

Database Management Systems

Extra Credit 2: Normalization

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Due: 04/23/2025

Name:

Normalize the below table and give the UML diagram indicating the relationships and keys

PrescriptionNumber	Date	Drug	Dosage	CustomerName	CustomerPhone	CustomerEmailAddress
P10001	10/17/2017	DrugA	10mg	Smith, Alvin	575-523-2233	ASmith@somewhere.com
P10003	10/17/2017	DrugB	35mg	Rhodes, Jeff	575-645-3455	JRhodes@somewhere.com
P10004	10/17/2017	DrugA	20mg	Smith, Sarah	575-523-2233	SSmith@somewhere.com
P10007	10/18/2017	DrugC	20mg	Frye, Michael	575-645-4566	MFrye@somewhere.com
P10010	10/18/2017	DrugB	30mg	Rhodes, Jeff	575-645-3455	JRhodes@somewhere.com

Figure 1: Prescription Database

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Normalize the below table and give the UML diagram indicating the relationships and keys

CUSTOMER_CONTACT										
CustomerID	LastName	FirstName	Address	City	State	ZIP	Phone	Fax	EmailAddress	Remarks
1	Griffey	Ben	5678 25th NE	Seattle	WA	98178	206-456-2345		Ben.Griffey@somewhere.com	Sent general information.
1	Griffey	Ben	5678 25th NE	Seattle	WA	98178	206-456-2345		Ben.Griffey@somewhere.com	General interest in a Gaea.
1	Griffey	Ben	5678 25th NE	Seattle	WA	98178	206-456-2345		Ben.Griffey@somewhere.com	Set up an appointment.
1	Griffey	Ben	5678 25th NE	Seattle	WA	98178	206-456-2345		Ben.Griffey@elsewhere.com	Bought a HiStandard.
1	Griffey	Ben	5678 25th NE	Seattle	WA	98178	206-456-2345		Ben.Griffey@somewhere.com	Sent a standard follow-up message.
3	Christman	Jessica	3456 36th SW	Seattle	WA	98189	206-457-3456		Jessica.Christman@somewhere.com	Interested in a SUHI, set up an appointment.
3	Christman	Jessica	3456 36th SW	Seattle	WA	98189	206-457-3456		Jessica.Christman@somewhere.com	Bought a SUHI.
3	Christman	Jessica	3456 36th SW	Seattle	WA	98189	206-457-3456		Jessica.Christman@somewhere.com	Sent a standard follow-up message.
4	Christman	Rob	4567 47th NW	Seattle	WA	98167	206-478-4567	206-478	Rob.Christman@somewhere.com	Interested in a HiStandard, set up an appointment.
4	Christman	Rob	4567 47th NW	Seattle	WA	98167	206-478-4567	206-478	Rob.Christman@somewhere.com	Talked up to a HiLuxury. Customer bought one.
4	Christman	Rob	4567 47th NW	Seattle	WA	98167	206-478-4567	206-478	Rob.Christman@somewhere.com	Sent a standard follow-up message.
5	Hayes	Judy	234 Highland Place	Edmonds	WA	98210	425-354-8765		Judy.Hayes@somewhere.com	General interest in a Gaea.

Figure 2: People Database

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