

1. Administrator creates a keyspace for the application. Keyspace

name: tranz_metro.

```
create keyspace tranz_metro WITH replication = {'class': 'SimpleStrategy',
'replication_factor' : 3};
```

```
cqlsh> create keyspace tranz_metro WITH replication = {'class': 'SimpleStrategy', 'replication_factor' : 3};
cqlsh> use tranz_metro;
```

2. Administrator creates accounts for drivers:

2.1 Create a table for drivers if not exists. Table name: driver. Columns: driver_name (unique, if not exists, primary key), password (string), mobile (number), current_position (string), skill (set type with strings)

```
create table if not exists driver(driver_name text ,password text,mobile int,current_position
text, skill set <text>,primary key(driver_name));
```

```
cqlsh:tranz_metro> create table if not exists driver(driver_name text ,password text,mobile int,current_position text, skill set <text>,primary key(driver_name));
cqlsh:tranz_metro> describe table;
```

2.2 Seed the initial drivers data.

```
cqlsh:tranz_metro> describe table;
Improper describe command.
cqlsh:tranz_metro> describe driver;

CREATE TABLE tranz_metro.driver (
  driver_name text PRIMARY KEY,
  current_position text,
  mobile int,
  password text,
  skill set<text>
) WITH bloom_filter_fp_chance = 0.01
   AND caching = {'keys': 'ALL', 'rows_per_partition': 'NONE'}
   AND comment = ''
   AND compaction = {'class': 'org.apache.cassandra.db.compaction.SizeTieredCompactionStrategy', 'max_threshold': '32', 'min_threshold': '4'}
   AND compression = {'chunk_length_in_kb': '64', 'class': 'org.apache.cassandra.io.compress.LZ4Compressor'}
   AND crc_check_chance = 1.0
   AND dclocal_read_repair_chance = 0.1
   AND default_time_to_live = 0
   AND gc_grace_seconds = 864000
   AND max_index_interval = 2048
   AND memtable_flush_period_in_ms = 0
   AND min_index_interval = 128
   AND read_repair_chance = 0.0
   AND speculative_retry = '99PERCENTILE';

InvalidRequest: Error from server: code=2200 [invalid query] message=Invalid list literal for skill of type set<text>
cqlsh:tranz_metro> insert into driver(driver_name,password,mobile,current_position,skill) values('mark','abc123',70301545,'developer',{'java'});
cqlsh:tranz_metro> select * from driver;

driver_name | current_position | mobile | password | skill
-----+-----+-----+-----+-----
mark | developer | 70301545 | abc123 | {'java'}
```