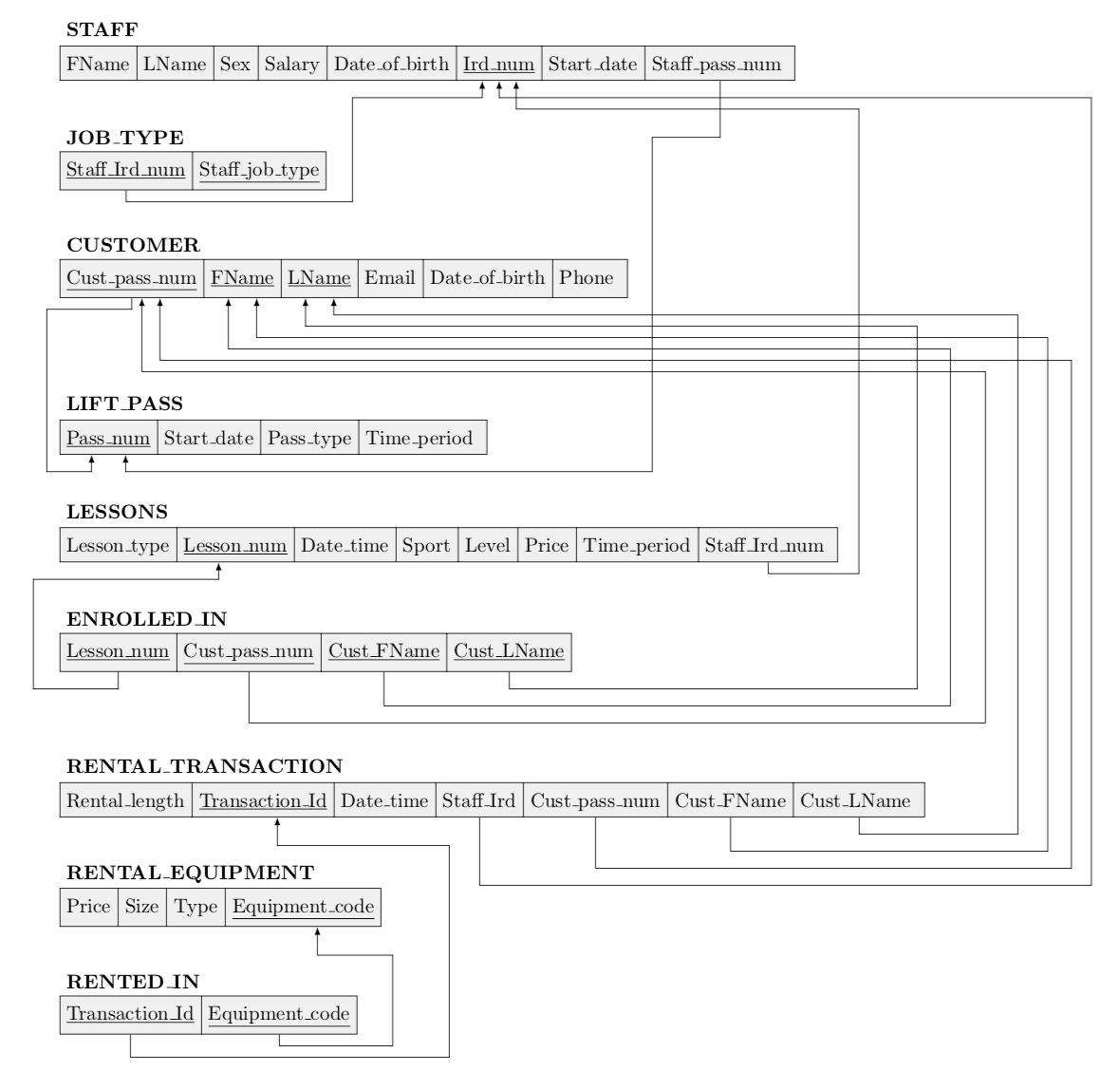
1. Revised ER Diagram

A close up of a map

Description automatically generated

I changed the name of the Rental\_code attribute in RENTAL\_EQUIPMENT to Equipment\_code to make it clearer that the attribute is referring to unique pieces of equipment. I got rid of the Equipment\_codes attribute in RENTAL\_TRANSACTION because it is already implicit in the RENTED\_IN relationship. I also added a new attribute Transaction\_Id to RENTAL\_TRANSACTION so that I can uniquely identify each transaction, as Date\_time is not enough.

