

Course: 158.337 Database Development

Assessment: Project 1, Part A

Group Members:

Name	Student ID
Lukas Jehle	20009320
Ashleigh Heath	13040230
Tomasz McDowell	22010138

Logical Relational Model

Dependency Diagram Version 1 ([link here](#))

Table Name: Student (3NF)

STUDENT_ID	STUDENT_FNAME	STUDENT_LNAME	STUDENT_HOME_ADDRESS	STUDENT_DOB	STUDENT_GENDER	STUDENT_CATEGORY	STUDENT_NATIONALITY	STUDENT_SMOKER	STUDENT_COMMENTS	STUDENT_STATUS	DEGREE_ID
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Table Name: Advisor (3NF)

ADVISOR_ID	ADVISOR_FNAME	ADVISOR_LNAME	ADVISOR_DEPARTMENT	ADVISOR_POSITION	ADVISOR_PHONE	ADVISOR_ROOM_NUMBER
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Table Name: Invoice (2NF)

INVOICE_NUMBER	LEASE_ID	INVOICE_SEMESTER	INVOICE_PAYMENT_DUE	INVOICE_REMINDER_DATE_FIRST	INVOICE_REMINDER_DATE_SECOND	INVOICE_DATE_PAID
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Table Name: Studio (3NF)

STUDIO_UNIT_NUMBER	STUDIO_RENT_RATE	STUDIO_FURNISHED
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Table Name: Staff (3NF)

STAFF_ID	STAFF_FNAME	STAFF_LNAME	STAFF_HOME_ADDRESS	STAFF_DOB	STAFF_LOCATION
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Table Name: Next_Of_Kin (3NF)

STUDENT_ID	NOK_FNAME	NOK_LNAME	NOK_RELATIONSHIP	NOK_PHONE	NOK_ADDRESS
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Table Name: Flat Room (3NF)

FLAT_ROOM_PLACE_NUMBER	FLAT_ROOM_NUMBER	FLAT_ROOM_RENT_RATE	FLAT_NUMBER
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Dependency Diagram Version 1 ([link here](#))

Table Name: Flat (3NF)

FLAT_NUMBER	FLAT_ADDRESS	FLAT_NUMBER_ROOMS
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Table Name: Degree (3NF)

DEGREE_ID	DEGREE_TITLE	DEGREE_DIRECTOR_FNAME	DEGREE_DIRECTOR_LNAME	DEGREE_PHONE	DEGREE_ROOM_NUMBER	DEGREE_DEPT_NAME
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Table Name: Lease_Agreement (3NF)

LEASE_ID	LEASE_DURATION_MONTHS	STUDENT_ID	LEASE_PLACE_NUMBER	LEASE_ROOM_NUMBER	LEASE_ADDRESS	LEASE_START_DATE	LEASE_END_DATE	LEASE_MOVE_IN_DATE	LEASE_MOVE_OUT_DATE
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Table Name: Hall_Room (3NF)

HALL_ROOM	HALL_ROOM_NUMBER	HALL_ROOM_RENT_RATE	HALL_ROOM_CATEGORY
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Table Name: Hall (3NF)

HALL_ID	HALL_NAME	HALL_ADDRESS	HALL_PHONE	HALL_MANAGER
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Table Name: Inspection (3NF)

INSPECTION_ID	STAFF_ID	INSPECTION_DATE	INSPECTION_RATING	INSPECTION_COMMENTS
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Dependency Diagram Version 2 (link [here](#))

Table Name: Place (3NF)

PLACE_ID	STUDENT_ID	PLACE_TYPE	PLACE_MONTHLY RENT
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Place was introduced as a way to ensure that each accommodation room, regardless of type, could be uniquely identified and tied to Student_ID. By having Place, NULLs were also reduced in Student. This is because without Place, Hall_Room, Studio, and Flat_Room would need to exist as foreign keys within student. This would mean that at least 2 of those accommodation rooms would be always be NULL as a student can only rent 1 accommodation type at a time.

Table Name: Hall_Room (3NF)

PLACE_ID	HALL_ID	HALL_ROOM_NUM BER	HALL_ROOM_CATE RING
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PLACE_ID was added as a primary key, and attributes relating to RENT were moved to Place

Table Name: Flat Room (3NF)

PLACE_ID	FLAT_ROOM_NUMBER	FLAT_NUMBER
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PLACE_ID was added as a primary key, and attributes relating to RENT were moved to Place

Table Name: Studio (3NF)

PLACE_ID	STUDIO_UNIT_NUMBE R	STUDIO_FURNISHED
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PLACE_ID was added as a primary key, and attributes relating to RENT were moved to Place

Dependency Diagram Version 2 (link [here](#))

Table Name: Student (3NF)

STUDENT_ID	DEGREE_ID	ADVISOR_ID	STUDENT_FNAME	STUDENT_LNAME	STUDENT_HOME_ADDRESS	STUDENT_DOB	STUDENT_GENDER	STUDENT_CATEGORY	STUDENT_NATIONALITY	STUDENT_SMOKER	STUDENT_COMMENTS	STUDENT_STATUS
------------	-----------	------------	---------------	---------------	----------------------	-------------	----------------	------------------	---------------------	----------------	------------------	----------------

Added ADVISOR_ID as FK

Table Name: Next_Of_Kin (3NF)

STUDENT_ID	NOK_FNAME	NOK_LNAME	NOK_RELATIONSHIP	NOK_PHONE	NOK_ADDRESS
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No changes to Next of Kin table

Table Name: Advisor (3NF)

ADVISOR_ID	ADVISOR_FNAME	ADVISOR_LNAME	ADVISOR_DEPARTMENT	ADVISOR_POSITION	ADVISOR_PHONE	ADVISOR_ROOM_NUMBER
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No changes to Advisor table

Table Name: Invoice (3NF)

INVOICE_NUMBER	LEASE_ID	INVOICE_SEMESTER	INVOICE_PAYMENT_DUE	INVOICE_DATE_PAID	INVOICE_PAYMENT_METHOD
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Table Name: Invoice_Reminder
(3NF)

REMINDER_NUMBER	INVOICE_NUMBER	INVOICE_REMINDER_DATE
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We changed Invoice into Invoice and Invoice_Reminder

Dependency Diagram Version 2 (link [here](#))

