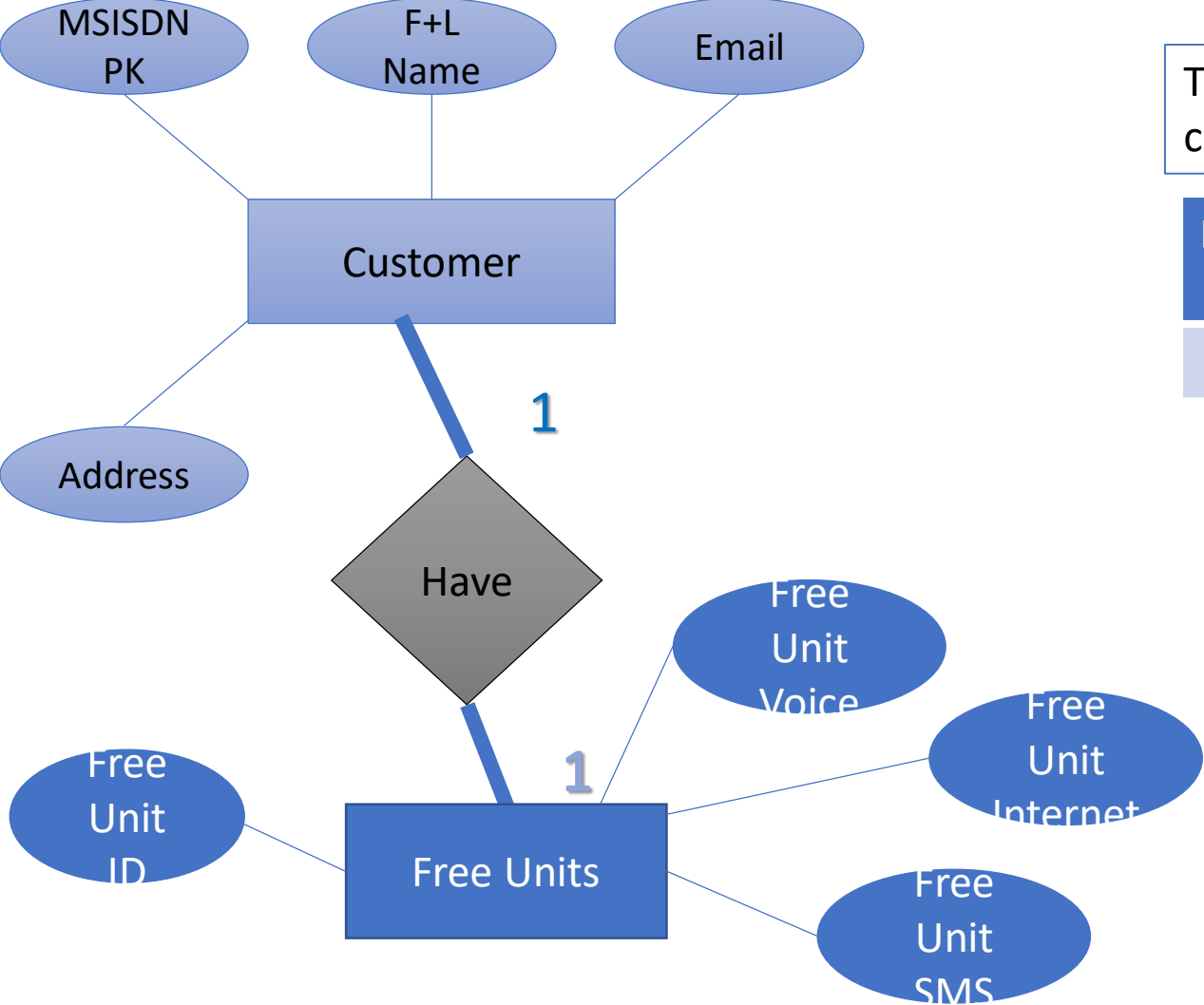


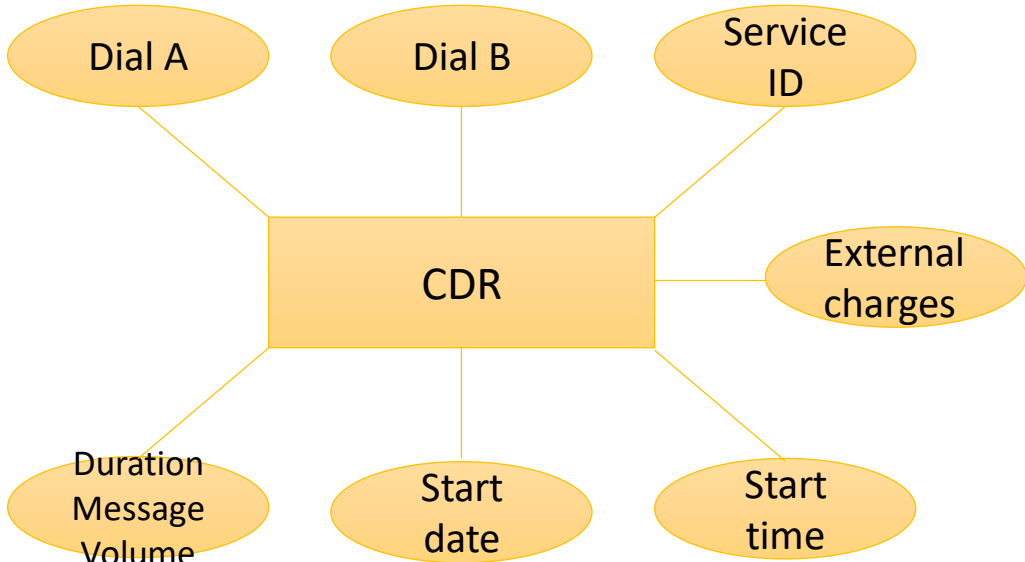
Database Documentation



The Table That shows the relation between the customer and profile

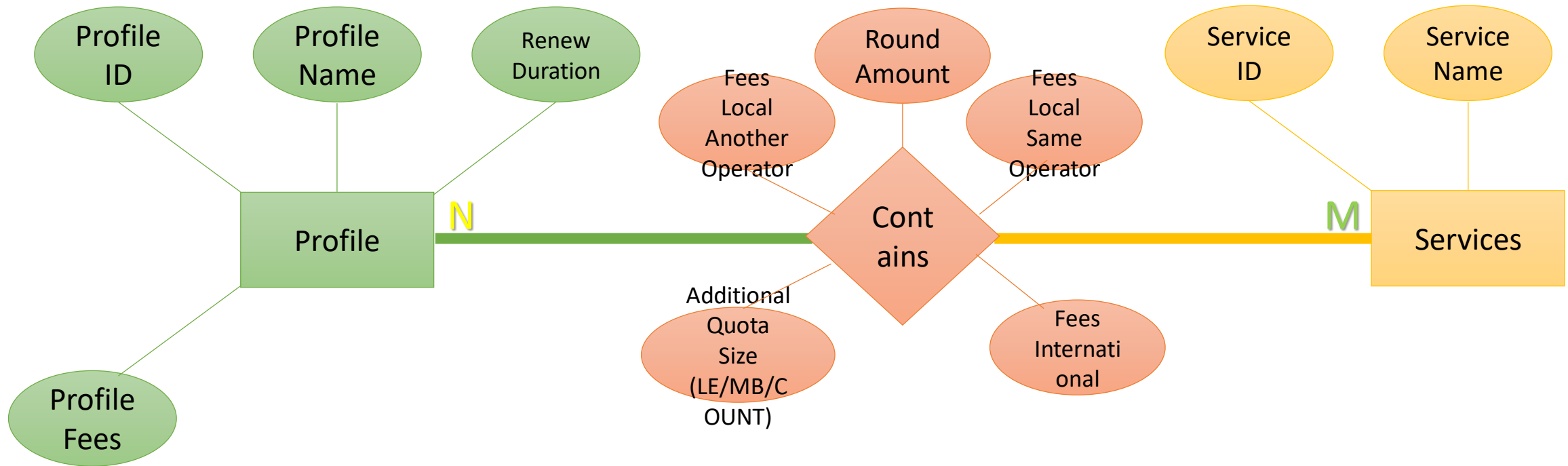
MSISDN	PROFILE ID	Date Of Starting	Date Of Ending	Additional Services

We Can Make A table for all CDRs instead of making a text file, so it will make things easier.



CDR	CDR ID (PK)	Dial A	Dial B	Service ID	Duration Message Volume	Start date	Start time	External charges	Is_Rating
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ERD Diagram



PID	SID	Round Amount	Fees Local Same Operator	Fees Local Another Operator	Fees International	Quota Size For Local (LE/MB/COUNT)	Quota Size For Local another operator (LE/MB/COUNT)	Quota Size For international (LE/MB/COUNT)
1	1	60	0.14	0.19	1.5	1500	500	0
1	2	1	0.14	0.19	1	500	100	10
1	3	1	0.25	0.25	2.5	10000	0	0

Tables

All Fees → float

All Date → text

Customer	MSISDN (PK)	First Name	Last Name	Email	Address
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Service s	Service ID (PK)	Service Name	Is_Recurring	Recurring fees
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Profile	Profile ID (PK)	Profile Name	Renew Duration	Profile Fees	Free Unit ID (FK)
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One Time Service	One Time Service ID (PK)	Service Name	Service Fee
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Free Units	FreeUnit ID (PK)	FreeUnit Voice On Net	FreeUnit Voice Cross Net	FreeUnit SMS On Net	FreeUnit SMS Cross Net	FreeUnit Internet	ProfileID (FK)