1. Relational Schema



1. Normalisation

**CUSTOMER**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Cust\_Pass\_num | FName | LName | Email | Date\_of\_Birth | Phone |

**Functional Dependency:**

{Cust\_Pass\_Name, FName, LName} à {Email, Date\_of\_Birth, Phone}

Step 1: 1NF

All the attributes are in atomic form, there are no multivariable, composite, or nested relations in the CUSTOMER relation. Therefore, CUSTOMER is already in 1NF.

Step 2: 2NF

CUSTOMER is in 2NF because Email, Date\_of\_Birth, and Phone are the only nonprime attributes and they are all fully dependent on the primary key. The primary key is Cust\_Pass\_num, FName, and LName, so CUSTOMER is in 2NF.

Step 3: 3NF

CUSTOMER is already in 3NF, all nonprime attributes (Email, Date\_Of\_Birth, Phone) are not transitively dependent on the primary key (Cust\_Pass\_num, FName, LName). All these attributes depend on the primary key.

Step 4: BCNF

CUSTOMER is the BNCF form because there is only one functional dependency and the primary key is on the left-hand side of this dependency.

**LIFT\_PASS**

|  |  |  |  |
| --- | --- | --- | --- |
| Pass\_Num | Start\_date | Pass\_Type | Time\_Period |

**Functional Dependencies:**

{Pass\_num} à {Start\_date, Pass\_type, Time\_Period}

{Pass\_Type}à{Time\_Period}

Step 1: 1NF

All the attributes are in atomic form, there are no multivariable, composite, or nested relations in the STAFF relation. Therefore, LIFT\_PASS is already in 1NF.

Step 2: 2NF

LIFT\_PASS is in 2NF; nonprime attributes are fully dependent on the primary key (Pass\_num). From Pass\_num you can determine Start\_date and Pass\_Type.

Step 3: 3NF

LIFT\_PASS is not in 3NF, because Time\_Period is transitively dependent on Pass\_Num. The Pass\_Type determines the Time\_Period of the pass. To convert LIFT\_PASS into 3NF it is decomposed into 2 relations LIFT\_PASS and PASS\_TYPE shown below.

**LIFT\_PASS**

|  |  |  |
| --- | --- | --- |
| Pass\_Num | Start\_date | Pass\_Type |

**Functional Dependency:**

{Pass\_num}  {Start\_date, Pass\_type, Time\_Period}

and

**PASS\_TYPES**

|  |  |
| --- | --- |
| Pass\_Type | Time\_Period |

**Functional Dependency:**

{Pass\_Type} à {Time\_Period}

Step 4: BCNF

Both LIFT\_PASS and PASS\_TYPE are in BCNF form, each have one functional dependency between the primary key and the remaining attributes.

**STAFF**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fname | Lname | Sex | Salary | Date\_of\_birth | Ird\_num | Start\_date | Staff\_pass\_num |

**Functional Dependency:**

{Ird\_num}à {Fname, Lname, Sex, Salary, Date\_of\_birth, Start\_date, Staff\_pass\_num}

Step 1: 1NF

All attributes are single valued, there are no multivalued, nested, or composite attributes. Therefore, the staff entity already in 1NF.

Step 2: 2NF

All the non-prime attributes are fully dependent on the primary key( Ird\_num), from ird\_num we can know the Fname, Lname, Sex, Salary, Date\_of\_birth, Start\_date, and Staff\_pass\_num. Hence, Staff is already in 2NF

Step 3: 3NF

Staff is already a 3NF since all its non-prime attributes aren't transitively dependent on ird\_num (primary key).

Step 4: BCNF

STAFF is already BCNF since there is only one functional dependency between the primary keys and the rest of the attributes.

**JOB\_TYPE**

|  |  |
| --- | --- |
| Staff\_IRD\_num | Staff\_job\_type |

Step 1: 1NF

Both attributes of the JOB\_TYPE are atomic and single valued, hence in 1NF.

Step 2: 2NF

JOB\_TYPE is in 2NF, it has no nonprime attributes, both attributes are part of the composite primary key.