Table Name: Accommodation_Staff(3NF)



STAFF_ID	STAFF_FNAME	STAFF_LNAME	STAFF_STREET_NUM	STAFF_STREET_NAME	STAFF_SUBURB	STAFF_DOB	STAFF_LOCATION	STAFF_ROLE
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We changed Staff to become Accommodation_Staff. We also split the address into separate categories for number, name, suburb and city. We also added the staff role

Table Name: Inspection (3NF)



INSPECTION_ID	STAFF_ID	INSPECTION_DATE	INSPECTION_RATING	INSPECTION_COMMENTS
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No changes to the Inspection table

Table Name: Flat (3NF)



FLAT_NUMBER	FLAT_ADDRESS	FLAT_ROOM_COUNT
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FLAT_NUMBER_ROOMS became FLAT_ROOM_COUNT

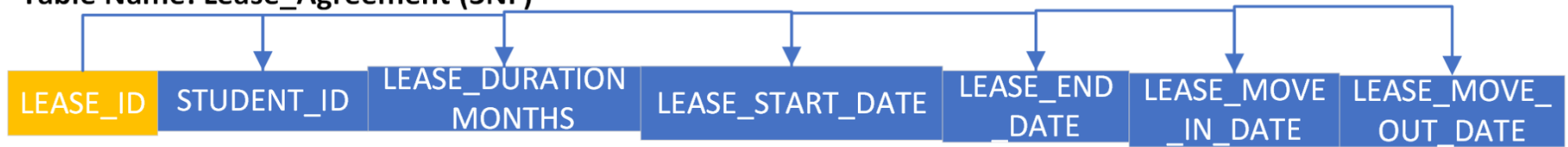
Table Name: Degree (3NF)



DEGREE_ID	DEGREE_TITLE	DEGREE_DIRECTOR_FNAM	DEGREE_DIRECTOR_LNAME	DEGREE_PHONE	DEGREE_ROOM_NUMBER	DEGREE_DEPT_NAME
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No changes to the Degree table

Table Name: Lease_Agreement (3NF)



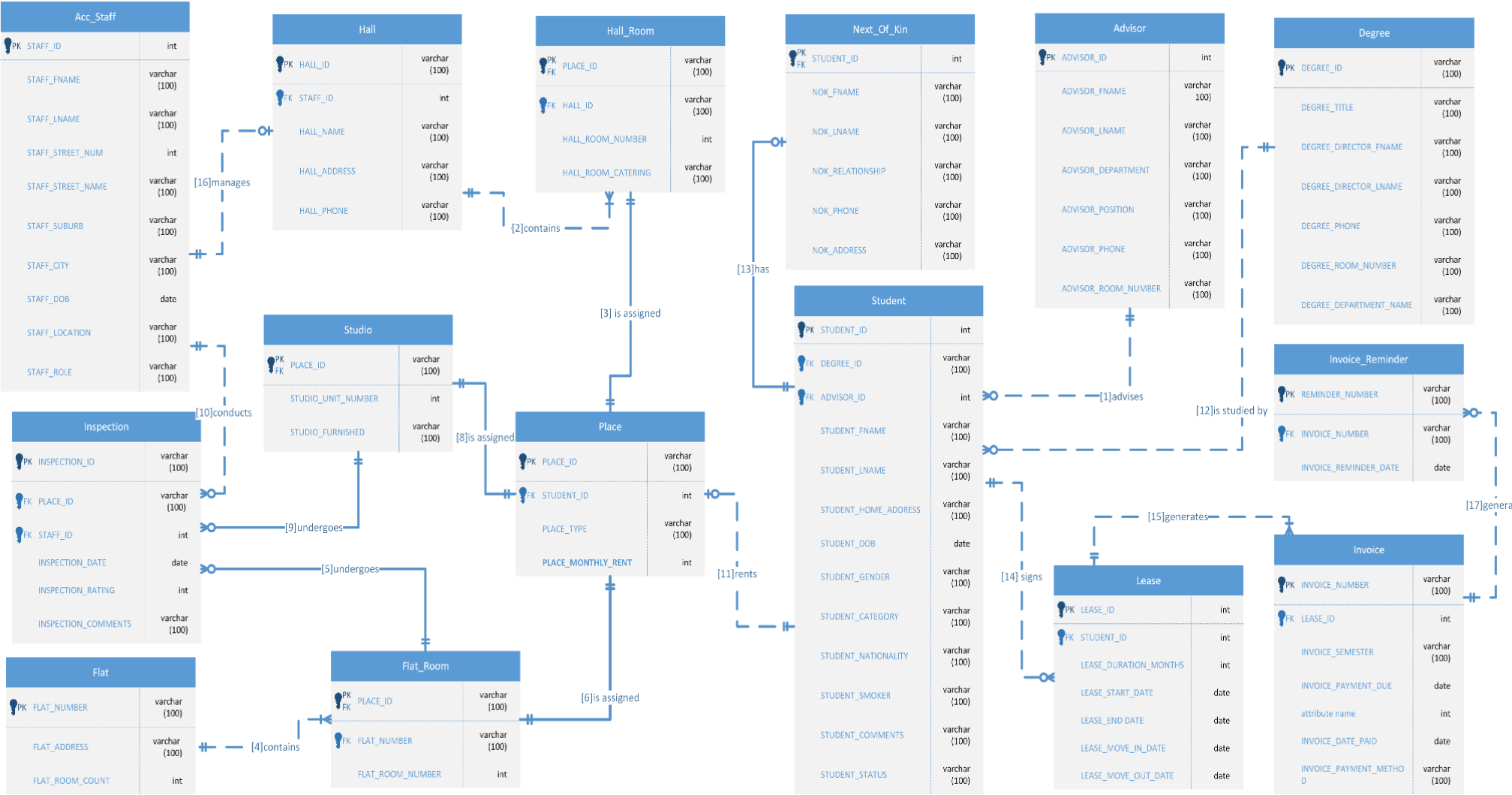
LEASE_PLACE_NUMBER, LEASE_ROOM_NUMBER, and LEASE_ADDRESS was removed as we realised this data would come from STUDENT_ID

Table Name: Hall (3NF)



HALL_MANAGER was modified to foreign key STAFF_ID from Accommodation Staff table

Final Entity Relationship Diagram (link: [here](#))



