

4.2

26

4-1

1	Accident	
2	Brand	
3	CarClass	.
4	CarResume	
5	Company	
6	Insurance Type	
7	Insurance	
8	Item Class	/
9	Item	/
10	Khed	
11	MantaCase	
12	Member	
13	OilType	
14	Personal	
15	Position	
16	PRBClass	
17	Prename	
18	Province	
19	RepairCase	
20	RepairDetail	
21	SangKud	
22	Section	
23	TaxHistory	
24	Transfer	

25	UseCar	
26	UseSpacialCar	

1. .1

2. CarRume
()

3. 2 UseCar

UseSpacialCar

4. 2 MantaCase

RepairCase

5. Tax History

6. Insurance

Accident

7.

2

(User)

(Admin)

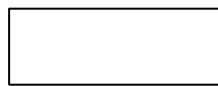
Member

Password

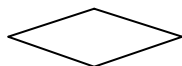
8.

Entity-Relationship

Diagram (E-R)



Strong Entity
Entity



Relationship

Entity



Associate Relationship

Attribute

Entity



Attribute

Entity

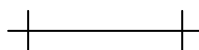
1 Entity



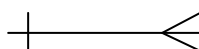
Key Attribute

Attribute

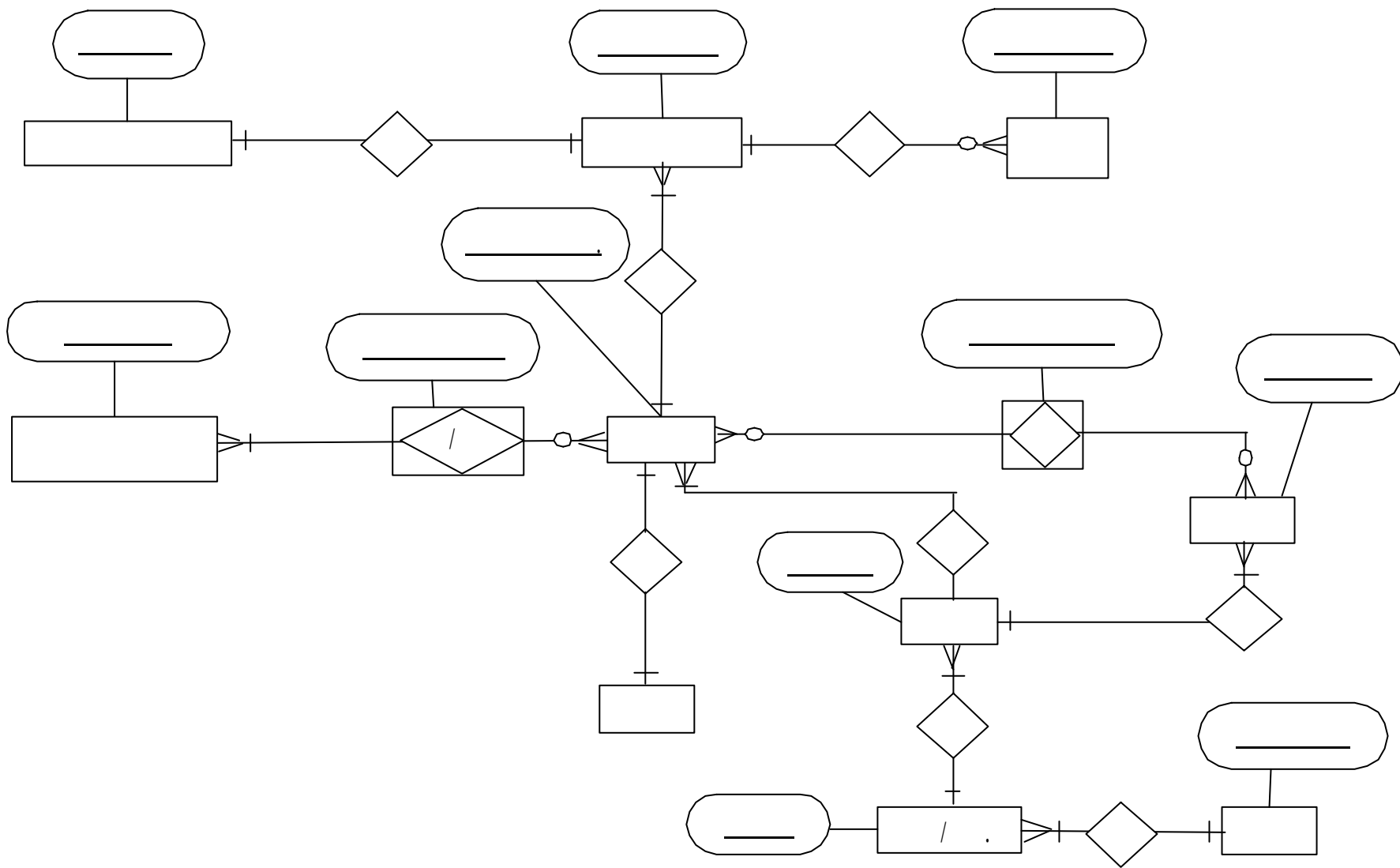
(Uniqueness)



