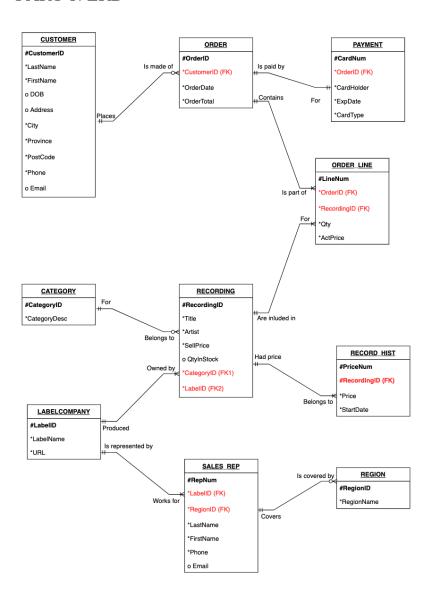
DBS311 Assignment#2

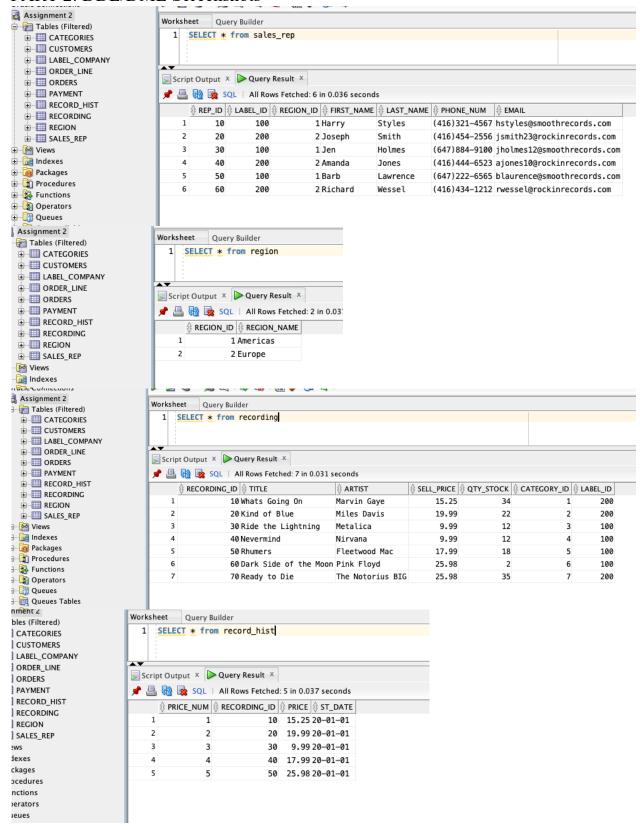
GROUP MEMBERS:

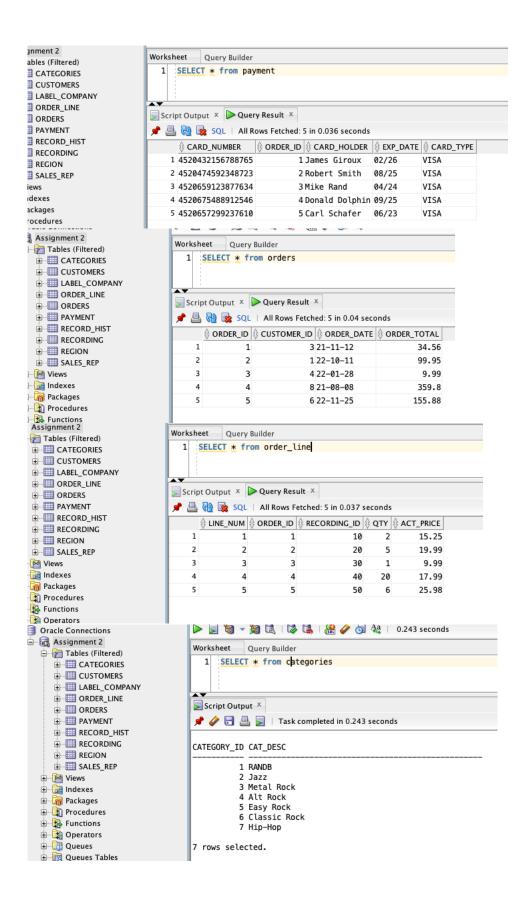
James Giroux – 129198164 - <u>jgiroux1@myseneca.ca</u> Soni Dev Alpeshbhai – 130759210 – <u>dasoni4@myseneca.ca</u> Le Chanh Tin Luong – 154574214 – <u>lluong7@myseneca.ca</u> Section: NJJ

