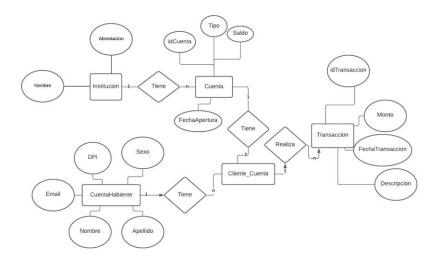
Correcciones a modelos

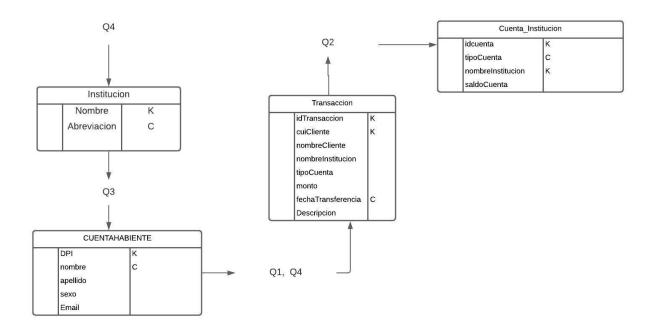
Se modificaron los modelos conceptuales y lógicos ya que se habían maquetado de mala forma, no se coloco la nomenclatura adecuada además de esto no se colocaron las llaves primarias y los clusters.

Adicional a esto se replantearon los dos modelos ya que no se adaptaban del todo a las consultas solicitadas, por lo que tanto el modelo conceptual como lógico sufrieron cambios los cuales se muestran a continuación.

Modelo conceptual:



Modelo Lógico:



Creación de tablas

AND min_index_interval = 128

cqlsh:proyecto> _

AND read_repair_chance = 0.0
AND speculative_retry = '99PERCENTILE';

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```
cqlsh:proyecto> describe table institucion;
CREATE TABLE proyecto.institucion (
      nombre text,
       abreviacion text,
       PRIMARY KEY (nombre, abreviacion)
   WITH CLUSTERING ORDER BY (abreviacion DESC)
       AND 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': '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';
cqlsh:proyecto>
timestamp,
ext.
αt,
αt,
dTransaccion). fechaCreacion. fechaOperacion)
                                                                                                                                                        ESP
                                               w
                                                                                                                                     へ 智 (1) (6)
                                                                                                                                                               28/04/2021
 cqlsh:proyecto> describe table cuentahabiente;
 CREATE TABLE proyecto.cuentahabiente (
      dpi bigint,
       nombre text, apellido text,
       email text,
   sexo text,
telefono int,
PRIMARY KEY (dpi, nombre)
WITH CLUSTERING ORDER BY (nombre DESC)
      AND 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 dcford_read_repair_chance = 0.1
      AND defoult_time_to_live = 0

AND gc_grace_seconds = 864000

AND max_index_interval = 2048

AND memtable_flush_period_in_ms = 0
```

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Juan Jose Lima Ramirez 201503738

qlsh:proyecto>

```
cqlsh:proyecto> describe table CUENTA;
CREATE TABLE proyecto.cuenta (
idcuenta bigint,
       fechaapertura timestamp,
       saldo int,
       tipo text,
  PRIMARY KEY (idcuenta, fechaapertura)
WITH CLUSTERING ORDER BY (fechaapertura DESC)
      AND 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';
cqlsh:proyecto> _
                                                                                                                                                               へ 🔄 🗘) 🦟 ESP
       🜣 👰 🔤 🔼 🐠 💌 we
                                                                                                                                                                                                               23
                                                                                                                                                                                             28/04/2021
cqlsh:proyecto> DESCRIBE TABLE CLIENTE_CUENTA;
CREATE TABLE proyecto.cliente_cuenta (
      idcuenta bigint,
      idcliente bigint,
      tipocuenta text.
      nombrecliente text,
      nombreinstitucion text,
  saldocuenta bigint,
PRIMARY KEY ((idcuenta, idcliente), tipocuenta)
WITH CLUSTERING ORDER BY (tipocuenta DESC)
AND 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 compression = { 'Chunk_length_in_