Step 3: 3NF

JOB\_TYPE is in 3NF form, there are no transitive dependencies.

Step 4: BCNF

JOB\_TYPE2 is in BCNF.

**LESSONS**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Lesson\_type | Lesson\_num | Date\_time | Sport | Level | Price | Time\_period | Staff\_Ird\_num |

**Functional Dependencies:**

{Lesson\_num}  {Lesson\_type, Date\_time, Sport, Level, Price, Time\_period, Staff\_Ird\_num}

{Lesson \_type, Level, Time}  {Price}

Step 1: 1NF

All the attributes are in atomic form, there are no multivariable, composite, or nested relations in the LESSON relation. Therefore, LESSONS is already in 1NF.

Step 2: 2NF

LESSONS is in 2NF; nonprime attributes are fully dependent on the primary key (Lesson\_num). From Lesson\_num you can determine Lesson\_type, Date\_time, Sport, Level, Price, Time\_period, Staff\_Ird\_num.

Step 3: 3NF

LESSONS is not in 3NF, because Price is transitively dependent on Lesson \_type, Level and Time. The Price determines the Lesson\_type, Level and Time of the pass. To convert LESSONS into 3NF it is decomposed into 2 relations, LESSONS and LESSON\_PRICE shown below.

**LESSONS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Lesson\_type | Lesson\_num | Date\_time | Sport | Level | Time\_period | Staff\_Ird\_num |

**Functional Dependency:**

{Lesson\_num}  {Lesson\_type, Date\_time, Sport, Level, Time\_period, Staff\_Ird\_num}

**LESSON\_PRICE**

|  |  |  |  |
| --- | --- | --- | --- |
| Lesson\_type | Level | Time | Price |

**Functional Dependency:**

{Lesson \_type, Level, Time}  {Price}

Step 4: BCNF

Both LESSONS and LESSON\_PRICE are in BCNF form, each have one functional dependency between the primary key and the remaining attributes.

**ENROLLED\_IN**

|  |  |  |  |
| --- | --- | --- | --- |
| Lesson\_num | Cust\_pass\_num | Cust\_FName | Cust\_LName |

Step 1: 1NF

All the attributes are in atomic form, there are no multivariable, composite, or nested relations in the ENROLLED IN relation. Therefore, ENROLLED IN is already in 1NF.

Step 2: 2NF

ENROLLED IN is in 2NF, there are no nonprime attributes that depend on the primary keys.

Step 3: 3NF

ENROLLED IN is in 3NF because there are no transitive dependencies.

Step 4: BCNF

ENROLLED IN is in BCNF as it is a fully keyed relation meaning there are no functional dependencies.

**RENTAL\_TRANSACTION**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Rental\_length | Transaction\_Id | Date\_time | Staff\_Ird | Cust\_pass\_num | Cust\_Fname | Cust\_LName |

**Functional Dependency:**

{Transaction\_Id } {Rental\_length, Date\_time, Staff\_Ird, Cust\_pass\_num, Cust\_Fname, Cust\_LName}

Step 1: 1NF

All attributes are atomic, so RENTAL\_TRANSACTION is already in 1NF.

Step 2: 2NF

The primary key, Transaction\_Id, contains a single attribute, so this relation is in 2NF.

Step 3: 3NF

3NF because in our functional dependency, Transaction\_Id is a super-key of the relation.

Step 4: BCNF

BCNF because the dependency is a fully functional dependency.

**RENTAL\_EQUIPMENT**

|  |  |  |  |
| --- | --- | --- | --- |
| Price | Size | Type | Equipment\_code |

**Functional Dependencies:**

{Equipment\_code}  {Type, Size, Price}

{Type}  {Price}

Step 1: 1NF

All attributes are atomic, so RENTAL\_EQUIPMENT is already in 1NF.

Step 2: 2NF

The primary key, Equipment\_code, contains a single attribute, so this relation is in 2NF.

Step 3: 3NF

This relation is not in 3NF because in the functional dependency {Type}  {Price}, Type is not a super-key and Price is not a prime attribute. We split up the relation and it becomes:

**RENTAL\_EQUIPMENT**

|  |  |  |
| --- | --- | --- |
| Size | Type | Equipment\_code |

**Functional Dependency:**

{Equipment\_code}  {Type, Size, Price}

and

**EQUIPMENT\_PRICING**

|  |  |
| --- | --- |
| Type | Price |

**Functional Dependency:**

{Type}  {Price}

Step 4: BCNF

Both of the resulting relations are in BCNF because for each functional dependency, the left side is a super-key.