Business Rules

NOTE: # correlates with association/relationship in entity relationship diagram above

#	Relationship Classification	Rule 1	Rule 2
1	1:M	An advisor may advise many students	A student is advised by 1 advisor
2	1:M	A hall of residence contains many hall rooms	A hall room is contained within 1 hall of residence
3	1:1	A hall room is assigned to 1 place	A place is assigned to 1 hall room
4	1:M	A student flat has many flat rooms	A flat room is contained within 1 student flat
5	1:M	A flat room may undergo many inspections	An inspection takes place within 1 flat room
6	1:1	A flat room is assigned to 1 and only 1 place	A place is assigned to 1 and only 1 flat room
8	1:1	A studio is assigned 1 place	A place is assigned to 1 studio
9	1:M	A studio may undergo many inspections	An inspection takes place within 1 studio
10	1:M	An accommodation staff member may conduct many inspections	An inspection is conducted by 1 staff member
11	1:1	A student may rent 1 place	A place is rented by 1 student
12	1:M	A degree may be studied by many students	A student may study 1 degree
13	1:1	A student may have 1 next of kin	A next of kin is associated with 1 student
14	1:M	A student may sign many lease agreements	A lease agreement is signed by 1 student
15	1:M	A lease agreement generates many invoices	An invoice is generated by 1 lease agreement

16	1:M	An accommodation staff member may manage a hall of residence	A hall of residence is managed by 1 accommodation staff member
17	1:M	An invoice may generate many reminders	A reminder is generated by 1 invoice

Assumptions

1. An advisor may currently be advising zero students.
2. An accommodation staff member who conducts inspections is separate from a university staff member who advises students
3. A degree could be studied by zero students.
4. A student may reside in a place offered by Te Ohanga Village even if they have completed their degree or have not yet chosen their degree (zero degrees)
5. An accommodation staff member may manage many halls of residence.
6. Accommodation staff can both manage H.O.R. *and* conduct inspections for studio/student flat

Create Tables SQL Script

```
CREATE TABLE DEGREE (  
    DEGREE_ID VARCHAR(100) PRIMARY KEY NOT NULL, /*Changed this from int to varchar*/  
    DEGREE_TITLE VARCHAR(100) NOT NULL,  
    DEGREE_DIRECTOR_FNAME VARCHAR(100) NOT NULL,  
    DEGREE_DIRECTOR_LNAME VARCHAR(100) NOT NULL,  
    DEGREE_PHONE VARCHAR(100) NOT NULL,  
    DEGREE_ROOM_NUMBER VARCHAR(100) NOT NULL,  
    DEGREE_DEPARTMENT_NAME VARCHAR(100) NOT NULL  
);
```

```
CREATE TABLE ADVISOR (  
    ADVISOR_ID INT PRIMARY KEY NOT NULL,  
    ADVISOR_FNAME VARCHAR(100) NOT NULL,  
    ADVISOR_LNAME VARCHAR(100) NOT NULL,  
    ADVISOR_DEPARTMENT VARCHAR(100) NOT NULL,  
    ADVISOR_POSTION VARCHAR(100) NOT NULL,  
    ADVISOR_PHONE VARCHAR(100) NOT NULL,  
    ADVISOR_ROOM_NUMBER VARCHAR(100) NOT NULL  
);
```

```
CREATE TABLE STUDENT(  
    STUDENT_ID INT PRIMARY KEY NOT NULL,  
    ADVISOR_ID INT,  
    STUDENT_FIRST_NAME VARCHAR(100) NOT NULL,  
    STUDENT_LAST_NAME VARCHAR(100) NOT NULL,  
    STUDENT_HOME_ADDRESS VARCHAR(100) NOT NULL,  
    STUDENT_DOB DATE NOT NULL, /*Changed from int to date*/  
    STUDENT_GENDER VARCHAR(100) NOT NULL,  
    STUDENT_CATEGORY VARCHAR(100) NOT NULL,  
    STUDENT_NATIONALITY VARCHAR(100) NOT NULL,
```

```

    STUDENT_SMOKER VARCHAR(100) NOT NULL,
    STUDENT_COMMENTS VARCHAR(100),
    STUDENT_STATUS VARCHAR(100) NOT NULL,
    DEGREE_ID VARCHAR(100) NOT NULL, /*changed from int to varchar and added not null*/
    FOREIGN KEY (DEGREE_ID) REFERENCES DEGREE(DEGREE_ID),
    FOREIGN KEY (ADVISOR_ID) REFERENCES ADVISOR(ADVISOR_ID)
);

```

```

CREATE TABLE NEXT_OF_KIN (
    STUDENT_ID INT PRIMARY KEY NOT NULL,
    NOK_FNAME VARCHAR(100) NOT NULL,
    NOK_LNAME VARCHAR(100) NOT NULL,
    NOK_RELATIONSHIP VARCHAR(100) NOT NULL,
    NOK_PHONE VARCHAR(100) NOT NULL,
    NOK_ADDRESS VARCHAR(100) NOT NULL,
    FOREIGN KEY (STUDENT_ID) REFERENCES STUDENT(STUDENT_ID)
);

```

```

CREATE TABLE LEASE (
    LEASE_ID INT PRIMARY KEY NOT NULL,
    STUDENT_ID INT NOT NULL,
    LEASE_DURATION_MONTHS INT NOT NULL,
    LEASE_START_DATE DATE NOT NULL,
    LEASE_END_DATE DATE NOT NULL,
    LEASE_MOVE_IN_DATE DATE NOT NULL,
    LEASE_MOVE_OUT_DATE DATE NOT NULL,
    FOREIGN KEY (STUDENT_ID) REFERENCES STUDENT (STUDENT_ID)
);

```

```

CREATE TABLE INVOICE(
    INVOICE_NUMBER VARCHAR(100) PRIMARY KEY NOT NULL,/*Changed from int to varchar*/
    LEASE_ID INT NOT NULL,
    INVOICE_SEMESTER VARCHAR(100) NOT NULL,
    INVOICE_PAYMENT_DUE DATE NOT NULL,