AND crc_check_chance = 1.0

AND delocal_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 = 120
      AND min_index_interval = 128
      AND read_repair_chance = 0.0
AND speculative_retry = '99PERCENTILE';
```

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Juan Jose Lima Ramirez 201503738

```
cqlsh:proyecto> describe table transaccion;
CREATE TABLE proyecto.transaccion (
     idtransaccion bigint,
    cuicliente bigint,
     fechatransferencia timestamp,
    descripcion text,
    monto bigint,
    nombrecliente text,
    nombreinstitucion text,
    tipocuenta text,
PRIMARY KEY ((idtransaccion, cuicliente), fechatransferencia)
  WITH CLUSTERING ORDER BY (fechatransferencia DESC)
    AND 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_min_threshold': '4'}
    ____AND compression = {'chunk_length_in_kb': '64', 'class': 'org.apache.cassandra.io.compress.LZ4Compre
     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';
cqlsh:proyecto> _
                                                                                                                23:34
                                                                                                        ESP
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              w
                                                                                         ^ <del>=</del> ◆) //
                                                                                                        LAA 28/04/2021
```

Juan Jose Lima Ramirez 201503738

```
cqlsh:proyecto> describe table transacciones;

CREATE TABLE proyecto.transacciones (
    idtransaccion bigint,
    fechadebito timestamp,
    fechacredito timestamp,
    idcuentacredito bigint,
    nombreinstitucioncredito text,
    nombreinstitucioncredito text,
    tipocuentacredito text,
    tipocuentacredito text,
    tipocuentacredito text,
    tipocuentacredito text,
    PRIMARY KEY (idtransaccion, fechadebito, fechacredito)
) WITH CLUSTERINO ORDER BY (fechadebito DESC, fechacredito DESC)

AND bloom filter fp_chance = 0.01

AND canning = ('keys': 'ALL', 'rows_per_partition': 'NONE')

AND comment = ''

AND compaction = {'class': 'org.apache.cassandra.db.compaction.SizeTieredCompactionStrategy', 'max_threshold': '32',
    'min_threshold': '4'}

AND compaction = {'class': 'org.apache.cassandra.db.compaction.SizeTieredCompactionStrategy', 'max_threshold': '32',
    'min_threshold': '4'}

AND compaction = {'class': 'org.apache.cassandra.io.compress.LZ4Compressor'}

AND compaction = { 'chunk_length_in_kb': '64', 'class': 'org.apache.cassandra.io.compress.LZ4Compressor'}

AND compaction = { 'chunk_length_in_kb': '64', 'class': 'org.apache.cassandra.io.compress.LZ4Compressor'}

AND default_time_to_live = 0

AND default_time_to_live = 0

AND g_grace_seconds = 864800

AND max_index_interval = 2048

AND memtable_flush_period_in_ms = 0

AND memtable_flush_period_i
```

cqlsh:proyecto>

Reportes

Operaciones realizadas por cuentahabiente