**RENTED\_IN**

|  |  |
| --- | --- |
| Transaction\_Id | Equipment\_code |

As RENTED\_IN is a fully-keyed relation, there are no functional dependencies. And every So by definition, RENTED\_IN is in BCNF as required.

1. Load.sql

DROP TABLE enrolled\_in;

DROP TABLE lessons;

DROP TABLE lesson\_price;

DROP TABLE rented\_in;

DROP TABLE rental\_transaction;

DROP TABLE rental\_equipment;

DROP TABLE rental\_pricing;

DROP TABLE job\_type;

DROP TABLE staff;

DROP TABLE customer;

DROP TABLE lift\_pass;

DROP TABLE pass\_types;

CREATE TABLE pass\_types

(

pass\_type VARCHAR2(20) PRIMARY KEY,

time\_period INT NOT NULL -- number of days pass has on it

);

INSERT INTO pass\_types VALUES ('Season Pass', 100);

INSERT INTO pass\_types VALUES ('MultiDay Pass', 3);

INSERT INTO pass\_types VALUES ('Day Pass', 1);

CREATE TABLE lift\_pass

(

pass\_num NUMBER(8) PRIMARY KEY,

start\_date DATE NOT NULL,

pass\_type VARCHAR2(20) REFERENCES pass\_types(pass\_type)

);

INSERT INTO lift\_pass VALUES

(12345675, TO\_DATE('30-06-2020', 'DD-MM-YYYY'), 'Season Pass');

INSERT INTO lift\_pass VALUES

(12345676, TO\_DATE('30-06-2020', 'DD-MM-YYYY'), 'Season Pass');

INSERT INTO lift\_pass VALUES

(12345677, TO\_DATE('14-06-2020', 'DD-MM-YYYY'), 'Season Pass');

INSERT INTO lift\_pass VALUES

(12345678, TO\_DATE('14-06-2020', 'DD-MM-YYYY'), 'Season Pass');

INSERT INTO lift\_pass VALUES

(12345679, TO\_DATE('14-06-2020', 'DD-MM-YYYY'), 'Season Pass');

INSERT INTO lift\_pass VALUES

(12345680, TO\_DATE('15-07-2020', 'DD-MM-YYYY'), 'Season Pass');

INSERT INTO lift\_pass VALUES

(12345681, TO\_DATE('16-06-2020', 'DD-MM-YYYY'), 'Season Pass');

INSERT INTO lift\_pass VALUES

(12345682, TO\_DATE('14-06-2020', 'DD-MM-YYYY'), 'MultiDay Pass');

INSERT INTO lift\_pass VALUES

(12345683, TO\_DATE('20-06-2020', 'DD-MM-YYYY'), 'MultiDay Pass');

INSERT INTO lift\_pass VALUES

(12345684, TO\_DATE('23-08-2020', 'DD-MM-YYYY'), 'MultiDay Pass');

INSERT INTO lift\_pass VALUES

(12345685, TO\_DATE('11-07-2020', 'DD-MM-YYYY'), 'Day Pass');

INSERT INTO lift\_pass VALUES

(12345686, TO\_DATE('01-08-2020', 'DD-MM-YYYY'), 'Day Pass');

INSERT INTO lift\_pass VALUES

(12345687, TO\_DATE('09-07-2020', 'DD-MM-YYYY'), 'Day Pass');

CREATE TABLE customer

(

cust\_pass\_num NUMBER(8) REFERENCES lift\_pass(pass\_num),

fname VARCHAR2(25) NOT NULL,

lname VARCHAR2(25) NOT NULL,

email VARCHAR2(60),

date\_of\_birth DATE,

phone VARCHAR2(15),

PRIMARY KEY(cust\_pass\_num, fname, lname)

);

INSERT INTO customer VALUES

(12345680, 'Jordon', 'Wong', '[jordon@example.com](mailto:jordon@example.com)', TO\_DATE('22-07-1990', 'DD-MM-YYYY'), '027856987');