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Profile_Services	Profile_Services ID (PK)	Profile ID (FK)	Service ID (FK)	Round Amount	Fees Local Same Operator (FloatValues)	Fees Local Another Operator	Fees International
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OCC	OCC ID (PK)	MSISDN (FK)	One Time Service ID(FK)	One Time Service IS_Processed(Boolean)
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Customer_Profile	Profile Id (FK)	MSISDN (FK)	Date Of Starting Contract	Date Of Ending Contract	Blocked Services (text)	Free Unit Voice On Net	Free Unit Voice Cross Net	Free Unit SMS On Net	Free Unit SMS Cross Net	Free Unit Internet
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Customer_Profile_Services	MSISDN (FK)	Profile ID (FK)	OCC ID (FK)
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Tables 2

CDR	CDR ID (PK)	Dial A	Dial B	Service ID	Duration Message Volume	Start date	Start time	External charges	Is_Rating
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UDR	udr ID (PK)	Profile ID(FK)	Dial A	Dial B	Service ID	Duration Message Volume	Start date	Start time	External charges	isBilled	Cost	Has_freeUnits
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UDR	UDR ID (PK)	CDR Number (FK)	Profile ID (FK)	DialA Fk	Has_FreeUnit	Cost (float)	StartDate
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OCC	OCC ID (PK)	MSISDN (PK)	One Time Service (PK)	One Time Service IS_Processed
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Call

SMS

Internet

00201221234567,00201001234567,1,100,20190301,10:03:20,0