```
cqlsh:proyecto> select cuiCliente, nombreCliente, tipoCuenta, monto,descripcion, fechaTransferencia
            ... from transaccion
            ... where cuiCliente = 2344960856 allow filtering;
                                              | monto | descripcion | fechatransferencia
cuicliente | nombrecliente | tipocuenta
2344960856
                      Alfie
                              Monetaria en Q
                                                            Credito
                                                                       2020-03-21 18:00:00.000000+0000
                                                 9456
 2344960856
                      Alfie
                              Monetaria en $
                                                 7846
                                                             Debito
                                                                       2020-03-18 18:00:00.000000+0000
                      Alfie
2344960856
                              Monetaria en Q
                                                 6470
                                                            Credito
                                                                       2020-10-28 18:00:00.000000+0000
2344960856
                      Alfie
                              Monetaria en $
                                                 3414
                                                             Debito
                                                                       2020-09-14 18:00:00.000000+0000
2344960856
                      Alfie
                              Monetaria en Q
                                                 9454
                                                            Credito
                                                                       2020-10-29 18:00:00.000000+0000
                      Alfie
                                                                       2021-02-19 18:00:00.000000+0000
2344960856
                              Monetaria en Q
                                                 8855
                                                             Debito
2344960856
                      Alfie
                              Monetaria en $
                                                 3874
                                                             Debito
                                                                       2021-01-13 18:00:00.000000+0000
                      Alfie
                              Monetaria en $
                                                             Debito
2344960856
                                                 8776
                                                                       2020-02-07 18:00:00.000000+0000
                      Alfie
 2344960856
                              Monetaria en $
                                                 9995
                                                            Credito
                                                                       2020-07-10 18:00:00.000000+0000
                      Alfie
2344960856
                                                 7205
                                                            Credito
                                                                       2020-06-17 18:00:00.000000+0000
                                      Ahorro
2344960856
                      Alfie
                              Monetaria en Q
                                                  653
                                                             Debito
                                                                       2021-03-04 18:00:00.000000+0000
                      Alfie
                              Monetaria en Q
2344960856
                                                 7170
                                                            Credito
                                                                       2021-01-27 18:00:00.0000000+0000
                              Monetaria en Q
 2344960856
                      Alfie
                                                 6835
                                                            Credito
                                                                       2020-10-31 18:00:00.000000+0000
                      Alfie
2344960856
                              Monetaria en $
                                                 3745
                                                             Debito
                                                                       2020-10-16 18:00:00.000000+0000
2344960856
                      Alfie
                              Monetaria en Q
                                                 7091
                                                            Credito
                                                                       2021-02-17 18:00:00.000000+0000
 2344960856
                      Alfie
                              Monetaria en O
                                                 3597