```

```

    INVOICE_PAYMENT_DATE DATE,
    INVOICE_PAY_METHOD VARCHAR(100),
    FOREIGN KEY (LEASE_ID) REFERENCES LEASE (LEASE_ID)
);

CREATE TABLE INVOICE_REMINDER(
    REMINDER_NUMBER VARCHAR(100) PRIMARY KEY,/*Changed from int to varchar*/
    INVOICE_NUMBER VARCHAR(100) NOT NULL,
    INVOICE_REMINDER_DATE DATE NOT NULL,
    FOREIGN KEY (INVOICE_NUMBER) REFERENCES INVOICE (INVOICE_NUMBER)
);

CREATE TABLE ACC_STAFF (
    STAFF_ID INT PRIMARY KEY NOT NULL,
    STAFF_FNAME VARCHAR(100) NOT NULL,
    STAFF_LNAME VARCHAR(100) NOT NULL,
    STAFF_HOME_ADDRESS_NUMBER INT NOT NULL,
    STAFF_HOME_ADDRESS_NAME VARCHAR(100) NOT NULL,
    STAFF_SUBURB VARCHAR(100) NOT NULL,
    STAFF_CITY VARCHAR(100) NOT NULL,
    STAFF_PHONE VARCHAR(100) NOT NULL,
    STAFF_DOB DATE NOT NULL,
    STAFF_LOCATION VARCHAR(100) NOT NULL,
    STAFF_ROLE VARCHAR(100) NOT NULL
);

CREATE TABLE PLACE (
    PLACE_ID VARCHAR(100) PRIMARY KEY NOT NULL,/*Changed from int to varchar*/
    STUDENT_ID INT,
    PLACE_MONTHLY_RENT INT NOT NULL,
    PLACE_TYPE VARCHAR(100) NOT NULL,
    FOREIGN KEY (STUDENT_ID) REFERENCES STUDENT(STUDENT_ID)
);

```

```

CREATE TABLE INSPECTION (
    INSPECTION_ID VARCHAR(100) PRIMARY KEY NOT NULL,/*Changed from int to varchar*/
    PLACE_ID VARCHAR(100) NOT NULL,/*Changed from int to varchar*/
    STAFF_ID INT NOT NULL,
    INSPECTION_DATE DATE NOT NULL,/*Added not null*/
    INSPECTION_RATING INT,
    INSPECTION_COMMENTS VARCHAR (100),
    FOREIGN KEY (STAFF_ID) REFERENCES ACC_STAFF(STAFF_ID),
    FOREIGN KEY (PLACE_ID) REFERENCES PLACE(PLACE_ID)
);

```

/* HAS BEEN REMOVED

```

CREATE TABLE INSPECTION_PLACE (
    PLACE_ID INT PRIMARY KEY NOT NULL,
    INSPECTION_ID INT,
    FOREIGN KEY (PLACE_ID) REFERENCES PLACE(PLACE_ID),
    FOREIGN KEY (INSPECTION_ID) REFERENCES INSPECTION(INSPECTION_ID)
);
*/

```

```

CREATE TABLE FLAT (
    FLAT_NUMBER VARCHAR(100) PRIMARY KEY,/*Changed from int to varchar*/
    FLAT_ADDRESS VARCHAR(100) NOT NULL,
    FLAT_ROOM_COUNT INT NOT NULL
);

```

```

CREATE TABLE FLAT_ROOM (
    PLACE_ID VARCHAR(100) PRIMARY KEY NOT NULL,/*Changed from int to varchar*/
    FLAT_NUMBER VARCHAR(100) NOT NULL,/*Changed from int to varchar*/
    FLAT_ROOM_NUMBER INT NOT NULL,
    FOREIGN KEY (PLACE_ID) REFERENCES PLACE(PLACE_ID),
    FOREIGN KEY (FLAT_NUMBER) REFERENCES FLAT(FLAT_NUMBER)
);

```

```
CREATE TABLE STUDIO (  
    PLACE_ID VARCHAR(100) PRIMARY KEY NOT NULL, /*Changed from int to varchar*/  
    STUDIO_UNIT_NUMBER INT NOT NULL,  
    STUDIO_FURNISHED VARCHAR(1) NOT NULL,  
    FOREIGN KEY (PLACE_ID) REFERENCES PLACE(PLACE_ID),  
    CONSTRAINT CON_FURNISHED CHECK (STUDIO_FURNISHED IN ('Y', 'N'))  
);
```

```
CREATE TABLE HALL (  
    HALL_ID VARCHAR(100) PRIMARY KEY NOT NULL, /*Changed from int to varchar*/  
    STAFF_ID INT NOT NULL,  
    HALL_NAME VARCHAR(100) NOT NULL,  
    HALL_ADDRESS VARCHAR(100) NOT NULL,  
    HALL_PHONE VARCHAR(100) NOT NULL,  
    FOREIGN KEY (STAFF_ID) REFERENCES ACC_STAFF(STAFF_ID)  
);
```

```
CREATE TABLE HALL_ROOM (  
    PLACE_ID VARCHAR(100) PRIMARY KEY NOT NULL, /*Changed from int to varchar*/  
    HALL_ID VARCHAR(100) NOT NULL,  
    HALL_ROOM_NUMBER INT NOT NULL,  
    HALL_ROOM_CATERING VARCHAR(100) NOT NULL,  
    FOREIGN KEY (PLACE_ID) REFERENCES PLACE(PLACE_ID),  
    FOREIGN KEY (HALL_ID) REFERENCES HALL(HALL_ID),  
    CONSTRAINT CON_CATERING CHECK (HALL_ROOM_CATERING IN ('fully', 'partly'))  
);
```

