CHAPTER 1
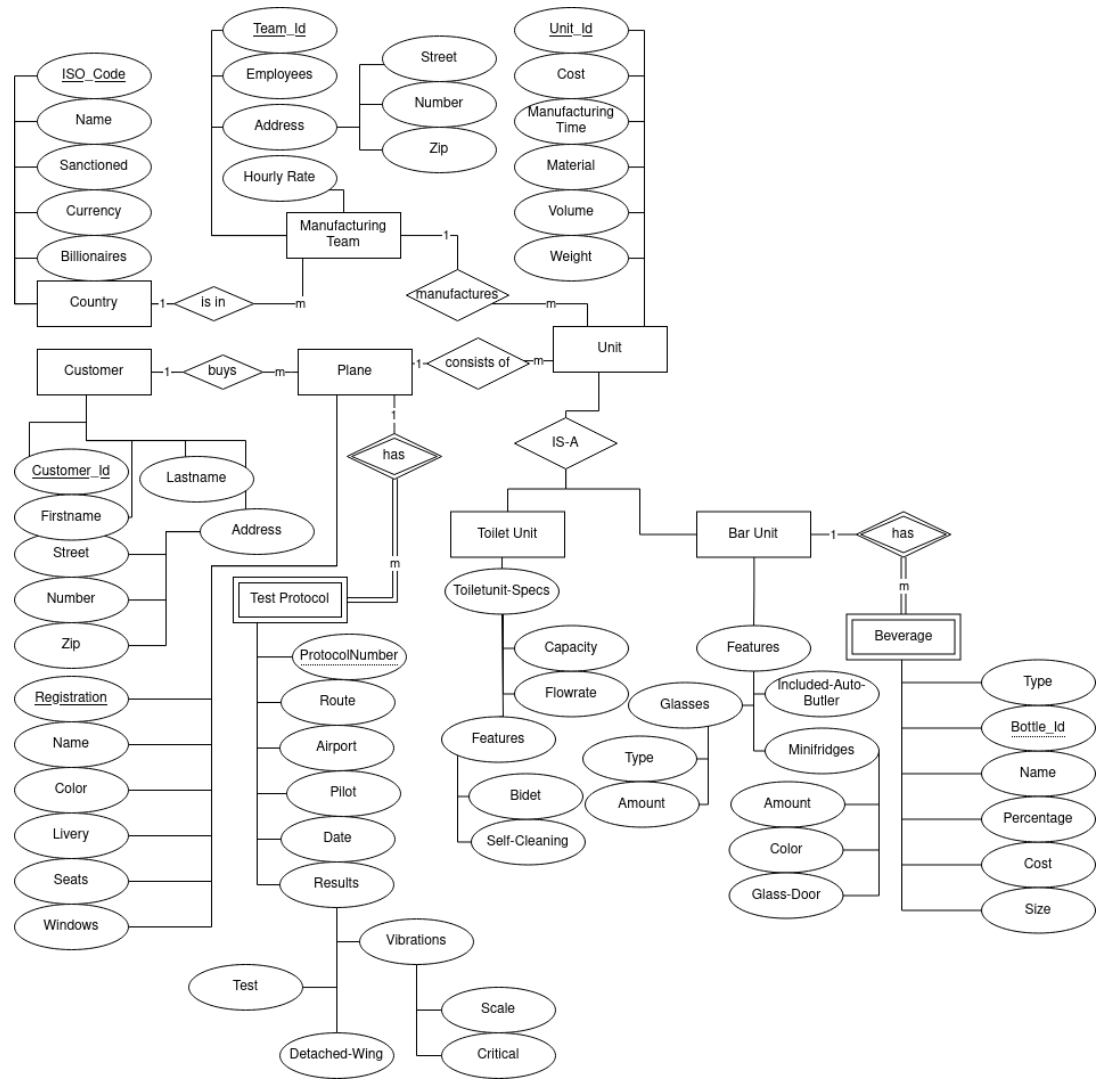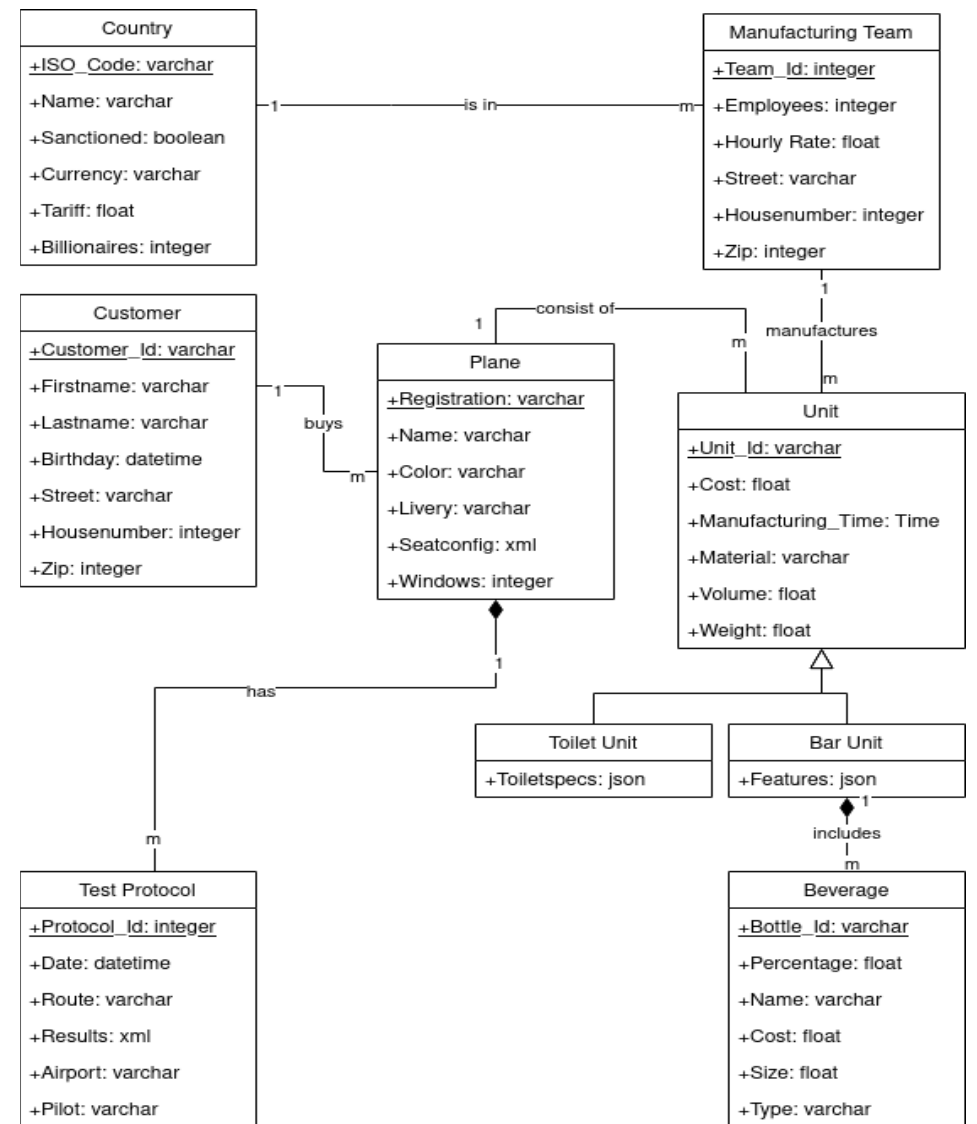
<ER DIAGRAM>   <UML DIAGRAM>

Customer(Customer_Id, Firstname, Lastname, Birthday, Street, Housenumber, Zip)
       PK: Customer_Id
Customers have a firstname and lastname, an address and a birthday. Customers are able to buy multiple planes.

Plane(Registration, *Customer_Id*, Name, Color, Livery, Seats, Windows)
       PK: Registration
       FK: Customer_Id ◊ Customer
Planes have a unique registration and are mapped to one customer. Customers set their planes name, color, livery and decide how many seats and windows the plane is supposed to have.

