**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;

-- 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

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)

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)

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