One to One Relationship



One to Many Relationship



- E-R

4-2

(Accident)

	Field				
1	<u>Acc_Code</u>	Text	5		/ /1
2	Acc_Count	Integer	2		1,2,3...
3	Acc_CarC	Text	12		.1-01-0375
4	Acc_SangkudC	Text	8		1000000
5	Acc_Detail	Text	255		
6	Acc_Date	Text	10		05/01/2546
7	Acc_AccDate	Text	10		01/01/2546
8	Acc_PayDate	Text	10		10/01/2546
9	Acc_UseCarC	Text	10	()	- -1
10	Acc_Place	Text	255		.1
11	Acc_RepairCost	Currency	8		1000
12	Acc_RepairC	Text	10		/ /1
13	Acc_InsC	Text	30		MCP-01/057792
14	Acc_Pay	Currency	8		1000
15	Acc_Personal	Text	6		474089
16	Acc_Status	Text	20		

16

4.2

(Primary Key)

4-2 (Acc_code)

/

/1

1 : Acc_Count

1

:

:

- Acc_code

(Acc_Status)

-

-

-

-

.1

4-3 (Brand)

	Field				
1	<u>B_Code</u>	Text	3		00100
2	B_TLname	Text	50		
3	B_ELname	Text	50		ISUZU

3 4.3
_____ (Primary Key)

4-4 . (CarClass)

	Field				
1	<u>Class_code</u>	Text	2	.	01
2	Class_Name	Text	50	.	

.
.
3
.
4-4
_____ (Primary Key)

4-5

(Company)

	Field				
1	<u>Comp_Code</u>	Text	5		00010
2	Comp_Lname	Text	50		
3	Comp_Sname	Text	20		
4	Comp_AdNo	Text	10		187/6-7
5	Com_Ad moo	Text	10		-
6	Comp_AdRoad	Text	20		
7	Comp_AdTumbon	Text	20		
8	Comp_AdAmphur	Text	20		
9	Comp_ProvinceC	Text	3		52
10	Comp_Phone1	Text	9	1	053400075
11	Comp_Phone2	Text	9	2	053400076
12	Comp_Fax	Text	99		053357377
13	Comp_Moblie	Text	9		-
14	Comp_Type	Text	2		0

14

4-5

(Primary Key)

4-5

(Comp_Type)

.1

- 0
- 1
- 2
- 3

4-6

(CarResume)

	Field				
1	<u>C_Code</u>	Text	10	.	.1-02-0078
2	C_SankudC	Text	8		0000000
3	C_NoLicence	Text	10		-3908
4	C_ProvinceC	Text	3		52
5	C_SDateLic	Text	10	/ /	24/09/2530
6	C_NDateLic	Text	10	/ /	24/09/2530
7	C_LiCarTyC	Text	3	.	04
8	C_TrucarTyC	Text	3	.	02
9	C_KhedC	Text	2		11
10	C_RY	Text	2	.	1
11	C_BrandC	Text	5		00700
12	C_Model	Text	20		MXR
13	C_ModelY	Text	4	..	1900
14	C_Size	Single	4	()	1,1.5,2..
15	C_Colour	Text	20		
16	C_NoEngine	Text	50		0900941
17	C_WEnging	Text	20		
18	C_EngindCC	Text	50	CC	1500
19	C_NoChassis	Text	50		250391