Country(ISO_Code, Name, Sanctioned, Currency, Tariff, Billionaires)
       PK: ISO_Code
Country is just a lookup table, Countries have a name and additionaly we save if the country is sanctioned, their tariffs, currency and amount of billionaires in the country, so we can tell our lobbyists which country are not to be sanctioned by politicians.

ManufacturingTeam(Team_Id, *ISO_Code*, Employees, Hourly_Rate, Street, Housenumber, Zip)
       PK: Team_Id
       FK: ISO_Code ◊ Country
Manufacturing Teams build the different units for the airplanes, they are based in different countries, also have an address and additionally the hourly rate and number of employees.

ToiletUnit(Unit_Id, *Registration, Team_Id*, Cost, Manufacturing_Time, Material, Volume, Weight, Capacity, Flowrate, Bidet)
       PK: Unit_Id
       FK: Registration ◊ Plane
       FK: Team_Id ◊ ManufacturingTeam
Toilet units are part of an airplane, a plane can have multiple toilet units, they are highly customizable and vary in cost. A toilet unit is made by one manufacturing team for one plane.

BarUnit(Unit_Id, *Registration, Team_Id*, Cost, Manufacturing_Time, Material, Volume, Weight, Minifridges)
       PK: Unit_Id
       FK: Registration ◊ Plane
       FK: Team_Id ◊ ManufacturingTeam
Bar units are similar to toilet units, except they have a number of minifridges installed.

Beverage(*Unit_Id*, Bottle_Id, Percentage, Name, Cost, Size, Type)
       PK: Unit_Id, Bottle_Id
       FK: Unit_Id ◊ BarUnit
Beverages belong to one single bar and have to be destroyed in case the bar unit is discarded, because the plane building company has no license to store alcohol on their premises.

TestProtocol(*Registration*, Protocol_Id, Date, Route, Test, Airport, Pilot)
       PK: Registration, Protocol_Id
       FK: Registration ◊ Pilot
Test protocols are created during each test flight of a specific plane. They include the date, pilot, route, airport and type of test. Test protocols have to be destroyed if a plane is discarded due to regulatory compliance.

Customer

Customer_Id	Firstname	Lastname	Birthday	Street	Housenumber	Zip
1	Paul	Bort	1.1.1990	Wallensteinstraße	124	1200
2	Jack	Mill	2.7.1950	Schottenring	31	1010
3	Pill	Clinton	17.12.1956	Am Garten	2	60528
4	Geoff	Bezos	1.8.1968	Kote Avenue	5146	90210
5	Steve	Bossniak	5.2.1988	531st Street	3	94510

Plane

Registration	Customer_Id	Name	Color	Livery	Seats	Windows
DE156	2	GenericName	White	Eurowhite	50	30
XX512	3	Blaze Machine	White	Eurowhite	3	60
AT130	4	City Hopper	Green	Jelly Bean	46	54
HG503	4	Looking Down	Taupe	Cheatline	124	80
LA450	5	Humblebrag	Gold	Cheatline	200	100

Country

ISO_Code	Name	Sanctioned	Currency	Tariff	Billionaires
AT	Austria	False	EUR	50000	3
DE	Germany	False	EUR	1000	10
DK	Denmark	False	EUR	10	2
US	United States of America	False	USD	500000	120
KP	North Korea	True	KPW	0	1

Manufacturing Team

Team_Id	ISO_Code	Employees	Hourly Rate	Street	Housenumber	Zip
1	AT	50	1500	ABC-Gasse	1	1230
2	AT	100	3000	XYZ-Straße	5	1210
3	DE	30	1000	Industriestraße	50	63414
4	US	20	8000	Industrystreet	6481	98101
5	US	50	6000	Plane Boulevard	6447	98208

ToiletUnit

Unit_Id	Registration	Team_Id	Cost	Manufacturing_Time	Material	Volume	Weight	Capacity	Flowrate	Bidet
1	XX512	2	50000	02:50	Wood	6500	500	10	5	True
2	XX512	4	60000	03:45	Wood	8500	640	20	3	True
3	LA450	1	85000	04:15	Chrome	4500	758	26	6	False
4	LA450	3	134000	06:30	Plastic	9600	587	29	2	False
5	DE156	1	860000	72:00	Gold	7800	672	48	1	True

BarUnit

Unit_Id	Registration	Team_Id	Cost	Manufacturing_Time	Material	Volume	Weight	Minifridges
1	XX512	2	50000	02:50	Wood	6500	500	5
2	XX512	4	60000	03:45	Wood	8500	640	3
3	LA450	1	85000	04:15	Chrome	4500	758	5
4	LA450	3	134000	06:30	Plastic	9600	587	10
5	DE156	1	860000	72:00	Gold	7800	672	2

Beverage

Unit_id	Bottle_id	Percentage	Name	Cost	Size	Type
1	a	40	Stolichnaya	20	1	Vodka
1	b	30	The Botanist	40	0.75	Gin
2	a	5	GenericBeer	50	0.33	Beer
2	b	5	GenericBeer	80	0.5	Beer
4	a	40	Bombay Sapphire	25	0.75	Gin

TestProtocol

Registration	Protocol_Id	Date	Route	Test	Airport	Pilot
XX512	a	2.7.2021	Open Sea	High-G	FRA	Jack Mullvad
XX512	b	1.1.2022	Alps	Instrument-Test	VIE	Jack Mullvad
LA450	a	17.12.2021	Open Sea	High-G	FRA	Jack Mullvad
LA450	b	1.3.2022	Alps	Instrument-Test	VIE	Peter Donnerballer
DE156	a	5.2.2022	Open Sea	Barrelroll-Test	VIE	Peter Donnerballer

Country table

```
iop=> select * from country;
 iso_code |            countryname            | sanctioned | currency |  tariff  | billionaires
----------+-----------------------------------+------------+----------+----------+--------------
 XX       | Fallbackistan                     | f          | XXX      | 50000000 |            1
 AF       | Afghanistan                       | f          | AFN      |   384751 |           24
 AL       | Albania                           | f          | ALL      |   192161 |           22
 DZ       | Algeria                           | f          | DZD      |   221427 |           43
 AS       | American samoa                    | f          | USD      |   742126 |           14
 AD       | Andorra                           | f          | EUR      |   713359 |           23
 AO       | Angola                            | f          | AOA      |   682787 |           33
 AI       | Anguilla                          | f          | XCD      |   418579 |           15
 AQ       | Antarctica                        | f          |          |   240699 |            7
 AG       | Antigua and barbuda               | f          | XCD      |   965890 |           37
 AR       | Argentina                         | f          | ARS      |   223232 |            2
 AM       | Armenia                           | f          | AMD      |   689460 |            1
 AW       | Aruba                             | f          | AWG      |   542050 |           49
 AU       | Australia                         | f          | AUD      |   240947 |           13
 AT       | Austria                           | f          | EUR      |   763121 |           12
 AZ       | Azerbaijan                        | f          | AZM      |   248472 |            8
 BS       | Bahamas                           | f          | BSD      |   782951 |            4
 BH       | Bahrain                           | f          | BHD      |   477777 |           33
 BD       | Bangladesh                        | f          | BDT      |   128811 |           35
 BB       | Barbados                          | f          | BBD      |   669795 |           28
 BY       | Belarus                           | f          | BYR      |   160319 |           43
 BE       | Belgium                           | f          | EUR      |   337821 |            9
 BZ       | Belize                            | f          | BZD      |   927025 |           39
 BJ       | Benin                             | f          | XOF      |   891373 |            3
 BM       | Bermuda                           | f          | BMD      |   372144 |           33
 BT       | Bhutan                            | f          | INR      |   988873 |           30
 BO       | Bolivia                           | f          | BOB      |   761728 |            6
 BA       | Bosnia and herzegovina            | f          | BAM      |   489205 |           45
 BW       | Botswana                          | f          | BWP      |   936161 |            9
 BV       | Bouvet island                     | f          | NOK      |   614037 |           34
 BR       | Brazil                            | t          | BRL      |   776637 |           36
 IO       | British indian ocean territory    | f          | USD      |   640447 |           22
 BN       | Brunei                            | f          | BND      |   719759 |           21
```