                                                             Debito
                                                                       2020-03-02 18:00:00.000000+0000
                      Alfie
                              Monetaria en Q
                                                            Credito
                                                                       2020-11-08 18:00:00.000000+0000
2344960856
                                                 1034
                      Alfie
2344960856
                              Monetaria en $
                                                 6782
                                                            Credito
                                                                       2020-04-14 18:00:00.000000+0000
2344960856
                      Alfie
                                      Ahorro
                                                 8245
                                                            Credito
                                                                       2020-10-10 18:00:00.000000+0000
 2344960856
                      Alfie
                                                 8521
                                                             Debito
                                                                       2020-01-17 18:00:00.000000+0000
                              Monetaria en Q
                      Alfie
                                                             Debito
2344960856
                              Monetaria en $
                                                 4935
                                                                       2020-03-03 18:00:00.000000+0000
2344960856
                      Alfie
                              Monetaria en Q
                                                 3567
                                                            Credito
                                                                       2020-01-01 18:00:00.000000+0000
                      Alfie
                              Monetaria en Q
 2344960856
                                                            Credito
                                                                       2020-03-14 18:00:00.000000+0000
                                                 2606
 2344960856
                      Alfie
                              Monetaria en $
                                                 5131
                                                             Debito
                                                                       2021-03-11 18:00:00.000000+0000
                      Alfie
2344960856
                              Monetaria en O
                                                 9717
                                                             Debito
                                                                       2020-08-17 18:00:00.000000+0000
2344960856
                      Alfie
                              Monetaria en $
                                                 7349
                                                            Credito
                                                                       2020-10-21 18:00:00.000000+0000
 2344960856
                      Alfie
                              Monetaria en $
                                                 5463
                                                            Credito
                                                                       2021-02-08 18:00:00.000000+0000
                      Alfie
                                                                       2020-07-26 18:00:00.000000+0000
2344960856
                              Monetaria en Q
                                                 9675
                                                            Credito
                      Alfie
                                                 554
                                                             Debito
2344960856
                                      Ahorro
                                                                       2021-03-07 18:00:00.000000+0000
                      Alfie
                              Monetaria en Q
                                                                       2020-05-21 18:00:00.000000+0000
2344960856
                                                 7237
                                                             Debito
 2344960856
                      Alfie
                              Monetaria en Q
                                                 5561
                                                             Debito
                                                                       2020-07-11 18:00:00.000000+0000
                      Alfie
                              Monetaria en $
                                                            Credito
                                                                       2020-10-05 18:00:00.000000+0000
2344960856
                                                 7753
