



FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

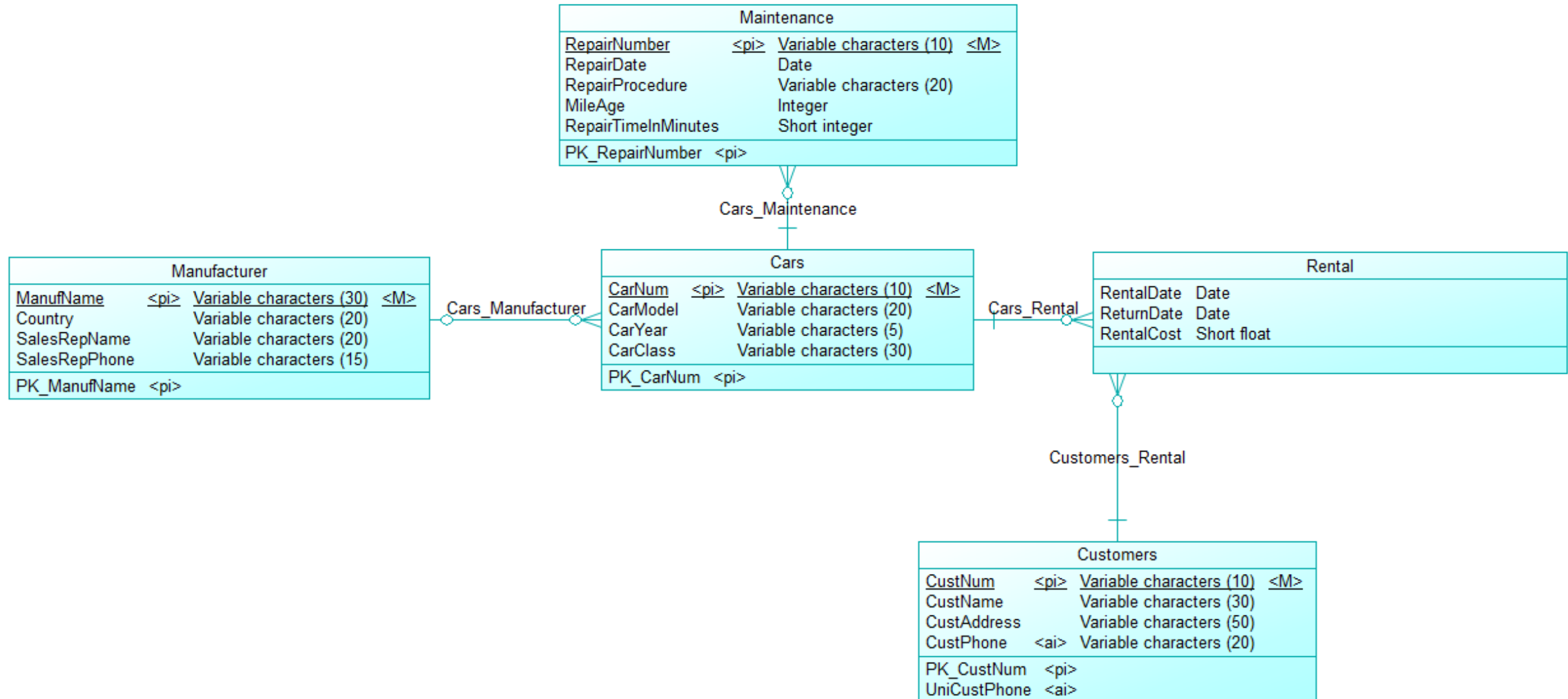
INSTITUTE OF APPLIED COMPUTER SYSTEMS

Database Management Systems

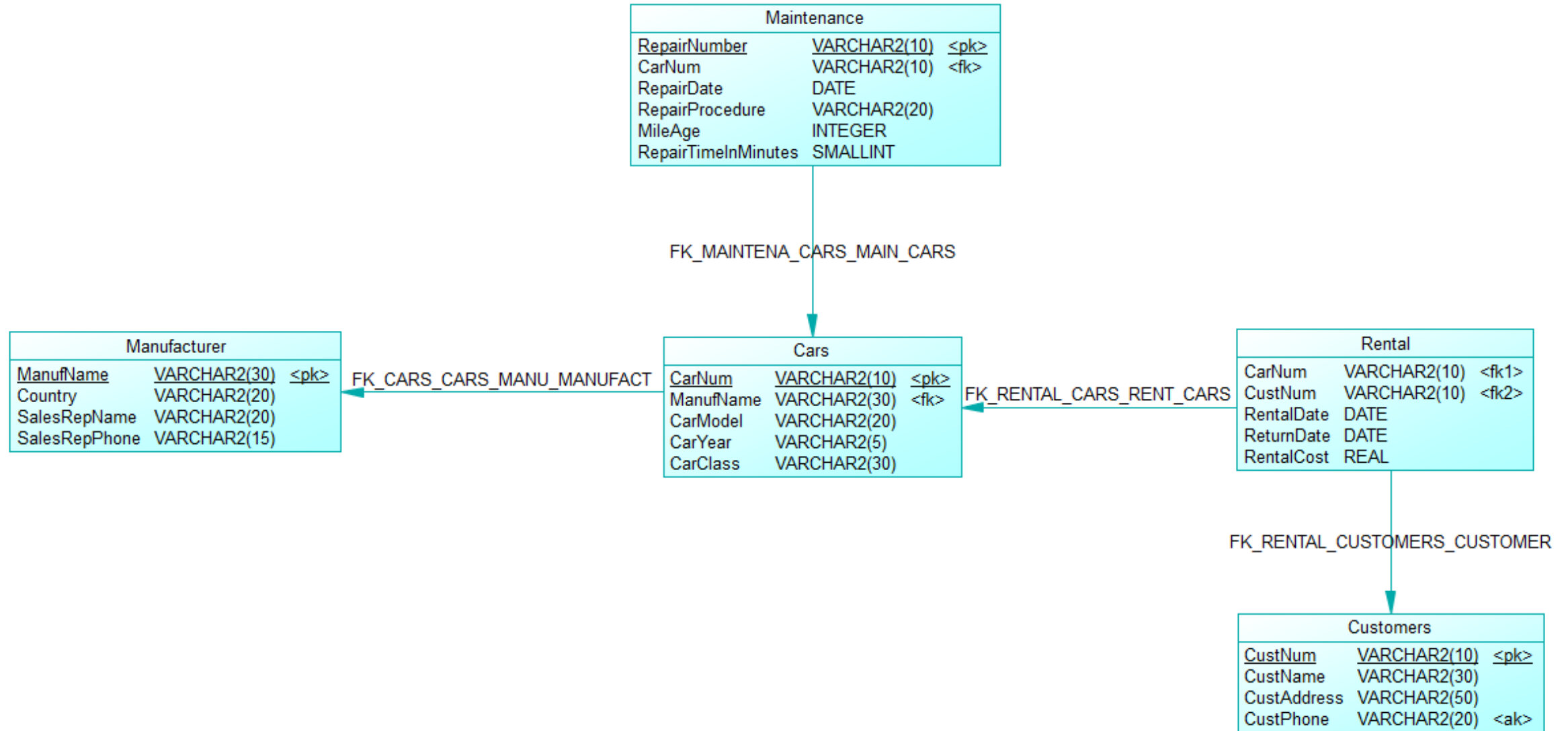
Practice 1: Database Design

Emir Oguz 230ADB011

CONCEPTUAL DIAGRAM



PHYSICAL DIAGRAM



CARS

	CARNUM	MANUFNAME	CARMODEL	CARYEAR	CARCLASS
1	27391	Milan Motors	Justice	2001	Compact
2	48273	Capital Motors	Beta	1999	Convertible
3	49291	Milan Motors	Justice	2002	Compact
4	123948	Capital Motors	Beta	2001	Convertible
5	184737	Milan Motors	Gold	2000	Minivan
6	283249	Rome Motors	Prince	1999	Compact
7	288299	Superior Motors	Colorado	2002	Sedan
8	328151	Rome Motors	Prince	2000	Compact
9	372819	Capital Motors	Alpha	2002	Sedan
10	383921	Milan Motors	Gold	2000	Minivan
11	384422	Superior Motors	Colorado	2002	Sedan
12	422810	Digital Motors	Eagle	2000	SUV
13	429212	Superior Motors	Summer	2001	SUV
14	429333	Naples Motors	Venus	1999	Sedan
15	492190	Naples Motors	Venus	2000	Sedan
16	573532	Capital Motors	Alpha	2002	Sedan
17	584829	Superior Motors	Summer	2000	SUV
18	589020	Superior Motors	Summer	2000	SUV
19	602848	Superior Motors	Star	2000	Compact
20	612999	Naples Motors	Lion	2001	Minivan
21	622991	Superior Motors	Star	1999	Compact
22	682919	Naples Motors	Lion	2001	Minivan
23	682925	Superior Motors	Star	2000	Compact
24	728100	Milan Motors	Mars	2000	Sedan
25	842747	Digital Motors	Eagle	2000	SUV