Customer table

```
iop=> select * from customer;
 customerid |   firstname   |  lastname   |  birthday  |        street        | housenumber |  zip  |        city
------------+---------------+-------------+------------+----------------------+-------------+-------+----------------------
          1 | Alica         | Cain        | 1945-07-25 | Brent Manors         |         410 | 81715 | Erikaton
          2 | Annabella     | Houston     | 1991-05-28 | Philip Mountain      |          52 | 56355 | Sarabury
          3 | Johanna       | Ritter      | 1972-09-11 | Stacey Villages      |         138 | 38639 | Emmamouth
          4 | Peer          | Hood        | 1946-12-07 | Cardenas Flats       |         364 | 68489 | Kristinaberg
          5 | Fatma         | Peter       | 1988-11-06 | Walker Mall          |         241 | 54372 | Brittneyburgh
          6 | Michelle      | Oliver      | 1994-06-16 | Anthony Grove        |         198 | 16105 | Lozanostad
          7 | Jim           | Lawrence    | 1999-07-20 | Valdez Landing       |         451 | 48238 | Richmouth
          8 | Ian           | Houston     | 1943-08-10 | Robbins Mount        |         451 | 19090 | Laurenville
          9 | Nelio         | Graf        | 1963-02-14 | Trevor Mountain      |         459 | 69203 | New Carla
         10 | Svea          | Vargas      | 1998-01-05 | Jamie Greens         |         268 | 49139 | Mitchellville
         11 | Paula         | Wilcox      | 1974-08-21 | Timothy Vista        |         216 | 99063 | Port David
         12 | Anouk         | Puntigamer  | 1963-10-20 | Donaldson Inlet      |         245 | 34429 | South Kyle
         13 | Nino          | Hess        | 1982-07-28 | Sherman Estate       |         285 | 73261 | Thompsonshire
         14 | Justus        | Mueller     | 1963-03-15 | Garcia Trail         |         368 | 77870 | South Elizabethhaven
         15 | Julius        | Williamson  | 1962-04-09 | Emily Crest          |         342 | 92266 | East Mark
         16 | Melinda       | Rhodes      | 1948-08-31 | Matthew Light        |           8 | 19112 | East Markchester
         17 | Mason         | Larsen      | 1969-03-16 | West Bypass          |         404 | 83694 | Johnstad
         18 | Benno         | Espinoza    | 1974-01-18 | Townsend Village     |          95 | 49872 | Danielburgh
         19 | Konrad        | Watts       | 1965-05-18 | Cantrell Island      |          58 | 54464 | Lake Samantha
         20 | James         | Armold      | 1975-06-05 | Mary Via             |         188 |  8972 | Port Sonyamouth
         21 | Sarah         | Sims        | 1951-02-28 | Norman Well          |         342 | 12982 | Port Amy
         22 | Cataleya      | Harmon      | 1968-02-04 | Carrie Heights       |         445 | 74759 | Hannahton
         23 | Mieke         | Medina      | 1977-01-27 | Danielle Circles     |          92 | 38419 | Christinefurt
         24 | Adriana       | Johnston    | 1987-03-07 | Morgan Burg          |         364 | 22304 | North Tiffany
         25 | Stina         | Matthews    | 1966-08-04 | Knight Ridge         |          30 | 82721 | Port Lorraineton
         26 | Esther        | Bachmann    | 1975-11-13 | Kelly View           |          20 | 14845 | Adamton
         27 | Aurelie       | Vasquez     | 1968-09-25 | Porter Burg          |         299 | 44653 | Margaretton
         28 | Tammo         | Mullins     | 1956-01-07 | Mary Lodge           |         195 | 88303 | Jasonville
         29 | Kuzey         | Schmidt     | 1995-10-30 | Garcia Ridge         |         166 | 42660 | Nashland
         30 | Liz           | Dawson      | 1999-07-21 | Jennifer Pike        |         156 |  4058 | Lake James
         31 | Laurin        | Gallegos    | 1986-04-24 | Bradley Inlet        |         150 |   794 | West Darleneshire
         32 | Nadine        | Duncan      | 1952-09-28 | Sparks Avenue        |         490 | 67960 | Port Tommy
         33 | Marten        | Glover      | 1987-04-17 | Krystal Rue          |         285 | 67233 | West Jacobmouth
```

