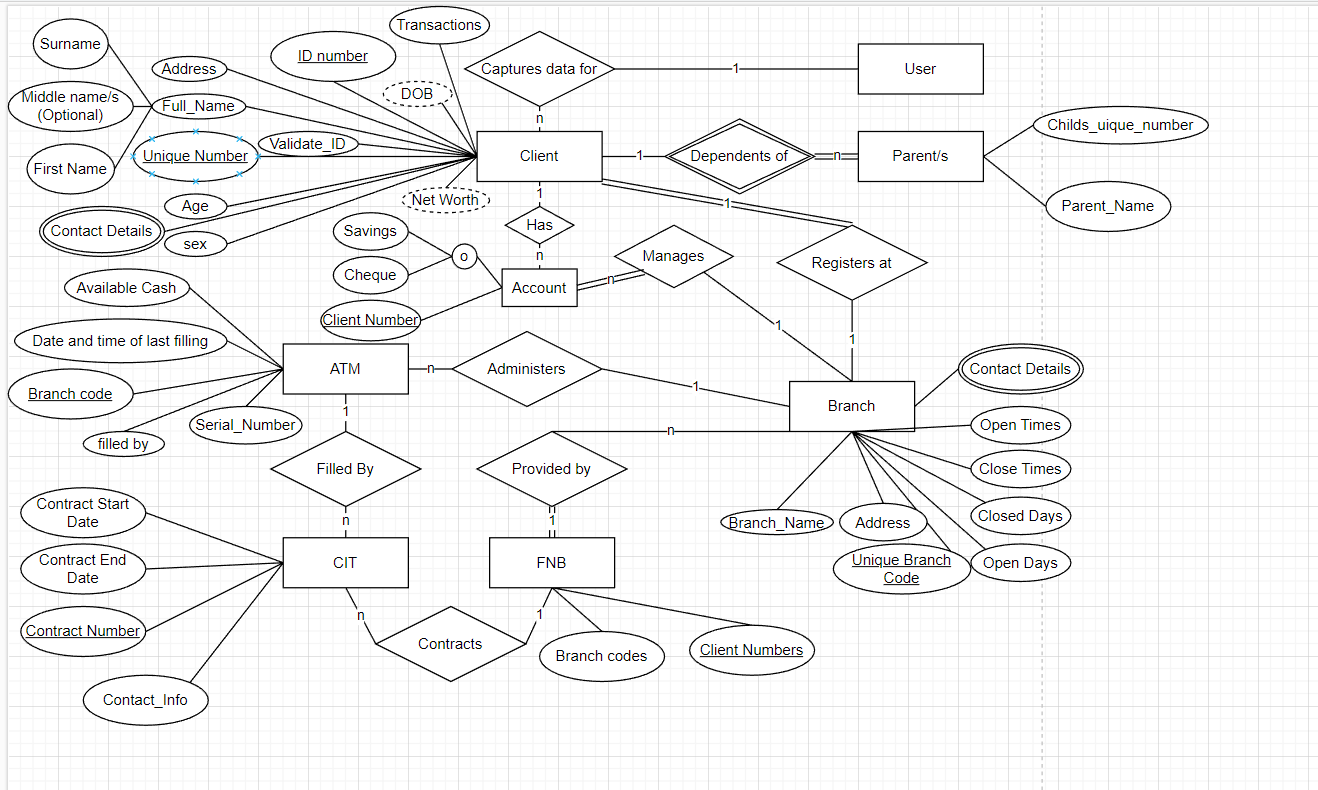
Task 1



Task 2



Task 3

Step 1: Mapping of Regular Entity Types Creating relations for each strong entity type.

Graphical user interface, text, application, email

Description automatically generated

Step 2: Mapping of Weak Entity Types Adding in relations for each weak entity type.

Graphical user interface, text, email

Description automatically generated

Step 3: Mapping of Binary 1:1 Relationship Types Creating links between all the 1:1 relationships.

Graphical user interface, application

Description automatically generated

Step 4: Mapping of Binary 1:N Relationship Types.

Graphical user interface, application

Description automatically generated

Step 5: Mapping of Binary M:N Relationship Types. My modal has no M:N relations. Step 6: Mapping of Multivalued Attributes. Names is split up into Fname, Mname and Lname.

Graphical user interface

Description automatically generated

Step 7

Graphical user interface, Word

Description automatically generated with medium confidence

Task 4

Account:

A screenshot of a computer

Description automatically generated with medium confidence

ATM:

A screenshot of a computer

Description automatically generated with medium confidence

Branch:

A screenshot of a computer

Description automatically generated with medium confidence

CIT:

A screenshot of a computer

Description automatically generated with medium confidence

Clients:

A screenshot of a computer

Description automatically generated with medium confidence

FNB:

A screenshot of a computer screen

Description automatically generated with medium confidence

Parents:

A screenshot of a computer

Description automatically generated with medium confidence

Task 5

5.1: **SELECT** Full\_Name, DOB, Address, Sex

**FROM** clients

5.2: **DROP EXTENSION** Unique\_Branch\_Code

**WHERE** Unique\_Branch\_Code = 1;

5.3: **SELECT** \*

**FROM** clients

**WHERE** Validate\_ID = 0

5.4: **UPDATE** ATM

**SET** Branch\_Code = 2

**WHERE** Branch\_Code = 1;

Task 6

6.1: σ(Serial\_Number like 'ABC123%') (atm)

6.2: Concat 🡨 CIT U ATM

From that

π (Contact\_Info)(Branch\_Code = 3)(Concat)

6.3:

π(Full\_Name, Contact\_Details)(Transactions\_per\_year > 24)(Clients)

Task 7

Please refer to the file for SQL dump.