	Field				
20	C_WChassis	Text	20		
21	C_Piston	Byte	1		4
22	C_HoursePow	Single	4		1.5
23	C_Axle	Text	10		2
24	C_NumTire	Byte	1	()	4
25	C_Wheel	Byte	1	()	5
26	C_NumPass	Byte	1	()	4
27	C_WeighCar	Integer	2	(.)	1150
28	C_WeighCon	Integer	2	(.)	800
29	C_OilC	Text	2		01
30	C_ChaCar	Text	50		-
31	C_TypeUse	Text	10		
32	C_UseStatus	currency	8		
33	C_TaxCode	Text	13		-0078-1
34	C_ExpireTax	Text	10		01/09/2546
35	C_TaxPay	currency	8		810.00
36	C_TaxStatus	Text	20		
37	C_TaxStop	Text	255		-
38	C_InsStaPRB	Text	20	.	
39	C_InsStaOther	Text	20		
40	C_SellerC	Text	5		00100
41	C_DateSell	Text	10		23/09/2547
42	C_Prize	currency	8		456,700.00
43	C_NowKilo	Long Integer	4		12100
44	C_Mantastatus	Text	20		1
45	C_RepairStatus	Text	20		1
46	C_Personal	Text	6		474089

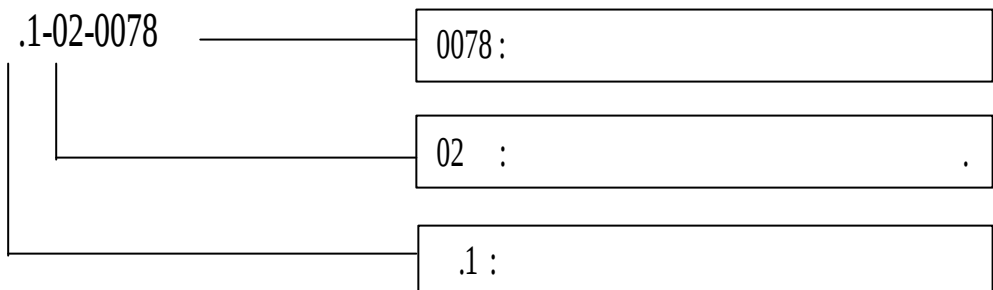
46

4.6

(Primary Key)

-6

(C_Code)



-

C_Code

(C_TypeUse)

-

-

(C_UseStatus)

-

-

-

(C_TaxStatus)

-

-

. . . (C_InsStatusPRB)

. . .

1

1

-

. . .

-

. . .

(C_InsStatusOther)

. . .

.1

1

1

-

-

(C_Mantastatus)

- 0

- 1

(C_RepairStatus)

- 0

- 1

4-7

(InsuranceType)

	Field				
1	<u>InsType_Code</u>	Text	2		00
2	InsType_Lname	Text	50		. 2535
3	InsType_Sname	Text	20		. . .

3

4-7

(Primary Key)

4-8

(Insurance)

	Field				
1	<u>Ins_Code</u>	Text	30		MCP-01/057766
2	Ins_CarC	Text	20		.1-03-1109
3	Ins_SangkudC	Text	8		0000000
4	Ins_InsTypeC	Text	10		00
5	Ins_StartDate	Text	2		01/01/2545
6	Ins_EndDate	Text	10		01/01/2546
7	Ins_Company	Text	5		00010
8	Ins_Connect	Text	100		
9	Ins_ConnectTel	Text	50		01-2287331
10	Ins_CarCost	Currency	8	()	10,000.00
11	Ins_PayPremium	Currency	8	()	900.00
12	Ins_PayRate	Currency	8	()	10.00
13	Ins_TaxRate	Single	4	(%)	7
14	Ins_SaleRate	Single	4	(%)	0
15	Ins_PayOther	Currency	8		0.00
16	Ins_PayTax	Currency	8		63.00
17	Ins_Sale	Currency	8		0.00
18	Ins_condition	Text	50		3

(Primary Key)

4-8

(Ins_PayTax)

$$(\text{Ins_PayTax}) = \frac{(\text{Ins_PayPremium}) \times (\text{Ins_TaxRate})}{100}$$

(Ins_Sale)

$$(\text{Ins_Sale}) = \frac{(\text{Ins_PayPremium}) \times (\text{Ins_SaleRate})}{100}$$

4-9

/ (ItemClass)

	Field				
1	<u>ITClass_Code</u>	Text	2	/	01
2	ITClass_Lname	Text	100	/	1 (5,000 . 2)
3	ITClass_Sname	Text	50	/	5000 . ()

/

/

3

4-9

4-10 _____ (Primary Key)
/ (Item)

	Field				
1	<u>IT_code</u>	Text	5	/	0001
2	IT_Lname	Text	150	/	
3	IT_Sname	Text	50	/	
4	IT_Unit	Text	10		
5	IT_ItemTypeC	Text	3	/	01

4-9 / /
/ 5

4.10

_____ (Primary Key)
/

.