Plane table

```
iop=> select * from plane;
 registration | customerid |      planename       | color  |   livery    | wingtips | numwindows |                                                                                                     seats
--------------+------------+----------------------+--------+-------------+----------+------------+----------------------------------------------------------------------------------------------------------------------------------------------------------------------------
 ZUL9591      |        366 | KUMKYZMDSFOATCSKZZJW | green  | billboard   | t        |        110 | <seatconfig><seat compartment="eco" cover="fabric"><amount>26</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>17</amount><tv>true</tv></seat><seat compartment="first" cover="leather
"><amount>2</amount><tv>true</tv></seat><brand>Recaro</brand></seatconfig>
 BHX2355      |        460 | VSFDFSOUFVZSEWZGIHGI | green  | all-over color | t     |         23 | <seatconfig><seat compartment="eco" cover="fabric"><amount>16</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>18</amount><tv>true</tv></seat><seat compartment="first" cover="leather
"><amount>6</amount><tv>true</tv></seat><brand>Recaro</brand></seatconfig>
 ZXS6278      |         17 | KORZBXYFGYWOVYOQHPKA | gray   | hockey stick | t       |        106 | <seatconfig><seat compartment="eco" cover="fabric"><amount>29</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>19</amount><tv>true</tv></seat><seat compartment="first" cover="leather
"><amount>2</amount><tv>true</tv></seat><brand>Recaro</brand></seatconfig>
 EIB1122      |        745 | DHFBEBKOIVABRJETHOTK | green  | cheatline   | t        |        119 | <seatconfig><seat compartment="eco" cover="fabric"><amount>74</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>16</amount><tv>true</tv></seat><seat compartment="first" cover="leather
"><amount>5</amount><tv>true</tv></seat><brand>Recaro</brand></seatconfig>
 HXM6779      |        675 | FCYWMRYCCNEGVXEPCPIR | green  | jelly bean  | t        |         60 | <seatconfig><seat compartment="eco" cover="fabric"><amount>23</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>16</amount><tv>true</tv></seat><seat compartment="first" cover="leather
"><amount>2</amount><tv>true</tv></seat><brand>Recaro</brand></seatconfig>
 FQP7229      |        206 | XBFRFNKQWKKVTBZMMYUT | silver | hockey stick | f       |         87 | <seatconfig><seat compartment="eco" cover="fabric"><amount>33</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>20</amount><tv>true</tv></seat><seat compartment="first" cover="leather
"><amount>4</amount><tv>true</tv></seat><brand>Recaro</brand></seatconfig>
 FMW3282      |        647 | WEQXWNZGONLYVLMGLBBG | olive  | hockey stick | f       |        117 | <seatconfig><seat compartment="eco" cover="fabric"><amount>31</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>23</amount><tv>true</tv></seat><seat compartment="first" cover="leather
"><amount>6</amount><tv>true</tv></seat><brand>Recaro</brand></seatconfig>
 YUM0139      |        290 | ENXUDCYWWUUPDXVECEXB | navy   | jelly bean  | t        |         98 | <seatconfig><seat compartment="eco" cover="fabric"><amount>74</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>29</amount><tv>true</tv></seat><seat compartment="first" cover="leather
"><amount>2</amount><tv>true</tv></seat><brand>Recaro</brand></seatconfig>
 LNY0431      |        522 | NJTNTEGCNNRQRCLLQDMU | purple | jelly bean  | t        |        116 | <seatconfig><seat compartment="eco" cover="fabric"><amount>12</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>22</amount><tv>true</tv></seat><seat compartment="first" cover="leather
"><amount>3</amount><tv>true</tv></seat><brand>Recaro</brand></seatconfig>
 EUH6481      |        402 | YYFKUVUNPGNQMIBJGMFE | yellow | bare metal  | t        |         56 | <seatconfig><seat compartment="eco" cover="fabric"><amount>39</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>9</amount><tv>true</tv></seat><seat compartment="first" cover="leather"
><amount>7</amount><tv>true</tv></seat><brand>Recaro</brand></seatconfig>
 SAI1679      |        658 | FJIDAEMWVJEQTEMWWCOA | silver | bare metal  | f        |         34 | <seatconfig><seat compartment="eco" cover="fabric"><amount>26</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>15</amount><tv>true</tv></seat><seat compartment="first" cover="leather
"><amount>4</amount><tv>true</tv></seat><brand>Recaro</brand></seatconfig>
 NBG6285      |        478 | CRYYWHRYJLFZRKNYWZXO | purple | jelly bean  | t        |         79 | <seatconfig><seat compartment="eco" cover="fabric"><amount>76</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>21</amount><tv>true</tv></seat><seat compartment="first" cover="leather
"><amount>4</amount><tv>true</tv></seat><brand>Recaro</brand></seatconfig>
 YWJ3891      |        633 | QFVVELVKZEHAPHBIWTKS | white  | billboard   | f        |         92 | <seatconfig><seat compartment="eco" cover="fabric"><amount>52</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>9</amount><tv>true</tv></seat><seat compartment="first" cover="leather"
><amount>7</amount><tv>true</tv></seat><brand>Recaro</brand></seatconfig>
 WLM4530      |        272 | QZFWRMFPASMVDGPBXYDU | lime   | retro       | t        |         97 | <seatconfig><seat compartment="eco" cover="fabric"><amount>30</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>11</amount><tv>true</tv></seat><seat compartment="first" cover="leather
"><amount>2</amount><tv>true</tv></seat><brand>Recaro</brand></seatconfig>
 GZH8091      |        707 | MSSHSXUXKETULTNHAETD | teal   | bare metal  | f        |         93 | <seatconfig><seat compartment="eco" cover="fabric"><amount>20</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>28</amount><tv>true</tv></seat><seat compartment="first" cover="leather
"><amount>4</amount><tv>true</tv></seat><brand>Recaro</brand></seatconfig>
 TTA2555      |        657 | KHOOUFWTYDXMJRPRWYOL | lime   | retro       | t        |        109 | <seatconfig><seat compartment="eco" cover="fabric"><amount>57</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>22</amount><tv>true</tv></seat><seat compartment="first" cover="leather
"><amount>5</amount><tv>true</tv></seat><brand>Recaro</brand></seatconfig>
 BCA8609      |        325 | XHBMELZMLPFRTNOZZNDD | olive  | hockey stick | t       |         29 | <seatconfig><seat compartment="eco" cover="fabric"><amount>31</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>16</amount><tv>true</tv></seat><seat compartment="first" cover="leather
"><amount>4</amount><tv>true</tv></seat><brand>Recaro</brand></seatconfig>
 DML2843      |        390 | QHVDTIIOPZLWXOEADKFR | lime   | billboard   | t        |         78 | <seatconfig><seat compartment="eco" cover="fabric"><amount>26</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>12</amount><tv>true</tv></seat><seat compartment="first" cover="leather
"><amount>7</amount><tv>true</tv></seat><brand>Recaro</brand></seatconfig>
 PZM9500      |        604 | ECRCYIQLDPZYLKBOQZQA | aqua   | eurowhite   | f        |        113 | <seatconfig><seat compartment="eco" cover="fabric"><amount>56</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>18</amount><tv>true</tv></seat><seat compartment="first" cover="leather
"><amount>4</amount><tv>true</tv></seat><brand>Recaro</brand></seatconfig>
 XYV0919      |        297 | OFVGOZRIYZNQGAIHXDSM | white  | cheatline   | t        |         63 | <seatconfig><seat compartment="eco" cover="fabric"><amount>79</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>19</amount><tv>true</tv></seat><seat compartment="first" cover="leather
"><amount>2</amount><tv>true</tv></seat><brand>Recaro</brand></seatconfig>
 ZYW8577      |        322 | LYLJTWPBBKPMBDFVFUQT | gray   | retro       | f        |         92 | <seatconfig><seat compartment="eco" cover="fabric"><amount>16</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>8</amount><tv>true</tv></seat><seat compartment="first" cover="leather"
><amount>2</amount><tv>true</tv></seat><brand>Recaro</brand></seatconfig>
 QNM6182      |        539 | PUUBQWTIJSOEIFEJRZYQ | teal   | bare metal  | f        |         81 | <seatconfig><seat compartment="eco" cover="fabric"><amount>51</amount><tv>false</tv></seat><seat compartment="business" cover="fabric"><amount>20</amount><tv>true</tv></seat><seat compartment="first" cover="leather
```

```
iop=> select * from manufacturingteam;
```

teamid	iso_code	employees	hourlyrate	street	housenumber	zip
1	EG	10	177.42	Julia Islands	357	3849
2	SB	12	194.38	Roy Keys	473	27234
3	MU	9	156.49	Penny Views	358	50620
4	SV	3	203.13	Brown Springs	35	72436
5	UG	11	82.74	Davis Rue	216	42319
6	FM	7	248.1	Michelle Knoll	319	92893
7	GB	18	225.13	Nicole Mall	192	78336
8	SA	12	79.04	James Shoal	45	45753
9	VE	10	160.34	Lane Station	409	72521
10	LA	8	77.89	Adam Parks	52	44319
11	HU	6	246.48	Heather Hollow	206	45676
12	TR	19	226.74	Wright Track	345	44933
13	IL	11	100	Anderson Mountains	475	95659
14	CO	11	92.09	Martin Trafficway	23	9470
15	BE	15	79.91	Sherry Crest	80	59411
16	SB	11	116.37	Brown Mountain	62	12793
17	GY	5	165.62	Michael Springs	411	33741
18	AG	9	171.4	Rivera Track	444	46075
19	NZ	17	120.58	Glenn Mews	152	61742
20	AM	3	72.01	Ford Stravenue	443	2229
21	MH	18	237.13	Velasquez Canyon	451	61735
22	SM	17	87.85	Denise Hollow	242	93247
23	CM	13	202.44	Jennifer Summit	127	28707
24	TM	19	157.33	Alvarado Neck	67	49924
25	TT	4	231.26	Jimenez Summit	163	2758
26	MN	15	239.21	Catherine View	288	36505
27	AU	16	52.96	Mark Hill	139	13786
28	HT	6	76.52	William Run	251	80386
29	KI	9	130.04	Michael Parks	103	60869
30	HU	12	157.67	Chad Lake	314	28311
31	ID	19	247.85	Barr Neck	124	18741
32	KZ	6	83.82	Lee Oval	198	58100
33	RO	9	230.29	Hayes Lodge	227	50084

