Query Statements

These statements are all of the SQL required to navigate our system.

```
-- Create new user (1)
        -- 1. Member table
                INSERT INTO MEMBER (email, password, FName, LName, year, faculty, degree,
is_admin)
                        VALUES ('dummy@gmail.com', 'password', 'dummy1', 'dummy2', '2012',
'Computer Science', 'B.Sc', 0);
        -- 2. Phone_number table
                INSERT INTO phone_number (phone_number, member_id)
                        VALUES ('647-123-4567', (select member_id from member where email =
'dummy@gmail.com'));

-- Create new property (2)
        -- 1. Property table
                INSERT INTO PROPERTY (address, number_of_rooms, room_type, price,
owner_id, district_id)
                        VALUES ('107 Apple Street', 4, 'Apartment', 600, 3, (select district_id from
district where district_name = 'Waterfront'));
        -- 2. Feature table
                INSERT INTO FEATURE (feature, property_id)
                        VALUES ('Pool', (select property_id from property where address = '107
Apple Street'));

-- View all properties (address, room_type, price, number_of_rooms) (3)
        select property.address, property.room_type, property.price,
property.number_of_rooms
                from property
                where is_deleted  = 0;

-- Search for property with certain criteria (4)
        select property.address, property.room_type, property.price,
property.number_of_rooms
                from property
                where room_type = 'Condo' and price < 1000 and
                district_id = (select district_id from district where district_name = 'Waterfront')
                        and is_deleted = 0;

--  Reset search constraints on properties and redisplay (5)
        select property.address, property.room_type, property.price,
property.number_of_rooms
                from property
                where is_deleted = 0;
```

```sql
-- Get all property information related to property_id '1' (6)
        -- 1. Show specific property information, owner information, district information (6_1)
                select property.address, property.room_type, property.number_of_rooms,
property.price,
                        member.FName, member.LName,
                        district.district_name, district.Street_1, district.Street_2
                        from property
                        inner join district on district.district_id = property.district_id
                        inner join member on property.owner_id = member.member_id
                        where property.property_id = '1'
                        and property.is_deleted = 0;


        -- 2. Show all comments on that property (6_2)
                select comment.text, comment.Rating, comment.Date, member.FName,
member.LName
                        from comment
                        inner join property on property.property_id = comment.property_id
                        inner join member on member.member_id =
comment.commenting_member_id
                        where property.property_id = '1'
                        and property.is_deleted = 0 and comment.is_deleted = 0;


        -- 3. Show all features on that property (6_3)
                select feature
                        from feature
                        inner join property on property.property_id = feature.feature_id
                        where property.property_id='1'
                        and property.is_deleted = 0;


        -- 4. Show all points of interest in the district (6_4)
                select points_of_interest.points_of_interest
                        from points_of_interest
                        inner join property on property.district_id = points_of_interest.district_id
                        where property.property_id='1'
                        and property.is_deleted = 0;


-- Comment on specific property (7)
        insert into comment (text, Rating, Date, commenting_member_id, property_id)
                values ('This place is excellent', 5, '2012-12-13', '2', '2');


-- View bookings with given member_id (the member's bookings) (8)
        select booking.status, booking.start_date, property.address
                from booking
                inner join property on property.property_id = booking.property_id
```

```sql
                where booking.booking_member_id = '1'

-- View bookings for a given owner_id. Here the owner owns the property
-- and is looking for pending bookings; (9)
        select booking.start_date, property.address
                from booking
                inner join property on property.property_id = booking.property_id
                inner join member on property.owner_id = member_id
                where member_id = '1' and booking.status = 'Unconfirmed'