Insert Data SQL Script

```
INSERT INTO DEGREE VALUES('BInfSci','Bachelor of Information
Sciences','Azaan','Bond','8929203','SNW200','College of Sciences');
INSERT INTO DEGREE VALUES('BAcc','Bachelor of
Accountancy','Brooklyn','Alfaro','8983942','SNW300','Massey Business School');
INSERT INTO DEGREE VALUES('BA','Bachelor of Arts','Flynn','Obrien','8927893','AT7','College of
Humanities and Social Sciences');
INSERT INTO DEGREE VALUES('BN','Bachelor of Nursing','Sammy','Doyle','8927643','QB1','College of
Health');
INSERT INTO DEGREE VALUES('BCommMus','Bachelor of Commercial
Music','Stephanie','Pike','8926391','CLQB4','College of Creative Arts');
```

```
INSERT INTO ADVISOR VALUES(12341234,'Maria','Amos','College of
Sciences','Lecturer','78298392','SN.12');
INSERT INTO ADVISOR VALUES(12341245,'Hannah','Schmitt','College of Humanities and Social
Sciences','Assistant','78207823','QB.23');
INSERT INTO ADVISOR VALUES(12331134,'Joseph','Sheldon','Massey Business
School','Lecturer','78237940','AT.90');
INSERT INTO ADVISOR VALUES(24221234,'Miley','Clarke','College of Creative Arts','Assistant
Director','78236823','SN.03');
INSERT INTO ADVISOR VALUES(37287237,'Jaimee','Read','College of
Health','Lecturer','78203938','AT.53');
```

```
INSERT INTO STUDENT VALUES(13040230,12341234,'Ashleigh','Heath','42 Wallaby Way, Sydney',DATE
'1994-11-29','F','Undergraduate','NZ European','N','Loves cats','Placed','BInfSci');
INSERT INTO STUDENT VALUES(13458930,12341245,'Helga','Hufflepuff','16 Apple Grove, Auckland',DATE
'1970-12-13','F','Postgraduate','ENGLISH','Y','Loves cats','Placed','BA');
INSERT INTO STUDENT VALUES(56320230,12331134,'Rowena','Ravenclaw','91 Pole Street, Auckland',DATE
'1962-01-01','F','Undergraduate','NZ European','N','Loves cats','Placed','BN');
INSERT INTO STUDENT VALUES(89303829,24221234,'Godric','Gryfindor','17 Coffee Lane, Sydney',DATE
'1908-06-09','M','Undergraduate','Chinese','Y',null,'Placed','BAcc');
```



```

INSERT INTO STUDENT VALUES(90872783,37287237,'Salazar','Slytherin','67 Gargoyle Street, Auckland',DATE
'1967-10-27','M','Undergraduate','American','Y','Loves Snakes','Placed','BCommMus');
INSERT INTO STUDENT VALUES(84398573,37287237,'Paul','Slytherin','67 Gargoyle Street, Auckland',DATE
'1967-10-27','M','Undergraduate','American','Y','Loves Snakes','Placed','BCommMus');
INSERT INTO STUDENT VALUES(90485903,12341234,'Greg','Slytherin','67 Gargoyle Street, Auckland',DATE
'1967-10-27','M','Undergraduate','American','Y','Loves Snakes','Placed','BCommMus');
INSERT INTO STUDENT VALUES(45879237,37287237,'Sam','Slytherin','67 Gargoyle Street, Auckland',DATE
'1967-10-27','M','Undergraduate','American','Y','Loves Snakes','Placed','BCommMus');
INSERT INTO STUDENT VALUES(94857498,12341234,'Alex','Slytherin','67 Gargoyle Street, Auckland',DATE
'1967-10-27','M','Undergraduate','American','Y','Loves Snakes','Placed','BCommMus');
INSERT INTO STUDENT VALUES(59083401,12341234,'Ferris','Smith','71 Gargoyle Street, Auckland',DATE
'1967-10-27','M','Undergraduate','American','Y','Loves Snakes','Placed','BCommMus');
INSERT INTO STUDENT VALUES(34598139,12341234,'Jared','Smith','71 Gargoyle Street, Auckland',DATE
'1967-10-27','M','Undergraduate','American','Y','Loves Snakes','Placed','BCommMus');
INSERT INTO STUDENT VALUES(45879238,12341234,'Fred','Smith','71 Gargoyle Street, Auckland',DATE
'1967-10-27','M','Undergraduate','American','Y','Loves Snakes','Placed','BCommMus');
INSERT INTO STUDENT VALUES(20934859,12341234,'Alan','Smith','71 Gargoyle Street, Auckland',DATE
'1967-10-27','M','Undergraduate','American','Y','Loves Snakes','Placed','BCommMus');
INSERT INTO STUDENT VALUES(09834953,12341234,'Lex','Smith','71 Gargoyle Street, Auckland',DATE
'1967-10-27','M','Undergraduate','American','Y','Loves Snakes','Placed','BCommMus');
INSERT INTO STUDENT VALUES(23985923,12341234,'Helen','Smith','71 Gargoyle Street, Auckland',DATE
'1967-10-27','F','Undergraduate','American','Y','Loves Snakes','Placed','BCommMus');
INSERT INTO STUDENT VALUES(10923857,12341234,'Francis','Smith','71 Gargoyle Street, Auckland',DATE
'1967-10-27','M','Undergraduate','American','Y','Loves Snakes','Waiting','BCommMus');

```

```

INSERT INTO NEXT_OF_KIN VALUES(13040230,'Shaun','Overton','Fiance','93830485','42 Wallaby Way,
Sydney');
INSERT INTO NEXT_OF_KIN VALUES(13458930,'Boris','Hufflepuff','Husband','93028130','42 Wallaby Way,
Sydney');
INSERT INTO NEXT_OF_KIN VALUES(56320230,'Niyah','Ravenclaw','Wife','283404839','42 Wallaby Way,
Sydney');
INSERT INTO NEXT_OF_KIN VALUES(89303829,'Henry','Gryfindor','Brother','28293048','42 Wallaby Way,
Sydney');