Barunit table

```
iop=> select * from barunit;
```

unitid	registration	teamid	cost	manufacturingtime	material	unitvolume	unitweight	features
bfcd6498-6714-49be-9cc4-368f381e69c0	QVJ7631	762	102760.15	13:15:00	gold	9.86	408.81	{"barunit-features": {"minifridges": {"amount": "5", "color": "navy", "glass-door": "True"}, "glasses": {"type": "martini", "amount": "77"}, "included-auto-butler": "True"}}
699b9202-0abb-4cb9-b66e-d64594630ba8	RKC6925	148	77378.93	23:40:00	gold	13.32	484.27	{"barunit-features": {"minifridges": {"amount": "5", "color": "teal", "glass-door": "False"}, "glasses": {"type": "wine glass", "amount": "15"}, "included-auto-butler": "False"}}
378afdd8-4849-4d3d-a6f2-00fc7c9cfeb6	GJY9585	507	37075.96	15:14:00	gold	7.03	486.52	{"barunit-features": {"minifridges": {"amount": "8", "color": "green", "glass-door": "False"}, "glasses": {"type": "beer", "amount": "55"}, "included-auto-butler": "True"}}
8c0ca08d-6ead-4434-a6ac-9be04ce2d36e	NZV0612	439	86238.64	13:21:00	gold	10.32	214.01	{"barunit-features": {"minifridges": {"amount": "9", "color": "white", "glass-door": "True"}, "glasses": {"type": "collins", "amount": "22"}, "included-auto-butler": "False"}}
9a8ce73f-6e52-422b-b5da-943075aa01e1	XVP1339	729	66726.3	21:49:00	frottee	10.02	296.21	{"barunit-features": {"minifridges": {"amount": "9", "color": "silver", "glass-door": "True"}, "glasses": {"type": "old fashioned", "amount": "81"}, "included-auto-butler": "False"}}
0c2cd7b8-0227-41ef-8f0c-f07336dfbc47	ZKA0960	396	24351.25	07:35:00	steel	7.9	270.17	{"barunit-features": {"minifridges": {"amount": "9", "color": "yellow", "glass-door": "False"}, "glasses": {"type": "beer", "amount": "55"}, "included-auto-butler": "False"}}
b571a475-fe26-46b2-8996-9619f3ac4471	CXO6128	129	131557.85	13:54:00	steel	5.4	430.36	{"barunit-features": {"minifridges": {"amount": "8", "color": "fuchsia", "glass-door": "True"}, "glasses": {"type": "beer", "amount": "67"}, "included-auto-butler": "False"}}
8b91fce2-4efb-4411-a33a-6ed7920d2a71	KJJ3789	452	47311.77	14:14:00	chrome	5.55	405.76	{"barunit-features": {"minifridges": {"amount": "8", "color": "green", "glass-door": "False"}, "glasses": {"type": "mug", "amount": "65"}, "included-auto-butler": "False"}}
85b1aa6e-d504-40fb-a4c1-7a4c44a7d84f	LIS7670	648	82491.84	13:19:00	wood	4.68	318.51	{"barunit-features": {"minifridges": {"amount": "8", "color": "fuchsia", "glass-door": "False"}, "glasses": {"type": "beer", "amount": "81"}, "included-auto-butler": "False"}}
16890912-b18c-44e9-9aaf-8bba54047422	NAF3037	139	75534.72	04:39:00	frottee	6.49	313.68	{"barunit-features": {"minifridges": {"amount": "5", "color": "silver", "glass-door": "False"}, "glasses": {"type": "mug", "amount": "57"}, "included-auto-butler": "False"}}
04265501-d565-4fe8-8f9c-6657500f733c	WSS3739	275	47445.94	07:14:00	gold	5.94	164.15	{"barunit-features": {"minifridges": {"amount": "7", "color": "navy", "glass-door": "True"}, "glasses": {"type": "flute", "amount": "13"}, "included-auto-butler": "False"}}
4f76c8a8-7595-4efb-bb64-db44a4289f09	AHV9612	130	140216.35	11:11:00	chrome	5.29	148.39	{"barunit-features": {"minifridges": {"amount": "9", "color": "blue", "glass-door": "False"}, "glasses": {"type": "martini", "amount": "45"}, "included-auto-butler": "False"}}
d3ec9131-af67-4c6b-a5d9-77f2f519d23f	NRL6180	443	67497.26	22:10:00	leather	9.05	385.02	{"barunit-features": {"minifridges": {"amount": "5", "color": "lime", "glass-door": "False"}, "glasses": {"type": "collins", "amount": "71"}, "included-auto-butler": "False"}}
e7320e59-0424-4c2d-aa61-21283050bf70	TIT2423	194	94184.48	19:55:00	frottee	4.21	100.39	{"barunit-features": {"minifridges": {"amount": "7", "color": "lime", "glass-door": "False"}, "glasses": {"type": "wine glass", "amount": "61"}, "included-auto-butler": "False"}}
ba94b284-c2c0-4361-857a-d072e3d80c5	DAE7858	376	27653.34	20:09:00	frottee	14.17	249.78	{"barunit-features": {"minifridges": {"amount": "8", "color": "gray", "glass-door": "True"}, "glasses": {"type": "mug", "amount": "64"}, "included-auto-butler": "False"}}
2850eadb-5746-433f-9ce8-5cc99b8587e6	JAC1390	258	82889.35	13:48:00	frottee	12.7	234.14	{"barunit-features": {"minifridges": {"amount": "5", "color": "olive", "glass-door": "False"}, "glasses": {"type": "high ball", "amount": "18"}, "included-auto-butler": "False"}}
71f78b93-bd53-424d-9fa3-c73f91fe43a8	LLZ1595	406	65649.91	19:39:00	wood	13.19	244.71	{"barunit-features": {"minifridges": {"amount": "7", "color": "aqua", "glass-door": "False"}, "glasses": {"type": "flute", "amount": "16"}, "included-auto-butler": "False"}}
c3cf2d7d-9915-418a-b688-ae8e10289d8b	ECY8429	215	71056.5	14:03:00	gold	11.79	273.6	{"barunit-features": {"minifridges": {"amount": "9", "color": "maroon", "glass-door": "True"}, "glasses": {"type": "pint", "amount": "93"}, "included-auto-butler": "False"}}
c6d86342-b8fb-43e2-ad2f-4a226cc7edd5	RGW9491	32	22208.49	21:34:00	wood	8.29	303.02	{"barunit-features": {"minifridges": {"amount": "9", "color": "fuchsia", "glass-door": "False"}, "glasses": {"type": "flute", "amount": "27"}, "included-auto-butler": "True"}}
5ebea2bd-1dcb-40cf-9a88-d0def4ae4f31	WNN8668	200	29043.83	20:06:00	metal	11.98	475.82	{"barunit-features": {"minifridges": {"amount": "7", "color": "fuchsia", "glass-door": "True"}, "glasses": {"type": "wine glass", "amount": "62"}, "included-auto-butler": "False"}}
f5bf5839-e0cd-400d-ad84-5b09d3f277 0d	NBT3014	445	128516.41	07:20:00	steel	6.81	395.16	{"barunit-features": {"minifridges": {"amount": "9", "color": "fuchsia", "glass-door": "False"}, "glasses": {"type": "beer", "amount": "25"}, "included-auto-butler": "False"}}
c81b8e7c-b940-42fb-b184-5f830976743a	YPU9540	460	60130.38	06:30:00	frottee	12.84	360.61	{"barunit-features": {"minifridges": {"amount": "9", "color": "olive", "glass-door": "True"}, "glasses": {"type": "beer", "amount": "24"}, "included-auto-butler": "False"}}
d41ee3e3-8972-4ecf-bc93-3c11712b947f	ZPF8140	635	135262.68	08:17:00	gold	12.27	100.5	{"barunit-features": {"minifridges": {"amount": "7", "color": "lime", "glass-door": "False"}, "glasses": {"type": "wine glass", "amount": "48"}, "included-auto-butler": "False"}}
872d7895-a58d-4674-9184-e9fb3d00cc4b	UYQ2922	595	136731.02	20:36:00	chrome	14.24	420.28	{"barunit-features": {"minifridges": {"amount": "7", "color": "blue", "glass-door": "True"}, "glasses": {"type": "flute", "amount": "50"}, "included-auto-butler": "False"}}
f7cf50e9-8882-432b-aca8-60b746fd33e6	ZEU7623	669	116759.18	08:52:00	wood	11.85	306.9	{"barunit-features": {"minifridges": {"amount": "8", "color": "white", "glass-door": "True"}, "glasses": {"type": "beer", "amount": "20"}, "included-auto-butler": "False"}}
1da2f10d-f051-488d-b67a-05e7dbb8619f	UXD0259	259	25278.15	04:17:00	steel	6.48	124.51	{"barunit-features": {"minifridges": {"amount": "8", "color": "black", "glass-door": "False"}, "glasses": {"type": "pint", "amount": "35"}, "included-auto-butler": "False"}}
6e3b7903-07b3-44b0-84b6-7fba049d45c2	CXN5735	53	144528.68	20:43:00	steel	3.86	387.77	{"barunit-features": {"minifridges": {"amount": "9", "color": "blue", "glass-door": "True"}, "glasses": {"type": "martini", "amount": "52"}, "included-auto-butler": "False"}}
f526ac96-62c9-4256-8593-c512fa0ba482	BZQ1740	711	107402.86	10:31:00	wood	13.69	127.05	{"barunit-features": {"minifridges": {"amount": "7", "color": "teal", "glass-door": "False"}, "glasses": {"type": "old fashioned", "amount": "97"}, "included-auto-butler": "False"}}
9d17d4f4-a743-4685-a600-4a2d6f2e2fd8	CGZ8455	123	81038.48	02:11:00	leather	12.68	425.38	{"barunit-features": {"minifridges": {"amount": "9", "color": "olive", "glass-door": "True"}, "glasses": {"type": "martini", "amount": "66"}, "included-auto-butler": "False"}}
71c52629-91a4-4666-b287-9cbc2935211f	FNX7397	474	133600.64	09:53:00	gold	9.55	282.41	{"barunit-features": {"minifridges": {"amount": "7", "color": "yellow", "glass-door": "True"}, "glasses": {"type": "pint", "amount": "72"}, "included-auto-butler": "False"}}
1052a5ef-b197-4f75-9504-97e2bb535ce0	AMK8245	770	131164.16	23:44:00	chrome	7.61	425.99	{"barunit-features": {"minifridges": {"amount": "6", "color": "maroon", "glass-door": "False"}, "glasses": {"type": "old fashioned", "amount": "89"}, "included-auto-butler": "False"}}