                and property.is_deleted = 0;

-- View information about property owned by a given owner_id. (10)
        select property.address, property.number_of_rooms, property.room_type,
property.price
                from property
                inner join member on property.owner_id = member.member_id
                where member_id = '1'
                and property.is_deleted = 0;

-- View details of property and bookings associated with it. (11_1)
        select property.address, property.number_of_rooms, property.room_type,
property.price
                from property
                where property_id = '1'

-- View the bookings associated with the owned property (11_2)
        select booking.status, booking.start_date, member.FName, member.LName
        from booking inner join member on booking.booking_member_id = member.member_id
        where property_id = '1'

--View members as an admin (12)
    select * from member

-- Delete a member (13_1)
    update member
        set is_deleted = '1'
        where member_id = '5'

-- Delete all of that member's accomodations (13_2)
    update property
        set is_deleted = '1'
        where owner_id = '5'

-- Delete all of that member's bookings (13_3)
```

```sql
    update booking
       set is_deleted = '1'
       where booking_member_id = '5'


-- View properties as an admin (14)
    select * from property


-- Delete an accomodation (15_1)
    update property
       set is_deleted = '1'
       where property_id = '1'


-- Delete all of that accomodation's bookings (15_2)
    update booking
       set is_deleted = '1'
       where property_id = '1'


-- Summarize bookings by accomodation (16_1)
    select booking.status, booking.start_date, member.FName, member.LName
       from booking inner join member on booking.booking_member_id = member.member_id
       where property_id = '1'


-- Summarize ratings by accomodation (16_2)
    select comment.Rating, member.FName, member.LName
       from comment inner join member on comment.commenting_member_id =
member.member_id
       where property_id = '1' and Rating is not null


-- Summarize bookings by supplier (17_1)
    select booking.status, booking.start_date, member.FName, member.LName,
property.address
       from booking
       inner join member on booking.booking_member_id = member.member_id
       inner join property on booking.property_id = property.property_id
       where property.owner_id = '1'


-- Summarize ratings by supplier (17_2)
    select comment.Rating, member.FName, member.LName, property.address
       from comment
       inner join member on comment.commenting_member_id = member.member_id
       inner join property on comment.property_id = property.property_id
       where property.owner_id = '1' and Rating is not null


-- Summarize bookings by consumer (18)
```

```sql
    select booking.status, booking.start_date, property.address
        from booking
        inner join property on booking.property_id = property.property_id
        where booking_member_id = '2'

-- Update member profile (19)
    update member
        set email = 'dummy2@gmail.com', password = 'pppassword', FName = 'Bob', LName =
'dummy2', year = '2012', faculty = 'Computer Science', degree = 'B.Sc'
        where member_id = '6'

-- Admins add a point of interest (20)
    insert into Points_Of_Interest (points_of_interest, district_id)
        VALUES ('Armstrong Pond', 1);

-- See all dates that a property is booked for (21)
    select booking.start_date
        from booking
        where property_id = '3' and status = 'Confirmed' and is_deleted = '0'

-- Cancel a booking (22)
    update booking
        set booking.status = 'Cancelled'
        where booking_id = 5

-- Member 1 deleting his own comment with 'id' 1  (23)
        update comment
                set is_deleted = 1
                where comment_id = '1';

-- Member 1 deleting his own profile (24)
        update member
                set is_deleted = 1
                where member_id = '1';

-- Member 1 updating his property profile (address, number of rooms, room type, price,
district) (25)
        update property
                set address = '107 Maple Street', number_of_rooms = '3', room_type = 'House',
price = 1000, district_id = '1'
                where property_id = '1';

-- Member 1 making a booking (given property_id and member_id) (26)
        insert into booking (status, start_date, booking_member_id, property_id)
```

values ('UNCONFIRMED', 2012-12-23, booking_member_id = '1', property_id = '1')

--Member 1 logging in (given email and password) (27)

      select * from member where member_id = '1'

--Booking denied (28)

      UPDATE `Booking` SET `status`='Denied' WHERE booking_id = '2'

--Booking Confirmed

      UPDATE `Booking` SET `status` = 'Confirmed' where booking_id = 3