```

```

INSERT INTO NEXT_OF_KIN VALUES(90872783,'Tom','Slytherin','Son','473023838','42 Wallaby Way, Sydney');

INSERT INTO LEASE VALUES(011,13040230,8,DATE '2022-02-12',DATE '2022-10-02',DATE '2022-02-15',DATE
'2022-10-10');
INSERT INTO LEASE VALUES(012,13458930,10,DATE '2022-02-12',DATE '2022-12-02',DATE '2022-02-15',DATE
'2022-12-02');
INSERT INTO LEASE VALUES(013,56320230,9,DATE '2022-02-12',DATE '2022-11-02',DATE '2022-02-20',DATE
'2022-11-12');
INSERT INTO LEASE VALUES(014,89303829,6,DATE '2022-02-12',DATE '2022-08-02',DATE '2022-02-15',DATE
'2022-08-12');
INSERT INTO LEASE VALUES(015,90872783,4,DATE '2022-02-12',DATE '2022-10-02',DATE '2022-03-14',DATE
'2022-06-10');

INSERT INTO INVOICE VALUES('INV0289394',011,'Semester 1, Semester 2',DATE '2022-03-12',null,null);
INSERT INTO INVOICE VALUES('INV7493029',012,'Semester 1, Semester 2',DATE '2022-03-12',DATE
'2022-02-19','Credit Card');
INSERT INTO INVOICE VALUES('INV2893038',013,'Semester 1, Semester 2',DATE '2022-03-12',DATE
'2022-03-13','Cash');
INSERT INTO INVOICE VALUES('INV0382910',014,'Semester 1',DATE '2022-03-12',null,'Credit Card on
File');
INSERT INTO INVOICE VALUES('INV2393028',015,'Semester 1',DATE '2022-03-12',DATE '2022-03-11','Debit
Card');

INSERT INTO INVOICE_REMINDER VALUES('REM0234','INV0289394',DATE '2022-03-16');
INSERT INTO INVOICE_REMINDER VALUES('REM8392','INV7493029',DATE '2022-03-16');
INSERT INTO INVOICE_REMINDER VALUES('REM7202','INV2893038',DATE '2022-03-16');
INSERT INTO INVOICE_REMINDER VALUES('REM0382','INV0382910',DATE '2022-03-16');
INSERT INTO INVOICE_REMINDER VALUES('REM8201','INV2393028',DATE '2022-03-16');

INSERT INTO ACC_STAFF VALUES(893823,'Giulia','Spears',62,'Treeville Way','Lakes
District','Auckland',928098801,DATE '1989-11-23','Hall of Residence','Cleaner');
INSERT INTO ACC_STAFF VALUES(774933,'Sienna','Montoya',71,'Pinto
Street','Ashville','Auckland',92809097,DATE '1979-01-13','Accommodation Office','Staff');

```

```

INSERT INTO ACC_STAFF VALUES(737292,'Koby','Jenkins',10,'Betty
Lane','Fruitvale','Auckland',92439097,DATE '1982-12-02','Hall of Residence','Admin');
INSERT INTO ACC_STAFF VALUES(093822,'Lia','Rutledge',67,'Betty
Lane','Fruitvale','Auckland',92339097,DATE '1982-11-02','Hall of Residence','Manager');
INSERT INTO ACC_STAFF VALUES(389730,'Enrico','Senior',94,'Wallaby Way','Sydney','Sydney',92339097,DATE
'1963-08-27','Accommodation Office','HR');

```

```

INSERT INTO PLACE VALUES('PLA0001',13040230,240,'Hall of Residence');
INSERT INTO PLACE VALUES('PLA0002',13458930,240,'Hall of Residence');
INSERT INTO PLACE VALUES('PLA0003',56320230,240,'Hall of Residence');
INSERT INTO PLACE VALUES('PLA0004',89303829,240,'Hall of Residence');
INSERT INTO PLACE VALUES('PLA0005',90872783,240,'Hall of Residence');
INSERT INTO PLACE VALUES('PLA0006',84398573,490,'Studio');
INSERT INTO PLACE VALUES('PLA0007',90485903,490,'Studio');
INSERT INTO PLACE VALUES('PLA0008',45879237,490,'Studio');
INSERT INTO PLACE VALUES('PLA0009',94857498,490,'Studio');
INSERT INTO PLACE VALUES('PLA0010',59083401,490,'Studio');
INSERT INTO PLACE VALUES('PLA0011',34598139,490,'Student Flat');
INSERT INTO PLACE VALUES('PLA0012',45879238,490,'Student Flat');
INSERT INTO PLACE VALUES('PLA0013',20934859,490,'Student Flat');
INSERT INTO PLACE VALUES('PLA0014',09834953,490,'Student Flat');
INSERT INTO PLACE VALUES('PLA0015',23985923,490,'Student Flat');

```

/*I also think we need to add the individual rooms as foreign keys? Or we cannot tell what is being inspected

Or we could have a composite foreign key that makes up the place, as well as the hall ID and Flat ID*/

```

INSERT INTO INSPECTION VALUES('INSP0293','PLA0001',893823,DATE '2022-04-15',10,'Place is well kept');
INSERT INTO INSPECTION VALUES('INSP3729','PLA0002',774933,DATE '2022-05-19',null ,null);
INSERT INTO INSPECTION VALUES('INSP2739','PLA0003',737292,DATE '2022-04-13',8,null);
INSERT INTO INSPECTION VALUES('INSP0828','PLA0004',093822,DATE '2022-05-19',6,'Cat food needs to be
moved from room');
INSERT INTO INSPECTION VALUES('INSP8320','PLA0005',389730,DATE '2022-04-15',9,null);

```

/* HAS BEEN REMOVED

```
INSERT INTO INSPECTION_PLACE VALUES();
INSERT INTO INSPECTION_PLACE VALUES();
INSERT INTO INSPECTION_PLACE VALUES();
INSERT INTO INSPECTION_PLACE VALUES();
INSERT INTO INSPECTION_PLACE VALUES();
*/
```

```
INSERT INTO FLAT VALUES('FLAT01','42 Wallaby Way',3);
INSERT INTO FLAT VALUES('FLAT02','42 Wallaby Way',5);
INSERT INTO FLAT VALUES('FLAT03','42 Wallaby Way',7);
INSERT INTO FLAT VALUES('FLAT04','42 Wallaby Way',2);
INSERT INTO FLAT VALUES('FLAT05','42 Wallaby Way',4);
```

```
INSERT INTO FLAT_ROOM VALUES('PLA0011','FLAT01',1);
INSERT INTO FLAT_ROOM VALUES('PLA0012','FLAT01',3);
INSERT INTO FLAT_ROOM VALUES('PLA0013','FLAT02',5);
INSERT INTO FLAT_ROOM VALUES('PLA0014','FLAT03',2);
INSERT INTO FLAT_ROOM VALUES('PLA0015','FLAT04',4);
```

```
INSERT INTO STUDIO VALUES('PLA0006',1,'Y');
INSERT INTO STUDIO VALUES('PLA0007',2,'N');
INSERT INTO STUDIO VALUES('PLA0008',3,'Y');
INSERT INTO STUDIO VALUES('PLA0009',4,'Y');
INSERT INTO STUDIO VALUES('PLA0010',5,'N');
```

```
INSERT INTO HALL VALUES('HALL01',893823,'Tui Hall','42 Wallaby Way','9038421');
INSERT INTO HALL VALUES('HALL02',774933,'Pukeko Hall','42 Wallaby Way','90354621');
INSERT INTO HALL VALUES('HALL03',737292,'Weka Hall','42 Wallaby Way','9089421');
```

```
INSERT INTO HALL_ROOM VALUES('PLA0001','HALL01',019,'fully');
INSERT INTO HALL_ROOM VALUES('PLA0002','HALL02',011,'partly');
INSERT INTO HALL_ROOM VALUES('PLA0003','HALL03',002,'fully');
INSERT INTO HALL_ROOM VALUES('PLA0004','HALL01',029,'fully');
INSERT INTO HALL_ROOM VALUES('PLA0005','HALL02',092,'partly');
```