Toiletunit table

```
iop=> select * from toiletunit;
```

unitid	registration	teamid	cost	manufacturingtime	material	capacity	flowrate	toiletspecs
c7222632-3b97-4946-86d2-4d91c7231cef	VES1515	437	110408.46	23:00:00	steel	18.17	4.59	{"toiletunit-specs": {"unitvolume": "11.37", "unitweight": "296.56", "features": {"bidet": "True", "self-cleaning": "False"}}}
cdba5421-0e89-4072-bb30-15f0b268cf1e	DAE7858	455	49914.82	23:40:00	steel	10.24	3.32	{"toiletunit-specs": {"unitvolume": "12.98", "unitweight": "249.02", "features": {"bidet": "False", "self-cleaning": "False"}}}
6e693489-9eb2-4de5-a345-6584700a2063	EYM5910	532	127625.69	12:15:00	chrome	7.19	3.61	{"toiletunit-specs": {"unitvolume": "8.8", "unitweight": "288.72", "features": {"bidet": "True", "self-cleaning": "True"}}}
d2ed2eb9-d9a7-4022-bdc0-7305c7aaa89b	MBS1349	761	44178.38	00:31:00	chrome	15.71	2.87	{"toiletunit-specs": {"unitvolume": "10.2", "unitweight": "223.97", "features": {"bidet": "False", "self-cleaning": "True"}}}
56d83a91-82d3-48b0-9e7d-87a183a75f5d	UQG6504	112	78305.38	21:16:00	frottee	15.26	3.68	{"toiletunit-specs": {"unitvolume": "8.53", "unitweight": "237.1", "features": {"bidet": "False", "self-cleaning": "True"}}}
be25f6b8-d404-4e7c-93c6-ed8976d9961f	BQN6585	472	128467.45	17:40:00	metal	8.41	3.13	{"toiletunit-specs": {"unitvolume": "6.63", "unitweight": "148.28", "features": {"bidet": "False", "self-cleaning": "False"}}}
f9009d1b-118d-4dbe-a089-3583212ed3aa	YZO9169	332	139182.7	13:17:00	leather	10.6	2.82	{"toiletunit-specs": {"unitvolume": "6.14", "unitweight": "427.55", "features": {"bidet": "False", "self-cleaning": "False"}}}
166335a1-a03a-4bb6-a4bb-ca00d6ed8899	YVB9563	522	132639.88	09:27:00	gold	18.7	4.33	{"toiletunit-specs": {"unitvolume": "7.24", "unitweight": "184.65", "features": {"bidet": "False", "self-cleaning": "False"}}}
754d6b90-1486-4f45-bf25-3ea7a1f7f733	ZWP5988	575	94324.82	17:49:00	gold	10.91	2.7	{"toiletunit-specs": {"unitvolume": "6.68", "unitweight": "267.84", "features": {"bidet": "True", "self-cleaning": "True"}}}
86434b21-bb49-4a23-ad5c-fcb9ec0337f4	GAA9688	689	21073.13	14:20:00	metal	11.32	2.13	{"toiletunit-specs": {"unitvolume": "7.04", "unitweight": "430.27", "features": {"bidet": "False", "self-cleaning": "True"}}}
45fbb15b-52ff-4e5c-8e01-e5b08be6f3a8	UFW5624	139	37031.96	23:43:00	metal	13.4	2.48	{"toiletunit-specs": {"unitvolume": "8.75", "unitweight": "461.41", "features": {"bidet": "False", "self-cleaning": "True"}}}
43ae6c3f-5d7b-4222-8e9f-b77282bc1046	SIG9762	445	134401.08	23:48:00	wood	16.81	3.3	{"toiletunit-specs": {"unitvolume": "11.63", "unitweight": "253.21", "features": {"bidet": "True", "self-cleaning": "False"}}}
d92c7a76-8a82-4fe6-9591-8c7f79b66dc6	RKC6925	133	144553.66	15:40:00	wood	14.46	3.39	{"toiletunit-specs": {"unitvolume": "8.69", "unitweight": "209.43", "features": {"bidet": "True", "self-cleaning": "False"}}}
72bca0aa-e139-45fe-bf95-e027df4be16a	PDM4087	352	34220.07	19:34:00	wood	15.94	4.45	{"toiletunit-specs": {"unitvolume": "14.89", "unitweight": "267.42", "features": {"bidet": "False", "self-cleaning": "False"}}}
32bcb43f-f13d-4fd6-be5e-413bf922aafb	HJV3439	705	129076.78	23:27:00	plastic	12.02	2.1	{"toiletunit-specs": {"unitvolume": "10.9", "unitweight": "161.32", "features": {"bidet": "False", "self-cleaning": "False"}}}
cd13e0c5-aded-4256-aa17-c3430506bdb5	IGT3383	642	21235.69	20:52:00	frottee	10.17	4.42	{"toiletunit-specs": {"unitvolume": "7.76", "unitweight": "167.83", "features": {"bidet": "True", "self-cleaning": "True"}}}
c168de3b-770e-43c4-a206-943011c79e32	IOG9870	402	76632.83	07:11:00	chrome	7.05	4.84	{"toiletunit-specs": {"unitvolume": "3.89", "unitweight": "343.55", "features": {"bidet": "False", "self-cleaning": "True"}}}
f4cd5f33-da8e-4018-bbd2-d3d42c237582	VAQ4708	692	138630.98	00:08:00	frottee	15.15	2.39	{"toiletunit-specs": {"unitvolume": "10.32", "unitweight": "173.22", "features": {"bidet": "False", "self-cleaning": "True"}}}
6c12e38a-39e0-4659-a772-c39aca16d389	ICP1537	424	69761.14	18:56:00	leather	9.55	4.87	{"toiletunit-specs": {"unitvolume": "13.49", "unitweight": "499.56", "features": {"bidet": "False", "self-cleaning": "False"}}}
18aff37e-5eef-42d1-a4d1-ffc9aee57a5e	HIU0462	313	143709.18	08:59:00	wood	5.55	4.11	{"toiletunit-specs": {"unitvolume": "3.98", "unitweight": "299.31", "features": {"bidet": "False", "self-cleaning": "False"}}}
25cd2de5-892e-464c-a8d4-f4af3c23b074	HAK4016	101	85391.92	05:45:00	metal	12.42	4.19	{"toiletunit-specs": {"unitvolume": "12.97", "unitweight": "175.98", "features": {"bidet": "False", "self-cleaning": "True"}}}
b73f5006-ae53-46e3-818f-bc9527a95be7	KPB1369	114	67379.21	09:43:00	frottee	17.02	4.79	{"toiletunit-specs": {"unitvolume": "8.62", "unitweight": "370.83", "features": {"bidet": "False", "self-cleaning": "False"}}}
57e5222e-58f0-44b5-b721-c12af9fcc47b	ASZ1760	641	64430.29	19:32:00	metal	11.55	4.71	{"toiletunit-specs": {"unitvolume": "6.88", "unitweight": "210.25", "features": {"bidet": "False", "self-cleaning": "True"}}}
9a56fcaa-bb5b-4776-810f-e64ff5b0a5dc	QAG4527	487	40520.48	22:42:00	wood	8.46	4.03	{"toiletunit-specs": {"unitvolume": "12.09", "unitweight": "111.77", "features": {"bidet": "False", "self-cleaning": "False"}}}
61409ece-3362-41e5-9b05-61c65c99ab21	NZQ3723	468	86454.22	16:10:00	chrome	11.45	2.37	{"toiletunit-specs": {"unitvolume": "12.22", "unitweight": "302.75", "features": {"bidet": "False", "self-cleaning": "True"}}}
dfe1029b-47c7-4dce-a5f8-17bc08caa44d	DDL5083	362	124626.13	23:46:00	leather	19.4	3.56	{"toiletunit-specs": {"unitvolume": "5.3", "unitweight": "369.02", "features": {"bidet": "False", "self-cleaning": "False"}}}
d521f04f-04dc-4344-9821-7d184f151f48	QVQ8372	575	48514.78	17:55:00	steel	19.81	3.47	{"toiletunit-specs": {"unitvolume": "11.51", "unitweight": "278.53", "features": {"bidet": "True", "self-cleaning": "False"}}}
fb5084b0-e4e3-4bf7-b32f-ff61832c895d	ZRZ4380	77	74692.17	14:49:00	wood	11	3.39	{"toiletunit-specs": {"unitvolume": "4.71", "unitweight": "122.0", "features": {"bidet": "False", "self-cleaning": "False"}}}
84078989-fa8e-43aa-9234-9be61c197c35	CHW4314	699	149004.08	05:44:00	leather	11.63	4.72	{"toiletunit-specs": {"unitvolume": "13.14", "unitweight": "426.07", "features": {"bidet": "True", "self-cleaning": "True"}}}
73663c49-035d-4d0e-b16e-2246a6959d23	XPH1490	477	81736.96	03:10:00	frottee	9.82	4.26	{"toiletunit-specs": {"unitvolume": "12.85", "unitweight": "476.54", "features": {"bidet": "True", "self-cleaning": "False"}}}
eacba68c-26e2-44d3-a3a6-c141526784f5	NRZ6056	35	53974.18	02:02:00	chrome	12.61	3.67	{"toiletunit-specs": {"unitvolume": "6.92", "unitweight": "217.1", "features": {"bidet": "False", "self-cleaning": "False"}}}
65018968-73e5-4aec-853f-310964e4ddf6	EVE8722	145	107841.6	10:20:00	steel	12.48	2.97	{"toiletunit-specs": {"unitvolume": "4.06", "unitweight": "298.59", "features": {"bidet": "False", "self-cleaning": "False"}}}
f3e9f9df-67db-4b49-b1e7-efb0e0f5ac5b	KNT7580	60	50587.16	01:26:00	chrome	16.97	3.36	{"toiletunit-specs": {"unitvolume": "10.34", "unitweight": "392.21", "features": {"bidet": "True", "self-cleaning": "False"}}}