2344960856
                      Alfie
                              Monetaria en Q
                                                 9454
                                                             Debito
                                                                       2020-10-29 18:00:00.000000+0000
2344960856
                      Alfie
                              Monetaria en Q
                                                 4761
                                                            Credito
                                                                      2020-05-04 18:00:00.000000+0000
(34 rows)
cqlsh:proyecto>
                                                                                            17:10
                                                                         へ 🖅 🗘) ((,
           w
                  0
                                                                                                    导
                                                                                      LAA
                                                                                          28/04/2021
cqlsh:proyecto> select count(*
            ... from transaccion
            ... where cuiCliente = 2344960856 allow filtering
            ...;
 count
    34
(1 rows)
```

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LAA 28/04/2021

Reporte de totales de créditos y débitos para la institución Banco Promerica

Total crédito

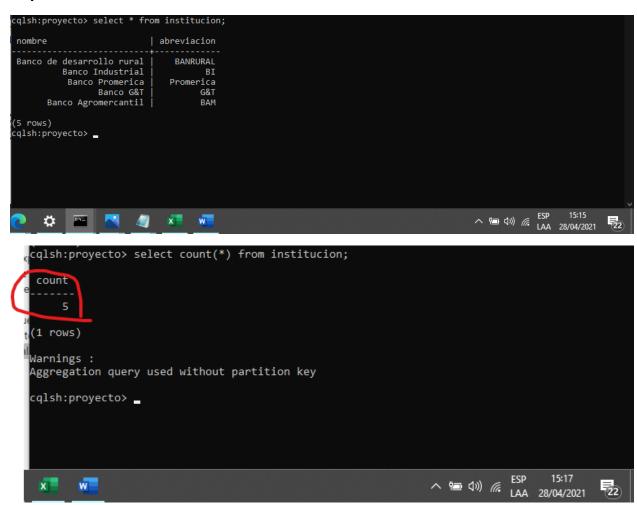
Total debito

Reporte cuentahabientes

lsn:proyect	to> select * :	from cuentahabiente	cuentahabiente;	
dpi	nombre	apellido	email	sexo
7422400781	Phaidra	Thornthwaite	pthornthwaitea@reddit.com	Female
6920115220	Morgun	Coots	mcoots11@reuters.com	Female
3179095431	Inga	Cromleholme	icromleholmet@artisteer.com	Female
5878519224	Paul	Fleming	pflemingz@ft.com	Male
7361225500	Alexander	Amor	aamor2n@tinyurl.com	Female
2720935689	Daffy	Marages	dmarages8@360.cn	Male
2344960856	Alfie	Castellaccio	acastellaccio1c@wsj.com	Female
1962610551	Nelia	Hathway	nhathway2f@joomla.org	Female
4474118367	Puff	Huerta	phuerta1x@opensource.org	Female
3345353652	Vassili	Drowsfield	vdrowsfield2k@devhub.com	Male
1653130695 5413394497	Horatia	Brumpton	hbrumpton1k@engadget.com zstaintonskinn2c@plala.or.jp	Female
5413394497 5981272008	Zack Kizzie	Stainton - Skinn Pettman	zstaintonskinnzc@piala.or.jp kpettman1j@weebly.com	Female Female
1432225464	Chrissy	Fells	cfells17@eventbrite.com	Female
1187255777	Abigale	Crann	acrann1g@cafepress.com	Male
3418211453	Ardys	Cave	acave2e@unblog.fr	Male
8068530312	Luelle	Barenskie	lbarenskie16@about.me	Male
930849132	Bobbette	Dutton	bdutton6@hao123.com	Female
7589827045	Leann	Buncher	lbuncheri@scribd.com	Female
270162925	Giordano	Rimington	grimingtonb@tmall.com	Female
2286509069	Devin	Sheere	dsheere23@bluehost.com	Female
208181717	Boote	Pina	bpina24@npr.org	Male
7154849568	Burgess	Goudy	bgoudy1a@reference.com	Male
1581008589	Caryn	Kirkham	ckirkhamf@instagram.com	Female
3601075148	Willie	Brahan	wbrahane@symantec.com	Female
1909436437	Hali	Peebles	hpeebles12@gizmodo.com	Male
5290621491	Ike	Nickels	inickels25@squidoo.com	Male
9158606432	Gearard	Laye	glaye2j@oaic.gov.au	Male
4464029000	Sascha	Kennedy	skennedyc@cam.ac.uk	Male
5981356200	Gracia	Burchill	gburchilll@baidu.com	Female
7819264039	Arlin	Bruckner	abruckner2h@nasa.gov	Male
9488599294	Leonid	Berrey	lberrey2b@123-reg.co.uk	Female
9622621546 5668839878	Cherise Tina	Pluvier De Beauchemp	cpluvier2o@hao123.com tdebeauchemp10@senate.gov	Male Female
6467582497	Deni	Tarn	dtarn1u@cornell.edu	Female
7964176803	Neill	Esser	nesserh@amazon.com	Female
4380702766	Antonetta	Bowler	abowlerv@cmu.edu	Male
7858016997	Jarid	McEniry	jmceniry1d@angelfire.com	Male
3693967563	Raff	Meah	rmeah27@washingtonpost.com	Male
4113842388	Arron	Dalziel	adalziel2g@narod.ru	Female
7341877243	Esme	Seifenmacher	eseifenmacher1z@free.fr	Female
4640351089	Sax	Stephenson	sstephensonj@cnn.com	Female
1952883946	Stormy	Mathieu	smathieu1i@dell.com	Male
4650277515	Willy	Geraldo	wgeraldo2d@ox.ac.uk	Male
5310900986	Dahlia	Greiser	dgreiser1o@icio.us	Female
9835876975	Joelynn	De Gregoli	jdegregoli1s@harvard.edu	Female
2897073799	Riva	Gaven	rgaven9@live.com	Female
6816494733	Maggee	Shergold	mshergold14@hud.gov	Female
1805028979	Arleta	Umbert	aumbert13@lulu.com	Male
3808552263	Reinwald	Raphael	rraphaelr@jiathis.com	Male
3199681735	Jeanne	Ciottoi	jciottoi18@un.org	Female
3640571546 2320648240	Carmita	Hiscoke	chiscoke1v@ucsd.edu	Female
791637586	Jeanie Locke	Badman Kordas	jbadmanu@toplist.cz	Male Female
456388384	Sunny	Kordas Alvin	lkordas7@aboutads.info salvins@hatena.ne.jp	Female Male
5456388384 5154977174	Sunny Elnore	AIVIN Foy	salvins@natena.ne.jp efoy19@smh.com.au	Male Male
2293547442	Manuel	Foy Gouldstone	eroyi9@smn.com.au mgouldstonen@jimdo.com	Male Female
7652775906	Cully	Gouldstone Matyugin	mgodiusconen@jimdo.com cmatyugin1y@epa.gov	remale Male
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Reporte instituciones bancarias



Reporte de movimientos por cuentahabiente por mes.