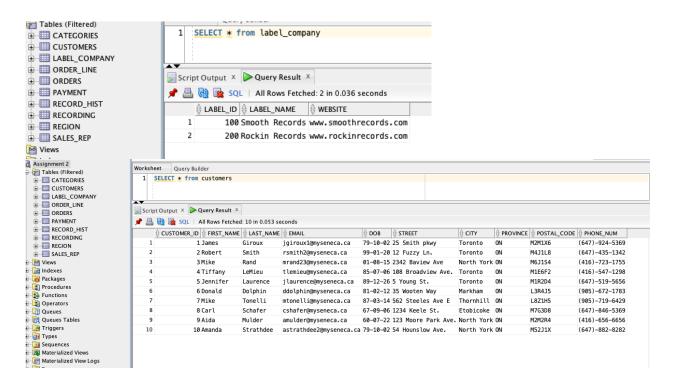
PART 1: ERD



PART 2: DDL/DML Screenshots







PART 3: STORED PROCEDURE - Screenshot

```
create or replace PROCEDURE Recording Selling Price Report AS
  avgprice NUMBER;
  countLOW NUMBER;
  countHIGH NUMBER;
  sp NUMBER;
  CURSOR sp cursor IS
    SELECT sell price
    FROM recording;
BEGIN
  countLOW :=0;
  countHIGH :=0;
  SELECT AVG(sell price) INTO avgprice
  FROM recording;
  OPEN sp cursor;
  LOOP
    FETCH sp cursor INTO sp;
    EXIT WHEN sp cursor%NOTFOUND;
    IF (sp < avgprice) THEN
      countLOW := (countLOW + 1);
    ELSE countHIGH := (countHIGH +1);
    END IF:
```

```
END LOOP;

DBMS_OUTPUT.PUT_LINE ('Category LOW has '|| countLOW||' recordings');

DBMS_OUTPUT.PUT_LINE ('Category HIGH has '|| countHIGH||'
recordings');

IF sp_cursor%ISOPEN THEN

CLOSE sp_cursor;

END IF;

END;
```

SET SERVEROUTPUT ON; EXECUTE RECORDING SELLING PRICE REPORT;

```
nnections
                                  ☐ Welcome Page × 🔝 DBS311 × 🗓 RECORDING_SELLING_PRICE_REPORT
                                   Code Grants | Details | Errors | Dependencies | Profiles | References
· 🖚 🚱 🛣 🚭
                                   📮 💋 👲 | 🧬 🕶 🕨 🐞 询 | 🔲 🕪 🕼 |
Oracle Connections

    □ DBS311

                                     1  create or replace PROCEDURE Recording_Selling_Price_Report AS
Tables (Filtered)
                                             avgprice NUMBER;
   ⊞ E CATEGORIES
                                     3
                                             countLOW NUMBER;
   ± COUNTRIES
                                             countHIGH NUMBER;
   ⊞ CUSTOMERS
                                     5
                                             sp NUMBER;
   ■ ■ DEPARTMENTS
                                     6
                                             CURSOR sp_cursor IS
                                     7
                                                 SELECT sell_price
   EMPLOYEES
                                     8
                                                 FROM recording;
   ⊞ JOB_GRADES
                                     9
   ⊞ JOB_HISTORY
                                    10
                                         BEGIN
   ∄ ∭ JOBS
                                             countLOW :=0;
                                    11
   ⊞ ■ LABEL_COMPANY
                                    12
                                             countHIGH :=0;
  ⊞ IOCATIONS
                                    13
                                             SELECT AVG(sell_price) INTO avgprice
   ⊕ ORDER_LINE
                                    14
                                             FROM recording;
                                    15
   ■ ■ ORDERS
                                             OPEN sp_cursor;
                                    16
   ⊞ PAYMENT
                                    17 🖃
                                             L00P
   ⊞ PRODUCT_CATEGORIES
                                    18
                                                FETCH sp_cursor INTO sp;
   ⊞ PRODUCTS
                                    19
                                                EXIT WHEN sp_cursor%NOTFOUND;
   ⊞ RECORD_HIST
                                    20
   ⊞ RECORDING
                                    21
                                                IF (sp < avgprice) THEN</pre>
   ⊞ REGION
                                                    countLOW := (countLOW +1);
                                    22
   ⊞ SALES_REP
                                    23
                                                 ELSE countHIGH := (countHIGH +1);
                                    24
                                                END IF:
  ⊞ WAREHOUSES
                                    25
                                             END LOOP;
26
DBMS_OUTPUT.PUT_LINE ('Category LOW has '|| countLOW||' recordings');
DBMS_OUTPUT.PUT_LINE ('Category HIGH has '|| countHIGH||' recordings');
                                    27
🗎 📊 Packages
                                    28
Procedures
                                    29
   30
                                            IF sp cursor%ISOPEN THEN
   31
                                                CLOSE sp_cursor;
                                            END IF:
     ** FIND_EMPLOYEE
                                    32
   33
                                         END;
   GET_FACT
PRODUCT_PRICE_REPORT
     RECORDING_SELLING_PRICE_RE
     UPDATE_PRICE_BY_CAT
   ■ UPDATE_PRICE_UNDER_AVG
```

```
1 SET SERVEROUTPUT ON;
2 EXECUTE RECORDING_SELLING_PRICE_REPORT;

Script Output *

Task completed in 25.404 seconds

Category LOW has 3 recordings
Category HIGH has 4 recordings

PL/SQL procedure successfully completed.
```