CUSTOMERS

	⚡ CUSTNUM	⚡ CUSTNAME	⚡ CUSTADDRESS	⚡ CUSTPHONE
1	89287	Zhang	Washington, DC	2025551248
2	133819	Martin	Memphis, TN	9015553290
3	182194	Chen	Los Angeles, CA	2135552142
4	246754	Adams	Memphis, TN	9015553819
5	285028	Perez	Los Angeles, CA	2135552934
6	294827	Baker	Chicago, IL	3125552288
7	381074	Bunker	Miami, FL	3055552982
8	429292	Reddy	Washington, DC	2025552292
9	482910	Baker	New York, NY	2125552819
10	539118	Jackson	Dallas, TX	2145554912
11	592937	Johnson	Chicago, IL	3125552342
12	730282	Jefferson	Miami, FL	3055559124
13	876586	George	Troy, NY	5185552299
14	925820	Stewart	Columbus, OH	6145552821
15	956732	Carter	Memphis, TN	9015552211

MAINTENANCE

	REPAIRNUMBER	CARNUM	REPAIRDATE	REPAIRPROCEDURE	MILEAGE	REPAIRTIMEINMINUTES
1	27381	372819	05-08-2008	Tune-Up	32817	60
2	27472	184737	07-08-2008	Tune-Up	27161	55
3	27556	584829	11-08-2008	Tune-Up	35900	60
4	27622	728100	15-08-2008	Tune-Up	19427	60
5	38201	288299	01-03-2009	Oil Change	34456	15
6	38294	602848	01-03-2009	Oil Change	26635	15
7	38299	384422	01-03-2009	Oil Change	19355	20
8	38305	584829	02-03-2009	Oil Change	25431	15
9	38312	288299	04-03-2009	Tune-Up	34490	65
10	38314	584829	06-03-2009	Tune-Up	25903	60
11	38329	602848	07-03-2009	Oil Change	26900	20
12	38333	589020	12-03-2009	Oil Change	21563	20
13	38347	288299	12-03-2009	Tire Rotation	34593	30
14	38348	589020	15-03-2010	Tune-Up	21904	55
15	38357	429212	16-03-2010	Oil Change	32417	15
16	38362	584829	18-03-2010	Tire Rotation	26854	35
17	38377	602848	21-03-2010	Tire Rotation	27463	30
18	38378	384422	24-03-2010	Tune-Up	24321	60
19	38381	602848	25-03-2010	Radiator Flush	28015	90
20	38385	589020	02-04-2011	Tire Rotation	24231	40
21	46332	288299	05-01-2011	Oil Change	32643	15
22	46543	429212	12-01-2011	Oil Change	35621	15
23	47345	184737	10-01-2011	Oil Change	35786	20
24	47425	429333	22-01-2011	Oil Change	35825	15
25	47572	728100	30-01-2011	Oil Change	36821	15
26	47600	573532	25-01-2011	Oil Change	26317	20
27	47632	602848	12-02-2018	Oil Change	35900	20

MANUFACTURER

	MANUFNAME	COUNTRY	SALESREPNAME	SALESREPPHONE
1	Capital Motors	Japan	Smith	9015551234
2	Cooperative Motors	USA	Barton	6075552323
3	Digital Motors	Japan	Jones	2125554837
4	Milan Motors	Italy	Simpson	5135559900
5	Naples Motors	Italy	Jackson	8095557575
6	Rome Motors	Italy	Johnson	4045551122
7	Superior Motors	USA	Caldwell	2075552888
8	Tokyo Motors	Japan	Williams	2015553811

RENTAL

	↕ CARNUM	↕ CUSTNUM	↕ RENTALDATE	↕ RETURNDATE	↕ RENTALCOST
1	328151	89287	10-12-2010	17-12-2010	265
2	429212	89287	16-11-2008	21-11-2008	264
3	573532	89287	30-05-2010	05-06-2010	275.95
4	328151	133819	21-04-2011	23-04-2011	100
5	328151	133819	21-06-2011	25-06-2011	150
6	612999	246754	21-07-2011	23-07-2011	220
7	842747	246754	12-07-2010	19-07-2010	433.99
8	492190	285028	24-02-2011	26-02-2011	145
9	492190	285028	16-03-2011	21-03-2011	324.56
10	492190	285028	01-05-2011	03-05-2011	90
11	384422	381074	23-05-2010	25-05-2010	157
12	184737	429292	23-05-2010	25-05-2010	143.44
13	842747	429292	28-02-2011	04-03-2011	326
14	49291	592937	20-10-2010	25-10-2010	366
15	283249	592937	12-12-2008	16-12-2008	245.98
16	429212	592937	31-01-2011	02-02-2011	261
17	429212	876586	26-03-2009	29-03-2009	204.89
18	612999	925820	08-07-2010	09-07-2010	158
19	682925	956732	14-09-2009	15-09-2009	75