Data dumps

DEGREE

	DEGREE_ID	DEGREE_TITLE	DEGREE_DIRECTOR_FNAME	DEGREE_DIRECTOR_LNAME	DEGREE_PHONE	DEGREE_ROOM_NUMBER	DEGREE_DEPARTMENT_NAME
1	BInfSci	Bachelor of Information Sciences	Azaan	Bond	8929203	SNW200	College of Sciences
2	BAcc	Bachelor of Accountancy	Brooklyn	Alfaro	8983942	SNW300	Massey Business School
3	BA	Bachelor of Arts	Flynn	Obrien	8927893	AT7	College of Humanities and Social Sciences
4	BN	Bachelor of Nursing	Sammy	Doyle	8927643	QB1	College of Health
5	BCommMus	Bachelor of Commercial Music	Stephanie	Pike	8926391	CLQB4	College of Creative Arts

FLAT

	FLAT_NUMBER	FLAT_ADDRESS	FLAT_ROOM_COUNT
1	FLAT01	42 Wallaby Way	3
2	FLAT02	42 Wallaby Way	5
3	FLAT03	42 Wallaby Way	7
4	FLAT04	42 Wallaby Way	2
5	FLAT05	42 Wallaby Way	4

FLAT_ROOM

	PLACE_ID	FLAT_NUMBER	FLAT_ROOM_NUMBER
1	PLA0011	FLAT01	1
2	PLA0012	FLAT01	3
3	PLA0013	FLAT02	5
4	PLA0014	FLAT03	2
5	PLA0015	FLAT04	4

HALL

	HALL_ID	STAFF_ID	HALL_NAME	HALL_ADDRESS	HALL_PHONE
1	HALL01	893823	Tui Hall	42 Wallaby Way	9038421
2	HALL02	774933	Pukeko Hall	42 Wallaby Way	90354621
3	HALL03	737292	Weka Hall	42 Wallaby Way	9089421

Note: only 3 entries in this table due to the Appendix specifying there are only 3 halls.

HALL_ROOM

	PLACE_ID	HALL_ID	HALL_ROOM_NUMBER	HALL_ROOM_CATERING
1	PLA0001	HALL01	19	fully
2	PLA0002	HALL02	11	partly
3	PLA0003	HALL03	2	fully
4	PLA0004	HALL01	29	fully
5	PLA0005	HALL02	92	partly

INSPECTION

	INSPECTION_ID	PLACE_ID	STAFF_ID	INSPECTION_DATE	INSPECTION_RATING	INSPECTION_COMMENTS
1	INSP0293	PLA0001	893823	15/04/22	10	Place is well kept
2	INSP3729	PLA0002	774933	19/05/22	(null)	(null)
3	INSP2739	PLA0003	737292	13/04/22	8	(null)
4	INSP0828	PLA0004	93822	19/05/22	6	Cat food needs to be moved from room
5	INSP8320	PLA0005	389730	15/04/22	9	(null)

INVOICE

	INVOICE_NUMBER	LEASE_ID	INVOICE_SEMESTER	INVOICE_PAYMENT_DUE	INVOICE_PAYMENT_DATE	INVOICE_PAY_METHOD
1	INV0289394	11	Semester 1, Semester 2	12/03/22	(null)	(null)
2	INV7493029	12	Semester 1, Semester 2	12/03/22	19/02/22	Credit Card
3	INV2893038	13	Semester 1, Semester 2	12/03/22	13/03/22	Cash
4	INV0382910	14	Semester 1	12/03/22	(null)	Credit Card on File
5	INV2393028	15	Semester 1	12/03/22	11/03/22	Debit Card

INVOICE_REMINDER

	REMINDER_NUMBER	INVOICE_NUMBER	INVOICE_REMINDER_DATE
1	REM0234	INV0289394	16/03/22
2	REM8392	INV7493029	16/03/22
3	REM7202	INV2893038	16/03/22
4	REM0382	INV0382910	16/03/22
5	REM8201	INV2393028	16/03/22

LEASE

	LEASE_ID	STUDENT_ID	LEASE_DURATION_MONTHS	LEASE_START_DATE	LEASE_END_DATE	LEASE_MOVE_IN_DATE	LEASE_MOVE_OUT_DATE
1	11	13040230	8	12/02/22	02/10/22	15/02/22	10/10/22
2	12	13458930	10	12/02/22	02/12/22	15/02/22	02/12/22
3	13	56320230	9	12/02/22	02/11/22	20/02/22	12/11/22
4	14	89303829	6	12/02/22	02/08/22	15/02/22	12/08/22
5	15	90872783	4	12/02/22	02/10/22	14/03/22	10/06/22

NEXT_OF_KIN

	STUDENT_ID	NOK_FNAME	NOK_LNAME	NOK_RELATIONSHIP	NOK_PHONE	NOK_ADDRESS
1	13040230	Shaun	Overton	Fiance	93830485	42 Wallaby Way, Sydney
2	13458930	Boris	Hufflepuff	Husband	93028130	42 Wallaby Way, Sydney
3	56320230	Niyah	Ravenclaw	Wife	283404839	42 Wallaby Way, Sydney
4	89303829	Henry	Gryfindor	Brother	28293048	42 Wallaby Way, Sydney
5	90872783	Tom	Slytherin	Son	473023838	42 Wallaby Way, Sydney