PART 4: No-SQL Design

```
db.customers.insert([
{"customer id": "1", "first name": "James", "last name": "Giroux", "email":
"jgiroux1@myseneca.ca",
"dob": "02-OCT-1979", "street": "25 Smith pkwy", "city": "Toronto",
"province": "ON", "postal code": "M2M1X6", "phone num": "(647)-924-
5369"},
{"customer id": "2", "first name": "Robert", "last name": "Smith", "email":
"rsmith2@myseneca.ca",
"dob": "20-JAN-1999", "street": "12 Fuzzy Ln.", "city": "Toronto", "province":
"ON", "postal code": "M4J1L8", "phone num": "(647)-435-1342"},
{"customer id": "3", "first name": "Mike", "last name": "Rand", "email":
"mrand23@myseneca.ca",
"dob": "15-AUG-2001", "street": "2342 Baview Ave", "city": "North York",
"province": "ON", "postal code": "M6J1S4", "phone num": "(416)-723-1755"},
{"customer id": "4", "first name": "Tiffany", "last name": "LeMieu", "email":
"tlemieu@myseneca.ca",
"dob": "06-JUL-1985", "street": "108 Broadview Ave.", "city": "Toronto",
"province": "ON", "postal code": "M1E6F2", "phone num": "(416)-547-1298"},
{"customer_id": "5", "first_name": "Jennifer", "last_name": "Laurence", "email"
: "ilaurence@myseneca.ca",
"dob" : "26-Dec-1989", "street" : "5 Young St.", "city" : "Toronto", "province" :
"ON", "postal code": "M1R2D4", "phone num": "(647)-519-5656"},
{"customer id": "6", "first name": "Donald", "last name": "Dolphin", "email":
"ddolphin@myseneca.ca",
```

```
"dob": "12-FEB-1981", "street": "35 Wooten Way", "city": "Markham",
"province": "ON", "postal code": "L3R4J5", "phone num": "(905)-672-1783"},
{"customer id": "7", "first name": "Mike", "last name": "Tonelli", "email":
"mtonelli@myseneca.ca",
"dob": "14-MAR-1987", "street": "562 Steeles Ave E", "city": "Thornhill",
"province": "ON", "postal code": "L8Z1H5", "phone num": "(905)-719-6429"},
{"customer id": "8", "first name": "Carl", "last name": "Schafer", "email":
"cshafer@myseneca.ca",
"dob": "06-SEP-1967", "street": "1234 Keele St.", "city": "Etobicoke",
"province": "ON", "postal code": "M7G3D8", "phone num": "(647)-846-
5369"},
{"customer id": "9", "first name": "Aida", "last name": "Muldar", "email":
"amulder@myseneca.ca",
"dob": "22-JUL-1960", "street": "123 Moore Park Ave.", "city": "North York",
"province": "ON", "postal code": "M2M2R4", "phone num": "(416)-656-
6656"},
{"customer_id": "10", "first_name": "Amanda", "last_name": "Strathdee",
"email": "astrathdee2@myseneca.ca",
"dob": "02-OCT-1979", "street": "54 Hounslow Ave.", "city": "North York",
"province": "ON", "postal code": "M52J1X", "phone num": "(647)-882-8282"}
1)
db.orders.insert([
  {"order id": "1", "customer id": "3", "order date": "12-NOV-2021",
"order total": "34.56"
  },
  {"order id": "2", "customer id": "1", "order date": "11-OCT-2022",
"order total": "99.95"
  },
  {"order id" : "3", "customer id" : "4", "order date" : "28-JAN-2022",
"order total": "9.99"
  },
  {"order id": "4", "customer id": "8", "order date": "08-AUG-2021",
"order total": "359.8"
  {"order id": "5", "customer id": "6", "order date": "25-NOV-2022",
"order total": "155.88"
  }
])
```

```
db.payment.insert([
  {"card number" : "4520432156788765", "order id" : "1", "card holder" :
"James Giroux", "exp_date" : "02/26", "card_type" : "VISA"
  {"card number" : "4520474592348723", "order id" : "2", "card holder" :
"Robert Smith", "exp date": "08/25", "card type": "VISA"
  },
  {"card number" : "4520659123877634", "order id" : "3", "card holder" : "Mike
Rand", "exp date" : "04/24", "card type" : "VISA"
  {"card number" : "4520675488912546", "order id" : "4", "card holder" :
"Donald Dolphin", "exp date": "09/25", "card type": "VISA"
  },
  {"card number" : "4520657299237610", "order id" : "5", "card holder" : "Carl
Schafer", "exp date": "06/23", "card type": "VISA"
])
db.categories.insert([
  {"category id": "1", "cat desc": "RANDB"},