INSERT INTO customer VALUES

(12345681, 'Jennifer', 'Hope', '[jennifer@example.com](mailto:jennifer@example.com)', TO\_DATE('16-02-1989', 'DD-MM-YYYY'), '027456123');

INSERT INTO customer VALUES

(12345682, 'Joyce', 'Ford', '[joyce@example.com](mailto:joyce@example.com)', TO\_DATE('14-06-1950', 'DD-MM-YYYY'), '021456789');

INSERT INTO customer VALUES

(12345683, 'Tim', 'Stevens', '[tim@example.com](mailto:tim@example.com)', TO\_DATE('20-06-1989', 'DD-MM-YYYY'), '021147258');

INSERT INTO customer VALUES

(12345684, 'Rob', 'Dick', '[rob@example.com](mailto:rob@example.com)', TO\_DATE('23-08-1985', 'DD-MM-YYYY'), '021369852');

INSERT INTO customer VALUES

(12345685, 'Jim', 'McDonald', '[jim@example.com](mailto:jim@example.com)', TO\_DATE('11-06-1986', 'DD-MM-YYYY'), '021256325');

INSERT INTO customer VALUES

(12345686, 'Sam', 'Borg', '[sam@example.com](mailto:sam@example.com)', TO\_DATE('01-05-1996', 'DD-MM-YYYY'), '023789456');

INSERT INTO customer VALUES

(12345687, 'Caitlin', 'Gould', '[caitlin@example.com](mailto:caitlin@example.com)', TO\_DATE('09-02-1956', 'DD-MM-YYYY'), '025156423');

CREATE TABLE staff

(

ird\_num CHAR(9) PRIMARY KEY,

fname VARCHAR2(20) NOT NULL,

lName VARCHAR2(20) NOT NULL,

sex CHAR,

salary NUMBER(6),

date\_of\_birth DATE,

start\_date DATE,

staff\_pass\_num NUMBER(8) REFERENCES lift\_pass(pass\_num)

);

INSERT INTO staff VALUES

(770345320, 'Sam', 'Davies', 'M', 200000, TO\_DATE('09-01-1995','DD-MM-YYYY'),

TO\_DATE('20-08-2020','DD-MM-YYYY'), 12345675);

INSERT INTO staff VALUES

(770345321, 'Elisa', 'Baker', 'F', 210000, TO\_DATE('11-06-1993','DD-MM-YYYY'),

TO\_DATE('20-08-2019','DD-MM-YYYY'), 12345676);

INSERT INTO staff VALUES

(770345323, 'Leon', 'Gould', 'M', 190000,

TO\_DATE('05-11-1996','DD-MM-YYYY'), TO\_DATE('20-09-2020','DD-MM-YYYY'), 12345677);

INSERT INTO staff VALUES

(770345324, 'Caitlin', 'Dyas', 'F', 250000,

TO\_DATE('28-09-1993','DD-MM-YYYY'), TO\_DATE('20-08-2018','DD-MM-YYYY'), 12345678);

INSERT INTO staff VALUES

(770345325, 'Kaleb', 'Clark', 'M', 220000,

TO\_DATE('28-09-1994','DD-MM-YYYY'), TO\_DATE('21-08-2018','DD-MM-YYYY'), 12345679);

CREATE TABLE job\_type

(

staff\_ird\_num CHAR(9) REFERENCES staff(ird\_num),

staff\_job\_type VARCHAR2(10) NOT NULL,

PRIMARY KEY (staff\_ird\_num, staff\_job\_type)

);

INSERT INTO job\_type VALUES (770345320, 'Rentals');

INSERT INTO job\_type VALUES (770345321, 'Instructor');

INSERT INTO job\_type VALUES (770345323, 'Instructor');

INSERT INTO job\_type VALUES (770345324, 'Rentals');

INSERT INTO job\_type VALUES (770345325, 'Rentals');

CREATE TABLE lesson\_price

(

lesson\_type VARCHAR2(20),

lesson\_level VARCHAR2(15),

time\_period DATE,

price DECIMAL(10,2),

PRIMARY KEY(lesson\_type, lesson\_level, time\_period)

);

INSERT INTO lesson\_price VALUES

('Private', 'Beginner', TO\_DATE('10:00:00','hh24:mi:ss'), 100.00);