PLACE

	PLACE_ID	STUDENT_ID	PLACE_MONTHLY_RENT	PLACE_TYPE
1	PLA0001	13040230	240	Hall of Residence
2	PLA0002	13458930	240	Hall of Residence
3	PLA0003	56320230	240	Hall of Residence
4	PLA0004	89303829	240	Hall of Residence
5	PLA0005	90872783	240	Hall of Residence
6	PLA0006	84398573	490	Studio
7	PLA0007	90485903	490	Studio
8	PLA0008	45879237	490	Studio
9	PLA0009	94857498	490	Studio
10	PLA0010	59083401	490	Studio
11	PLA0011	34598139	490	Student Flat
12	PLA0012	45879238	490	Student Flat
13	PLA0013	20934859	490	Student Flat
14	PLA0014	9834953	490	Student Flat
15	PLA0015	23985923	490	Student Flat

STUDENT

	STUDENT_ID	ADVISOR_ID	STUDENT_FIRST_NAME	STUDENT_LAST_NAME	STUDENT_HOME_ADDRESS	STUDENT_DOB	STUDENT_GENDER	STUDENT_CATEGORY	STUDENT_NATIONALITY	STUDENT_SMOKER	STUDENT_COMMENTS	STUDENT_STATUS	DEGREE_ID
1	13040230	12341234	Ashleigh	Heath	42 Wallaby Way, Sydney	29/11/94	F	Undergraduate	NZ European	N	Loves cats	Placed	BInfSci
2	13458930	12341245	Helga	Hufflepuff	16 Apple Grove, Auckland	13/12/70	F	Postgraduate	ENGLISH	Y	Loves cats	Placed	BA
3	56320230	12331134	Rowena	Ravenclaw	91 Pole Street, Auckland	01/01/62	F	Undergraduate	NZ European	N	Loves cats	Placed	BN
4	89303829	24221234	Godric	Gryfindor	17 Coffee Lane, Sydney	09/06/08	M	Undergraduate	Chinese	Y	(null)	Placed	BAcc
5	90872783	37287237	Salazar	Slytherin	67 Gargoyle Street, Auckland	27/10/67	M	Undergraduate	American	Y	Loves Snakes	Placed	BCommMus
6	84398573	37287237	Paul	Slytherin	67 Gargoyle Street, Auckland	27/10/67	M	Undergraduate	American	Y	Loves Snakes	Placed	BCommMus
7	90485903	12341234	Greg	Slytherin	67 Gargoyle Street, Auckland	27/10/67	M	Undergraduate	American	Y	Loves Snakes	Placed	BCommMus
8	45879237	37287237	Sam	Slytherin	67 Gargoyle Street, Auckland	27/10/67	M	Undergraduate	American	Y	Loves Snakes	Placed	BCommMus
9	94857498	12341234	Alex	Slytherin	67 Gargoyle Street, Auckland	27/10/67	M	Undergraduate	American	Y	Loves Snakes	Placed	BCommMus
10	59083401	12341234	Ferris	Smith	71 Gargoyle Street, Auckland	27/10/67	M	Undergraduate	American	Y	Loves Snakes	Placed	BCommMus
11	34598139	12341234	Jared	Smith	71 Gargoyle Street, Auckland	27/10/67	M	Undergraduate	American	Y	Loves Snakes	Placed	BCommMus
12	45879238	12341234	Fred	Smith	71 Gargoyle Street, Auckland	27/10/67	M	Undergraduate	American	Y	Loves Snakes	Placed	BCommMus
13	20934859	12341234	Alan	Smith	71 Gargoyle Street, Auckland	27/10/67	M	Undergraduate	American	Y	Loves Snakes	Placed	BCommMus
14	9834953	12341234	Lex	Smith	71 Gargoyle Street, Auckland	27/10/67	M	Undergraduate	American	Y	Loves Snakes	Placed	BCommMus
15	23985923	12341234	Helen	Smith	71 Gargoyle Street, Auckland	27/10/67	F	Undergraduate	American	Y	Loves Snakes	Placed	BCommMus
16	10923857	12341234	Francis	Smith	71 Gargoyle Street, Auckland	27/10/67	M	Undergraduate	American	Y	Loves Snakes	Waiting	BCommMus

STUDIO

	PLACE_ID	STUDIO_UNIT_NUMBER	STUDIO_FURNISHED
1	PLA0006	1 Y	
2	PLA0007	2 N	
3	PLA0008	3 Y	
4	PLA0009	4 Y	
5	PLA0010	5 N	

ACC_STAFF

	STAFF_ID	STAFF_FNAME	STAFF_LNAME	STAFF_HOME_ADDRESS_NUMBER	STAFF_HOME_ADDRESS_NAME	STAFF_SUBURB	STAFF_CITY	STAFF_PHONE	STAFF_DOB	STAFF_LOCATION	STAFF_ROLE
1	893823	Giulia	Spears	62	Treeville Way	Lakes District	Auckland	928098801	23/11/89	Hall of Residence	Cleaner
2	774933	Sienna	Montoya	71	Pinto Street	Ashville	Auckland	92809097	13/01/79	Accommodation Office	Staff
3	737292	Koby	Jenkins	10	Betty Lane	Fruitvale	Auckland	92439097	02/12/82	Hall of Residence	Admin
4	93822	Lia	Rutledge	67	Betty Lane	Fruitvale	Auckland	92339097	02/11/82	Hall of Residence	Manager
5	389730	Enrico	Senior	94	Wallaby Way	Sydney	Sydney	92339097	27/08/63	Accommodation Office	HR

ADVISOR

	ADVISOR_ID	ADVISOR_FNAME	ADVISOR_LNAME	ADVISOR_DEPARTMENT	ADVISOR_POSTION	ADVISOR_PHONE	ADVISOR_ROOM_NUMBER
1	12341234	Maria	Amos	College of Sciences	Lecturer	78298392	SN.12
2	12341245	Hannah	Schmitt	College of Humanities and Social Sciences	Assistant	78207823	QB.23
3	12331134	Joseph	Sheldon	Massey Business School	Lecturer	78237940	AT.90
4	24221234	Miley	Clarke	College of Creative Arts	Assitant Director	78236823	SN.03
5	37287237	Jaimee	Read	College of Health	Lecturer	78203938	AT.53