4-11

(Khed)

	Field				
1	<u>Kh_Code</u>	Text	2		11
2	Kh_Lname	Text	50		1
3	Kh_Sname	Text	20		.1
4	Kh_Cname	Text	4		.1

4

4.11

(Primary Key)

4-12

(MantaCase)

	Field				
1	<u>MC_Code</u>	Text	11		/ 1/1
2	MC_Count	Interger	1		1
3	MC_Date	Text	10		5/8/2546
4	MC_RePairDate	Text	10		01/08/2546
5	MC_Mile	Long Integer	4		12100
6	MC_Cost	Currency	8		1,500.00
7	MC_ItemC	Text	5		02
8	MC_CarC	Text	12		.1-02-0078

9	MC_SangkudC	Text	8		0000000
	Field				
10	MC_PersonalC	Text	10		474089
11	MC_Company	Text	5		00001
12	MC_Status	Text	20		
13	MC_HistMile	Long Integer	4		4950
14	MC_HistDate	Text	10		-
15	MC_HistVaRa	Text	10		-

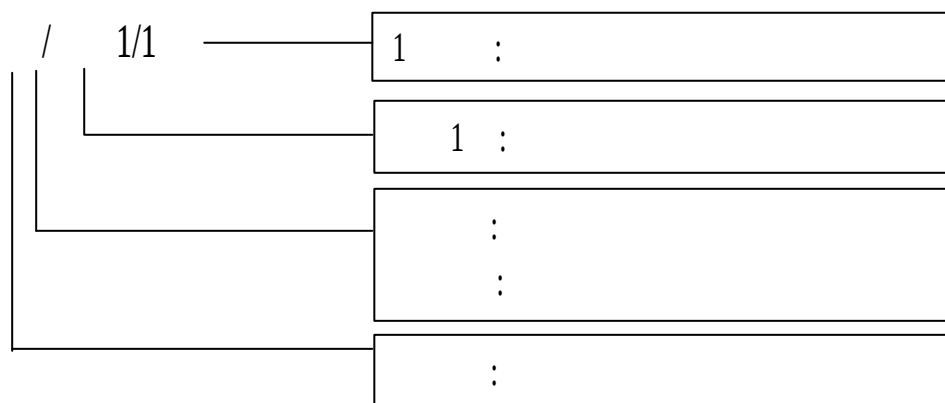
15

4-12

(Primary Key)

4-12

(MC_Code)



MC_Code

(MC_Status)

-

-

-

4-13

(Member)

	Field				
1	<u>Member_Code</u>	Text	6	UserName	474089
2	Member_Password	Text	4	Password	***
3	Member_Status	Text	20		User
4	Member_Name	Text	20		
5	Member_Lname	Text	50		
6	Member_Sangkud	Text	8		00010000
7	Member_Panage	Text	3		000

UserName

7

4-13

(Primary Key)

4-13

(Member_Status)

2

- User

- Admin

4-14

(OilType)

	Field				
1	<u>OT_Code</u>	Text	2		01
2	OT_Tname	Text	50		91
3	OT_Ename	Text	50		Gasoline91
4	OT_Detail	Text	100		91

4

4.14

(Primary Key)

4-15

(Personal)

	Field				
1	<u>P_Code</u>	Text	10		474089
2	P_PrenamC	Text	2		03
3	P_Fname	Text	50		
4	P_Lname	Text	50		
5	P_PositionC	Text	10		1119
6	P_LevelC	Text	2		4
7	P_Drivecard	Text	10		42003630
8	P_Startcard	Text	10		27/05/2542
9	P_Endcard	Text	10		27/05/2547
10	P_CarStatus	Text	10		
11	P_SectionC	Text	3		000

	Field				
12	P_Sangkud	Text	8		0101101
13	P_KhedC	Text	2		11
14	P_Status	Text	10		
15	P_DriverSt	Text	20		
16	P_DateStop	Text	10		4/8/46

16

4-15

(Primary Key)

(P_Status)

-

-

-

(P_DriverStatus)

(P_Status)

-

-

4-16

(Position)

	Field				
1	<u>Pos_Code</u>	Text	3		3107
2	Pos_Lname	Text	50		.
3	Pos_Sname	Text	20		

3

4.16

4-17

(PRBClass)

	Field				
1	<u>PRBClass_code</u>	Text	2		01
2	PRBClass_Name	Text	50		

3

4.17

(Primary Key)

4-18

(Prenome)

	Field				
1	<u>Pre_Code</u>	Text	2		01
2	Pre_Lname	Text	50		
3	Pre_Sname	Text	20		

3

4-18

(Primary Key)

4-19

(Province)

	Field				
1	<u>Prov_Code</u>	Text	4		52
2	Prov_Lname	Text	50		
3	Prov_Sname	Text	20		.