INSERT INTO lesson\_price VALUES

('Group', 'Beginner', TO\_DATE('12:30:00','hh24:mi:ss'), 70.00);

INSERT INTO lesson\_price VALUES

('Private', 'Intermediate', TO\_DATE('09:00:00','hh24:mi:ss'), 110.00);

INSERT INTO lesson\_price VALUES

('Private', 'Advanced', TO\_DATE('13:45:00','hh24:mi:ss'), 80.00);

INSERT INTO lesson\_price VALUES

('Group', 'Beginner', TO\_DATE('01:23:44','hh24:mi:ss'), 80.00);

CREATE TABLE lessons

(

lesson\_num NUMBER(8) PRIMARY KEY,

lesson\_type VARCHAR2(20) NOT NULL,

date\_time DATE NOT NULL,

sport VARCHAR2(20) NOT NULL,

lesson\_level VARCHAR(15),

time\_period DATE,

staff\_ird\_num CHAR(9),

FOREIGN KEY (staff\_ird\_num) REFERENCES staff(ird\_num),

FOREIGN KEY (lesson\_type, lesson\_level, time\_period) REFERENCES

lesson\_price(lesson\_type, lesson\_level, time\_period)

);

INSERT INTO lessons VALUES

('00001321', 'Private', TO\_DATE('20-Aug-2020 10:00:00','dd-mon-yyyy hh24:mi:ss'),

'Skiing', 'Beginner', TO\_DATE('10:00:00','hh24:mi:ss'), 770345323 );

INSERT INTO lessons VALUES

('12345678', 'Group', TO\_DATE('22-Aug-2020 12:30:00','dd-mon-yyyy hh24:mi:ss'),

'Skiing', 'Beginner', TO\_DATE('12:30:00','hh24:mi:ss'), 770345321 );

INSERT INTO lessons VALUES

('22222222', 'Private', TO\_DATE('06-May-2020 09:00:00','dd-mon-yyyy hh24:mi:ss'),

'Skiing', 'Intermediate', TO\_DATE('09:00:00','hh24:mi:ss'), 770345321 );

INSERT INTO lessons VALUES

('33333333', 'Private', TO\_DATE('05-Aug-2020 13:45:00','dd-mon-yyyy hh24:mi:ss'),

'Skiing', 'Advanced', TO\_DATE('13:45:00','hh24:mi:ss'), 770345323 );

INSERT INTO lessons VALUES

('44444444', 'Group', TO\_DATE('27-Jul-2020 01:23:44','dd-mon-yyyy hh24:mi:ss'),

'Skiing', 'Beginner', TO\_DATE('01:23:44','hh24:mi:ss'), 770345321 );

CREATE TABLE enrolled\_in

(

lesson\_num NUMBER(8) REFERENCES lessons(lesson\_num),

cust\_pass\_num NUMBER(8),

cust\_fname VARCHAR2(25),

cust\_lname VARCHAR2(25),

PRIMARY KEY (lesson\_num, cust\_pass\_num, cust\_fname, cust\_lname),

FOREIGN KEY (cust\_pass\_num, cust\_fname, cust\_lname) REFERENCES

customer(cust\_pass\_num, fname, lname)

);

INSERT INTO enrolled\_in VALUES('00001321', 12345680, 'Jordon', 'Wong');

INSERT INTO enrolled\_in VALUES('12345678', 12345681, 'Jennifer', 'Hope');

INSERT INTO enrolled\_in VALUES('22222222', 12345682, 'Joyce', 'Ford');

INSERT INTO enrolled\_in VALUES('33333333', 12345683, 'Tim', 'Stevens');

INSERT INTO enrolled\_in VALUES('44444444', 12345684, 'Rob', 'Dick');

CREATE TABLE rental\_pricing

(

type VARCHAR(15) PRIMARY KEY,

price DECIMAL(10,2) NOT NULL

);

INSERT INTO rental\_pricing VALUES ('Ski Boots', 12.5);

INSERT INTO rental\_pricing VALUES ('Helmet', 5);

INSERT INTO rental\_pricing VALUES ('Skis', 25);

INSERT INTO rental\_pricing VALUES ('Snowboard', 25);