  {"category id" : "2", "cat desc" : "Jazz"},
  {"category id": "3", "cat desc": "Metal Rock"},
  {"category id": "4", "cat desc": "Alt Rock"},
  {"category_id": "5", "cat_desc": "Easy Rock"},
  {"category id": "6", "cat desc": "Classic Rock"},
  {"category id": "7", "cat desc": "Hip-Hop"}
1)
db.label company.insert([
  {"label id": "100", "label name": "Smooth Records", "website":
"www.smoothrecords.com"},
  {"label id": "200", "label name": "Rockin Records", "website":
"www.rockinrecords.com"}
])
db.region.insert([
  {"region id": "1", "region name": "Americas"},
  {"region id": "2", "region name": "Europe"}
])
```

```
db.sales rep.insert([
  {"rep_id": "10", "label_id": "100", "region_id": "1", "first_name": "Harry",
"last name": "Styles", "phone num": "(416)321-4567", "email":
"hstyles@smoothrecords.com"},
  {"rep id": "20", "label id": "200", "region id": "2", "first name": "Joseph",
"last name": "Smith", "phone num": "(416)454-2556", "email":
"jsmith23@rockinrecords.com"},
  {"rep id": "30", "label id": "100", "region id": "1", "first name": "Jen",
"last name": "Holmes", "phone num": "(647)884-9100", "email":
"iholmes 12@smoothrecords.com"}.
  {"rep id": "40", "label id": "200", "region id": "2", "first name": "Amanda",
"last name": "Jones", "phone num": "(416)444-6523", "email":
"ajones 10@rockinrecords.com"},
  {"rep id": "50", "label id": "100", "region id": "1", "first name": "Barb",
"last name": "Lawrence", "phone num": "(647)222-6565", "email":
"blaurence@smoothrecords.com"},
  {"rep id": "60", "label id": "200", "region id": "2", "first name": "Richard",
"last name": "Wessel", "phone num": "(416)434-1212", "email":
"rwessel@rockinrecords.com"}
])
db.recording.insert([
  {"recording id": "10", "title": "Whats Going On", "artist": "Marvin Gaye",
"sell price": "15.25", "qty stock": "34", "category id": "1", "label id": "200"},
  {"recording id": "20", "title": "Kind of Blue", "artist": "Miles Davis",
"sell price": "19.99", "qty stock": "22", "category id": "2", "label id": "200"},
  {"recording id": "30", "title": "Ride the Lightning", "artist": "Metalica",
"sell price": "9.99", "qty stock": "12", "category id": "3", "label id": "100"},
  {"recording id": "40", "title": "Nevermind", "artist": "Nirvana", "sell price":
"9.99", "qty stock": "12", "category id": "4", "label id": "100"},
  {"recording id": "50", "title": "Rhumers", "artist": "Fleetwood Mac",
"sell price": "17.99", "qty stock": "18", "category id": "5", "label id": "100"},
  {"recording id": "60", "title": "Dark Side of the Moon", "artist": "Pink Floyd",
"sell price": "25.98", "qty stock": "2", "category id": "6", "label id": "100"},
  {"recording id": "70", "title": "Ready to Die", "artist": "The Notorius BIG",
"sell price": "25.98", "qty stock": "35", "category id": "7", "label id": "200"}
1)
db.order line.insert([
```

```
{"line num": "1", "order id": "1", "recording id": "10", "qty": "2",
"act price": "15.25"},
  {"line num": "2", "order id": "2", "recording id": "20", "qty": "5",
"act price": "19.99"},
  {"line num": "3", "order id": "3", "recording id": "30", "qty": "1",
"act price": "9.99"},
  {"line_num": "4", "order_id": "4", "recording id": "40", "qty": "20",
"act price": "17.99"},
  {"line num": "5", "order id": "5", "recording id": "50", "qty": "6",
"act price": "25.98"}
])
db.record hist.insert([
  {"price num": "1", "recording id": "10", "price": "15.25", "st date": "01-
JAN-2020"},
  {"price num" : "2", "recording id" : "20", "price" : "19.99", "st date" : "01-
JAN-2020"},
  {"price num" : "3", "recording id" : "30", "price" : "9.99", "st date" : "01-JAN-
2020"},
  {"price num" : "4", "recording id" : "40", "price" : "17.99", "st date" : "01-
JAN-2020"},
  {"price num" : "5", "recording id" : "50", "price" : "25.98", "st date" : "01-
JAN-2020"}
])
```