3

4-19

(Primary Key)

4-20

(RepairCase)

	Field				
1	<u>RC_Code</u>	Text	10		/ /1
2	RC_Count	Integer	2		1,2,3...
3	RC_Date	Text	10		04/08/2546
4	RC_RepairDate	Text	10		08/08/2547
5	RC_Mile	Long Integer	4		12100
6	RC_Cost	Currency	8		0.00
7	RC_CarC	Text	12		.1-03-0402
8	RC_SangkudC	Text	8		0101501
9	RC_Cause	Text	255		
10	RC_Rtype	Text	10		
11	RC_UseCarC	Text	12		None
12	RC_PersonalC	Text	6		474089
13	RC_Company	Text	5		00001
14	RC_Member1	Text	10	1	410816
15	RC_Member2	Text	10	2	458764
16	RC_Member3	Text	10	3	254387
17	RC_Status	Text	20		
18	RC_InsStatus	Text	20		Insurance

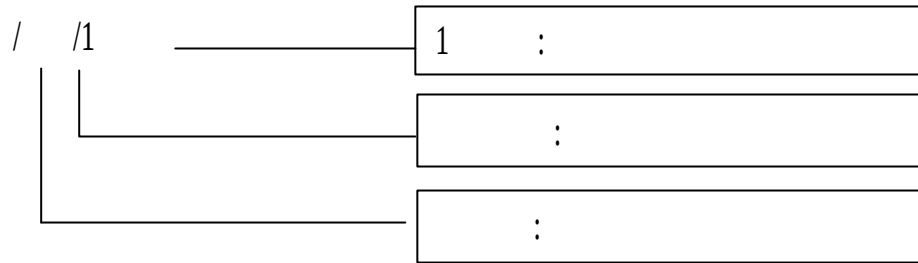
18

4-20

(Primary Key)

4-20

(RC_Code)



- RC_Code

(RC_Rtype)

-

-

(RC_Status)

-

-

-

(RC_InsStatus)

- Insurance

- None

4-21

(RepairDetail)

	Field				
1	RD_RepairCaseC	Text	9		/ /1
2	RD_ITClassC	Text	2		11
3	RD_ITDetail	Text	255		

(RepairCase)

3

4-21

4-22

(Sangkud)

	Field				
1	<u>SK_Code</u>	Text	4		0101101
2	SK_Lname	Text	50		.
3	SK_Sname	Text	20		. .
4	SK_SSname	Text	5		
5	SK_Level	Text	2		1
6	SK_KhedC	Text	2		11

6

4-22

(Primary Key)

4-23

(Section)

	Field				
1	<u>S_Code</u>	Text	10		011
2	S_Lname	Text	50		
3	S_Sname	Text	20		.

6

4.23

(Primary Key)

4-24

(TaxHistory)

	Field				
1	<u>Tax_Code</u>	Text	12		/ /1
2	Tax_Count	Integer	2		1,2,3...
3	Tax_CarCode	Text	12		0000000
4	Tax_DatePay	Text	10		01/09/2546
5	Tax_Price	Currency	8		810.00
7	Tax_manPay	Text	10		474089
8	Tax_Status	Text	20		

8 4-24

_____ (Primary Key)

4-24 (Tax_Code)

/ 1/1	1	:	
		:	
		:	

- Tax_Code

(Tax_Status)

-

-

4-25

(Transfer)

	Field				
1	<u>Tran_Code</u>	Text	10		/ 1/1
2	Tran_Count	Integer	2		1,2,3...
3	Tran_CarC	Text	10		.1-02-0078
4	Tran_From	Text	8		0000000
5	Tran_To	Text	8		1000000

	Field				
6	Tran_Why	Text	20		
7	Tran_Date	Text	20		01/08/2546
8	Tran_Tdate	Text	20		05/08/2547
9	Tran_Status	Text	3	()	
10	Tran_Personal	Text	9		474089