INSERT INTO rental\_pricing VALUES ('Ski Poles', 10);

INSERT INTO rental\_pricing VALUES ('Jacket', 15);

INSERT INTO rental\_pricing VALUES ('Snow Boots', 13);

CREATE TABLE rental\_equipment

(

type VARCHAR(15) NOT NULL,

equip\_size VARCHAR(15),

equipment\_code NUMBER(8) PRIMARY KEY,

FOREIGN KEY (type) REFERENCES rental\_pricing(type)

);

INSERT INTO rental\_equipment VALUES ('Ski Boots', '8', 10000001);

INSERT INTO rental\_equipment VALUES ('Helmet', NULL, 10000002);

INSERT INTO rental\_equipment VALUES ('Snowboard', 'Medium', 10000003);

INSERT INTO rental\_equipment VALUES ('Ski Poles', NULL, 10000004);

INSERT INTO rental\_equipment VALUES ('Snow Boots', '5', 10000005);

INSERT INTO rental\_equipment VALUES ('Skis', 'Small', 10000006);

INSERT INTO rental\_equipment VALUES ('Jacket', '10', 10000007);

CREATE TABLE rental\_transaction

(

rental\_length INTEGER NOT NULL,

transaction\_id NUMBER(8) PRIMARY KEY,

date\_time DATE NOT NULL,

staff\_ird CHAR(9) NOT NULL,

cust\_pass\_num NUMBER(8) NOT NULL,

cust\_fname VARCHAR(25),

cust\_lname VARCHAR(25),

FOREIGN KEY (staff\_ird) REFERENCES staff(ird\_num),

FOREIGN KEY (cust\_pass\_num, cust\_fname, cust\_lname)

REFERENCES customer(cust\_pass\_num, fname, lname)

);

INSERT INTO rental\_transaction VALUES

(2, 00000001, TO\_DATE('07-May-2020 10:30:00','dd-mon-yyyy hh:mi:ss'),

770345320, 12345680, 'Jordon', 'Wong');

INSERT INTO rental\_transaction VALUES

(2, 00000002, TO\_DATE('08-May-2020 11:30:00','dd-mon-yyyy hh:mi:ss'),

770345320, 12345680, 'Jordon', 'Wong');

INSERT INTO rental\_transaction VALUES

(12, 00000003, TO\_DATE('23-May-2020 09:42:00','dd-mon-yyyy hh:mi:ss'),

770345324, 12345682, 'Joyce', 'Ford');

INSERT INTO rental\_transaction VALUES

(5, 00000004, TO\_DATE('07-Jun-2020 10:12:00','dd-mon-yyyy hh:mi:ss'),

770345320, 12345684, 'Rob', 'Dick');

INSERT INTO rental\_transaction VALUES

(1, 00000005, TO\_DATE('09-Jul-2020 09:20:00','dd-mon-yyyy hh:mi:ss'),

770345324, 12345683, 'Tim', 'Stevens');

INSERT INTO rental\_transaction VALUES

(3, 00000006, TO\_DATE('19-Jul-2020 08:10:00','dd-mon-yyyy hh:mi:ss'),

770345325, 12345682, 'Joyce', 'Ford');

INSERT INTO rental\_transaction VALUES

(3, 00000007, TO\_DATE('27-Jul-2020 08:30:00','dd-mon-yyyy hh:mi:ss'),

770345325, 12345685, 'Jim', 'McDonald');

CREATE TABLE rented\_in

(

transaction\_id NUMBER(8),

equipment\_code NUMBER(8),

PRIMARY KEY (transaction\_id, equipment\_code),

FOREIGN KEY (transaction\_id) REFERENCES

rental\_transaction(transaction\_id),

FOREIGN KEY (equipment\_code) REFERENCES

rental\_equipment(equipment\_code)

);

INSERT INTO rented\_in VALUES (00000001, 10000002);

INSERT INTO rented\_in VALUES (00000002, 10000006);

INSERT INTO rented\_in VALUES (00000003, 10000005);

INSERT INTO rented\_in VALUES (00000004, 10000007);

INSERT INTO rented\_in VALUES (00000005, 10000004);

INSERT INTO rented\_in VALUES (00000006, 10000005);

INSERT INTO rented\_in VALUES (00000007, 10000001);

COMMIT;