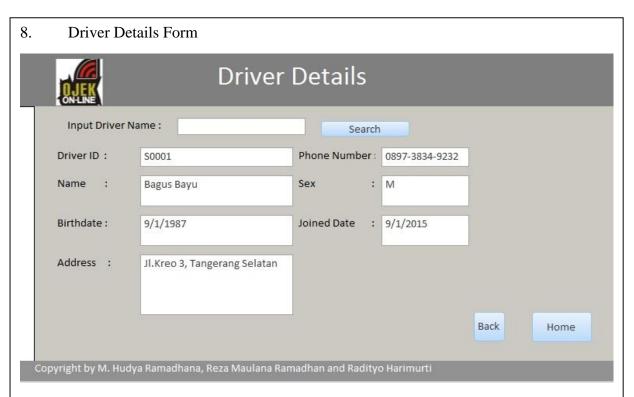
Menu Form 4. Menu Nasi Goreng Menu: Search Menu Nasi Goreng Kampung Price Rp15,000 Restaurant: Rumah Makan Nasi Address Jl.Bogor 5, Citayem, Bogor Back Home Copyright by M. Hudya Ramadhana, Reza Maulana Ramadhan and Radityo Harimurti

5. Order Food or Drink

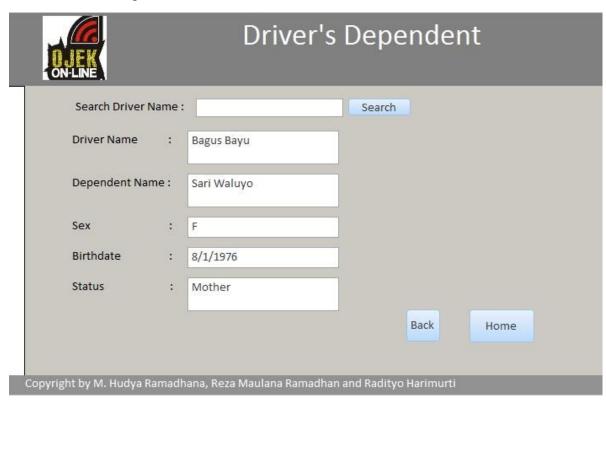






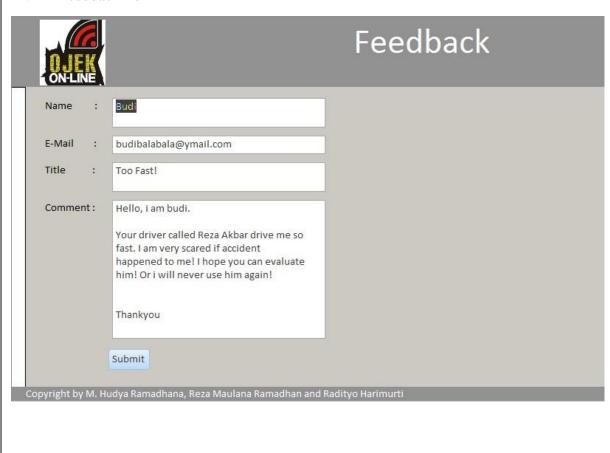


9. Driver's Dependent Form



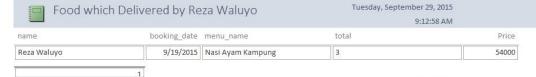
10. User Details Form **User Details** Search Name: Search Name Andi E-mail andibolobolo@gmail.com Sex Phone Number: 0812-0812-0812 Back Home Joined Date 9/18/2015 Copyright by M. Hudya Ramadhana, Reza Maulana Ramadhan and Radityo Harimurti

11. Feedback Form



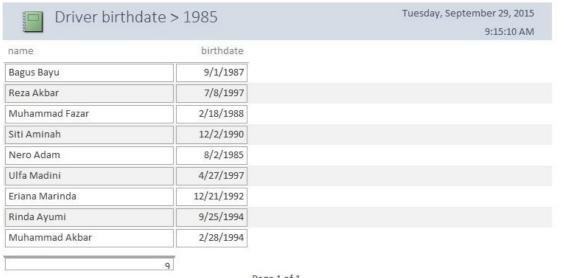
REPORTS

1. Food which Delivered by Reza Waluyo Report



Page 1 of 1

2. Driver Birthdate > 1985 Report

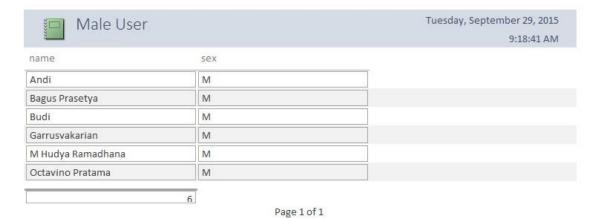


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3. Sate Kambing Betawi Report