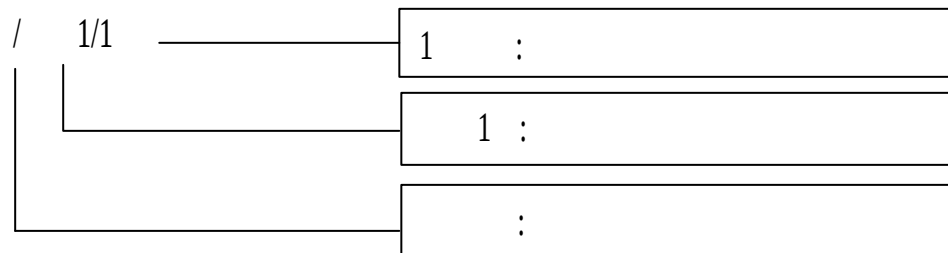
10

4-25

(Primary Key)

4-25

(Tran_Code)



-

Tran_Code

(Tran_Status)

-

-

-

4-26

Usecar)

	Field				
1	<u>U_code</u>	Text	12		- -1
2	U_Count	Integer	2		1,2,3...
3	U_RentDate	Text	10		04/08/2546
4	U_CarC	Text	12		.1-03-0573
5	U_ControlC	Text	10		474089
6	U_DriverC	Text	10		474089
7	U_StartDate	Text	10		04/08/2546
8	U_EndDate	Text	10		04/08/2546
9	U_Place	Text	255		. . .
10	U_Job	Text	255		
11	U_ClassC	Text	2		03
12	U_Ton	Text	5		1
13	U_NumPeople	Byte	1		1
14	U_Status	Text	20		

15	U_GetKey	Yes/No	1	()	FALSE
16	U_SangkudC	Text	8		0101101
	Field				
17	U_PanageC	Text	3		000
18	U_StartKilo	Long Integer	4		122132
19	U_EndKilo	Long Integer	4		122230
20	U_NumOil	Single	4	()	18.98
21	U_PayOil	Currency	8	()	200
22	U_Accident	Text	255		
23	U_KeyEndDate	Text	10		05/08/2546

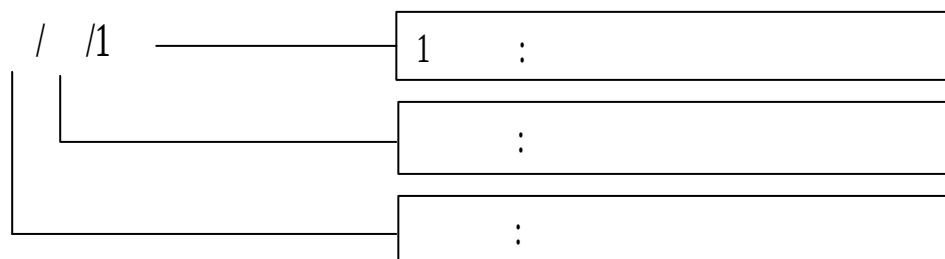
23

4-26

(Primary Key)

4-26

(U_Code)



-

U_Code

(U_Status)

-

-

-

-

(U_GetKey)

- Yes

- No

4-27

	Field				
1	<u>US_code</u>	Text	12		- -1
2	US_Count	Integer	2		1,2,3...
3	US_Date	Text	10		27/07/2546
4	US_CarC	Text	12		.1-04-3211
5	US_SangkudC	Text	8		10000000
6	US_Personal	Text	10	/	121212

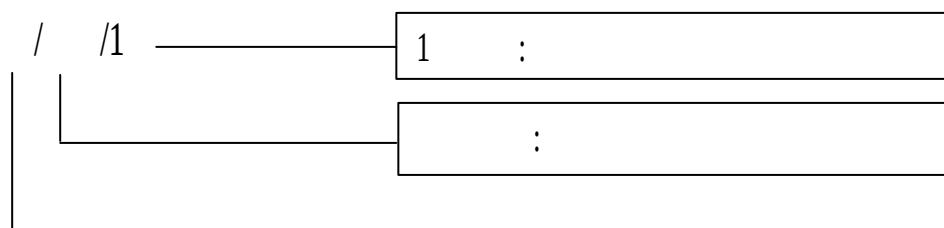
7	US_StartDate	Text	10		01/01/2546
	Field				
8	US_EndDate	Text	10		01/01/2546
9	US_Place	Text	255		. . - .
10	US_Job	Text	255		.
11	US_StartKilo	Long Integer	4		12200
12	US_EndKilo	Long Integer	4		12300
13	US_NumOil	Single	4	()	20
14	US_PayOil	Currency	8	()	200
15	US_Accident	Text	255		-

15

4-27

4-27

(Primary Key)
(US_Code)





-

US_Code