Testprotocol table

```
iop=> select * from testprotocol;
 registration | protocolid  | testdate   | testroute | airport |        pilot        |        results
--------------+-------------+------------+-----------+---------+---------------------+--------------------------------------------------------------------------------------------------------------------------------------------------------
 NFR6191      | BHCSCYMXBC  | 2018-04-12 | desert    | QMA     | Jaro Parker         | <results><test>barrel-roll</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">none</detached-wing><detached-wing side="right">none</detached-wing></results>
 QWF4267      | NNHFIUKUFC  | 2016-01-15 | alps      | YKX     | Mattia Erickson     | <results><test>barrel-roll</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">none</detached-wing><detached-wing side="right">none</detached-wing></results>
 GXB6250      | VGHKKGSGCZ  | 2019-11-16 | sketchy   | XVA     | Eslem Page          | <results><test>barrel-roll</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">none</detached-wing><detached-wing side="right">none</detached-wing></results>
 LUT9320      | MIFANEOCRE  | 2021-01-13 | scenic    | VUR     | Liana Adam          | <results><test>structural-integrity</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">none</detached-wing><detached-wing side="right">none</detached-wing></results>
 ZUN2223      | MAHBYWCJBP  | 2021-08-09 | fields    | FOE     | Lana Fink           | <results><test>high-g</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">none</detached-wing><detached-wing side="right">none</detached-wing></results>
 NWL1130      | URMBHRCBUI  | 2017-05-12 | mountains | MCY     | Alisa Santiago      | <results><test>engine</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">none</detached-wing><detached-wing side="right">none</detached-wing></results>
 HMU0232      | DUUPLOHVPY  | 2020-08-27 | sketchy   | QKW     | Wilma Francis       | <results><test>barrel-roll</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">none</detached-wing><detached-wing side="right">none</detached-wing></results>
 KGM4353      | LRWZPMPKBX  | 2015-02-19 | alps      | TVY     | Benjamin Austin     | <results><test>wings</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">none</detached-wing><detached-wing side="right">none</detached-wing></results>
 HNO1274      | WCEQTLNKEB  | 2022-02-03 | open sea  | UHN     | Michelle Poole      | <results><test>instrument</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">none</detached-wing><detached-wing side="right">none</detached-wing></results>
 TTA1254      | MORLTVFBLV  | 2016-03-27 | mountains | RVW     | Hannes Clay         | <results><test>wings</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">none</detached-wing><detached-wing side="right">none</detached-wing></results>
 HAH5499      | LSXDWYFWWD  | 2016-01-06 | forests   | NBK     | Naomi Allen         | <results><test>barrel-roll</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">none</detached-wing><detached-wing side="right">none</detached-wing></results>
 PMF6171      | MCUTUSTFBH  | 2017-01-17 | desert    | QGJ     | Alea Berry          | <results><test>structural-integrity</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">none</detached-wing><detached-wing side="right">none</detached-wing></results>
 BLS9839      | IMXOBFRUYC  | 2019-06-10 | mountains | MGS     | Younes Schumacher   | <results><test>barrel-roll</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">none</detached-wing><detached-wing side="right">none</detached-wing></results>
 DWX8630      | ULXHORPHTZ  | 2017-01-26 | scenic    | SKR     | Lisa Parsons        | <results><test>instrument</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">none</detached-wing><detached-wing side="right">none</detached-wing></results>
 IAP4466      | QNJAPEWEVH  | 2020-06-11 | sketchy   | DZH     | Ariana Clarke       | <results><test>engine</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">none</detached-wing><detached-wing side="right">none</detached-wing></results>
 IFC8060      | NZCYLQQGCJ  | 2018-09-11 | scenic    | WYX     | Friederike Pitts    | <results><test>instrument</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">none</detached-wing><detached-wing side="right">none</detached-wing></results>
 PTP6056      | EKFVYZTFZN  | 2016-02-25 | desert    | UWM     | Noel Jacobs         | <results><test>barrel-roll</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">none</detached-wing><detached-wing side="right">none</detached-wing></results>
 VER3680      | XJCPBZGBLM  | 2020-12-23 | fields    | QLZ     | Phil Jensen         | <results><test>wings</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">none</detached-wing><detached-wing side="right">none</detached-wing></results>
 CHE2900      | HCBNGDLZBJ  | 2018-01-04 | alps      | NSE     | Melvin Davidson     | <results><test>high-g</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">none</detached-wing><detached-wing side="right">none</detached-wing></results>
 XDR3256      | LDTNPMYNQT  | 2015-09-21 | mountains | VJP     | Davide Vaughn       | <results><test>structural-integrity</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">none</detached-wing><detached-wing side="right">none</detached-wing></results>
 RPY0133      | ISIVQZJHNI  | 2020-08-19 | mountains | YTZ     | Jaro Steigl         | <results><test>high-g</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">none</detached-wing><detached-wing side="right">none</detached-wing></results>
 GGU2716      | TXBWFOGRHW  | 2016-07-09 | sketchy   | FOR     | Hauke Moody         | <results><test>looping</test><vibrations loc="cockpit"><scale>low</scale><critical>false</critical></vibrations><vibrations loc="cabin"><scale>negligible</scale><critical>false</critical></vibrations><detached-wing side="left">non
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Beverage table