4. Male User Report

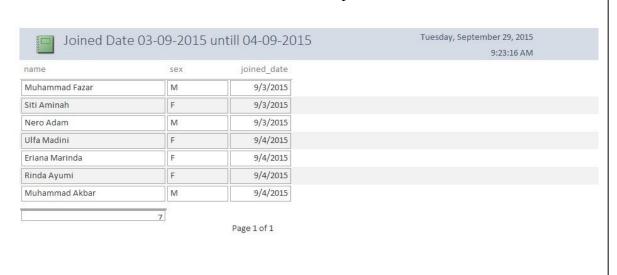


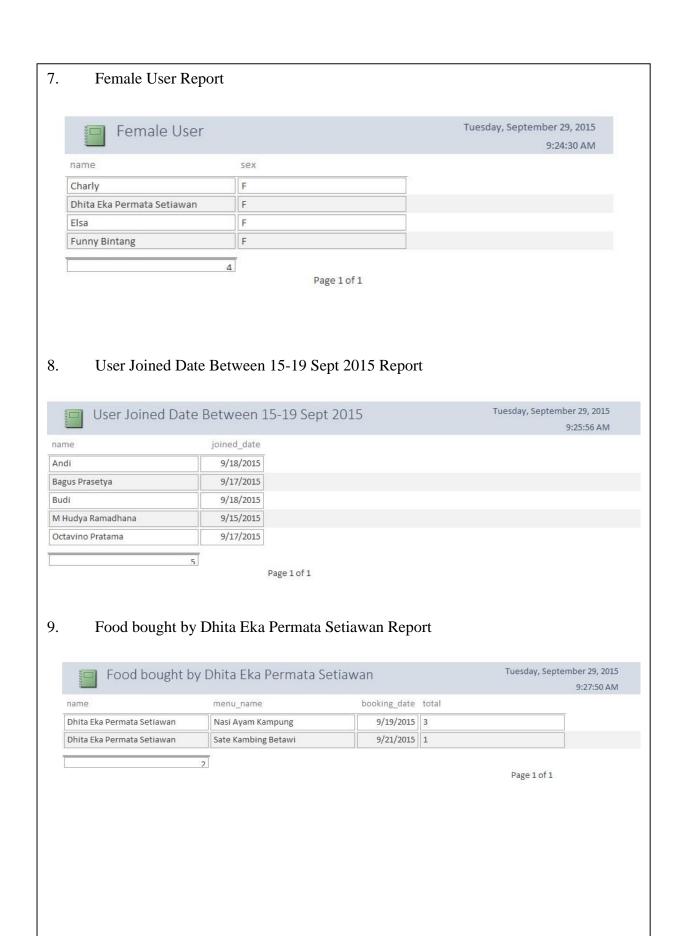
5. Birthdate 1990-2000 Report



Page 1 of 1

6. Joined Date 03-09-2015 until 04-09-2015 Report





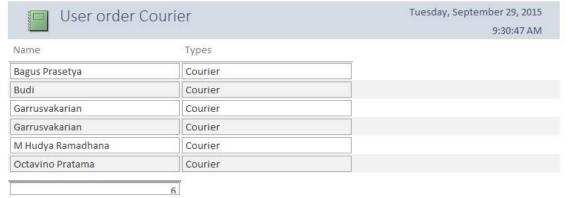
11. Food Delivery by Muhammad Fazar Report



12. Food Ordered at 18-20 September 2015 Report

_			9:29:52 AM
nenu_name	booking_date b	oooking_time	
Nasi Ayam Kampung	9/19/2015	14:04	
Sate Kambing Betawi	9/19/2015	21:00	
ce Cream Cone Sundae	9/20/2015	7:00	
ce Cream Panda	9/19/2015	15:00	
Soto Ayam Ceker	9/18/2015	13:00	

13. User order Courier Report



Page 1 of 1

14. User Destination to Depok 2 Report



Page 1 of 1

15. User Departure from Bogor Report



Page 1 of 1

16. Food below Rp 20000 Report



Page 1 of 1