```
iop=> select * from beverage;
```

unitid	bottleid	beveragename	beveragepercentage	beveragetype	cost	size
82bd5531-3628-4329-84d5-9d6c1c91b3c3	OORKHYRTJU	PABST BLUE RIBBON - CAN	4.9	Beer	33.79	0.355
95a1d7b2-5d77-41a6-8199-89782ec233d6	CPBXGQTDCZ	OKANAGAN CRUSH PAD - NARRATIVE ROSE VEGAN 2019	12	Wine	15.99	0.75
a3d3874f-aaea-4ea6-98e9-d7ad5bee12a5	FBVHMFHYQZ	BAVARIA ORIGINAL BREW	5	Beer	12.49	0.5
a38f73b5-e33c-4163-bfb4-719c7a69c697	UDOJLPNDKR	STOCK - LIONELLO ROSSO	16	Wine	12.99	1
389df488-e261-4bbd-8061-9853d3588a06	JRHFAWEHXD	NUDE - GIN SODA LEMON CAN	5	Refreshment Beverages	12.99	0.355
e2d0c335-db51-4a43-abf2-fd0a51f85aab	AWBUPRHTZP	GREY GOOSE	40	Spirits	5.49	0.05
9db36f4e-7f72-45cf-b7e0-44d82969c089	QLXQUJVTUA	BARBERA D`ALBA - BATASIOLO	14	Wine	16.99	0.75
4c21b0d3-d995-4cf0-aca1-f1a07c46dc43	LNBFTSQUWR	NAPA VALLEY RED - BOND ST EDEN 2014	14.5	Wine	889	0.75
d59b2cee-a1e6-4d07-8ecd-906c6796b82f	EGCEGAKMAL	CORTON GRAND CRU BLANC - DOMAINE PARENT	13	Wine	289.99	0.75
daeb15ea-7d30-4b63-b511-2f0975b91ff1	JHSOTSRBGW	ROSSO DI TORGIANO - LUNGAROTTI RUBESCO 2018	14	Wine	25.99	0.75
e9fef24d-71c7-494c-84be-62b5a7493a89	ECKDUSFQXQ	WHITE CLAW - VARIETY PACK CAN	5	Refreshment Beverages	25.49	0.355
778525ec-08ff-46dd-9711-8c85ddb629f7	YYUJJKDLGI	TOSCANA - ANTINORI TIGNANELLO 2008	14	Wine	693	3
46f0f438-ad35-407e-ad5f-7a0ff11cd483	EQJQKXHCPK	WHITE CLAW - GRAPEFRUIT CAN	5	Refreshment Beverages	13.29	0.355
8ce94848-45c3-4112-9a70-c56d2bf35560	ZOMGAMIXWN	CHATEAU DE FIEUZAL BLANC 2016	13	Wine	100	0.75
6350d905-cbe0-4ec9-b48e-e461648df86c	FYRSWAKBOT	DOGLIANI DOLCETTO - BATASIOLO 2017	14	Wine	24.99	0.75
70ab63f6-d199-463a-9415-b01782ffb763	GLSGBLCOQB	FERNIE BREWING - CAMPOUT WEST COAST PALE ALE	5.4	Beer	12.49	0.355
ab8aebff-13b6-4cda-a7ef-33d309ab89e5	HXHXIFSVLW	BAROLO - AZELIA BRICCO FIASCO 2015	13.5	Wine	145.99	0.75
772d9309-7c7c-4ae2-b901-357a944c08c3	LKDUKOSFJK	ROSE - TEMPUS TWO SILVER SERIES	13	Wine	9.97	0.75
b1405a8d-e83f-42f0-92ea-e917e97e059d	NYYPUWBNUD	SHIRAZ - MOLLYDOOKER CARNIVAL OF LOVE MCLAREN VALE 2017	16	Wine	89.99	0.75
eb8cb5d2-5054-48c4-8fd9-17a68e357c33	AOLVDGJCZE	SHIRAZ - BERTON GOLD LABEL LIMITED EDITION	14.5	Wine	13.97	0.75
42d93a2a-fbe3-418d-bf8b-7f5cb137dee9	ZCKCIOQNWX	SCREECH - DARK	40	Spirits	25.99	0.75
855e0c90-b275-49a4-93e6-d93cf6e27fbb	WRFTOGCUSF	PABST BLUE RIBBON - CAN	4.9	Beer	33.79	0.355
99ed3781-d363-43e9-8f78-058da49171f9	HPGUWQOBID	GLENFIDDICH - 26 YEAR OLD EXCELLENCE	43	Spirits	800	0.75
0cf09d33-dec9-4bc3-a352-bb2cffe69a86	VMZRKWBXCZ	99 WATERMELONS - WATERMELON SCHNAPPS LIQUEUR	49.5	Spirits	1.99	0.05
ade4e3b0-edc0-423d-a9fe-8a9b467d3d04	JMAKNLWXXH	CABERNET SAUVIGNON - JACOB`S CREEK DOUBLE BARREL COONAWARRA	14.3	Wine	18.99	0.75
b57c11ca-09aa-4940-bcdd-b082eb790291	OXXGMRBEYZ	BLANC DE LYNCH BAGES 2014	13	Wine	80	0.75
3e48c4ac-d2d9-4a42-9f02-204cef63754b	PVGEIGUIYG	CHATEAU LAFITE ROTHSCHILD 1996	13	Wine	2750	0.75
8accc968-0087-4ffa-8ffe-a0a8c516bff3	VPLZHXPTTK	GIGONDAS - CHATEAU DE SAINT COSME HOMINIS FIDES 2018	15.5	Wine	179.99	0.75
78283d91-a4ba-4c85-b821-5eca8e18c96e	FDVCMPNYZE	MINERVOIS - LA CONDAMINE PAULIGNAN 2015	14	Wine	19.99	0.75
d37791a8-3019-456a-90b4-e493efdd0ee6	ERNBSPZCGH	TALISKER - 10 YEAR OLD	45.8	Spirits	99.99	0.75
5bb22605-ec33-46d4-9917-37fc2863ad79	KGCSACNKGI	SALENTO - VERSO ROSSO	14	Wine	18.99	0.75
cb7fa98e-dcfd-4b3b-babe-856ea7c3bc26	JRLAZZDLNK	ERMITAGE - CHAPOUTIER LE PAVILLON 2016	14	Wine	500	0.75
fdce3335-a074-407e-9bca-674fad21b22d	NIOKQNEEUG	CHARDONNAY - RODNEY STRONG SONOMA CHALK HILL 2017	13.5	Wine	29.99	0.75