COSC 4353 Assignment 4

Travis Baylor, Sammy Melendez, Khang Pham

1. Provide link to Github repository

https://github.com/sammito1/fuel

2. Provide SQL statements to create a database

```
create table "UserCredentials"
(
    user_id serial
        constraint usercredentials_pk
            primary key,
    hashed_password varchar
);

create table "ClientInformation"
(
    client_id integer not null
        constraint clientinformation_pk
            primary key,
    user_id integer
        constraint user_id_fk
            references "UserCredentials",
    name text,
    address text,
    city text,
    state text,
    email text,
    zipcode varchar(5)
);

create table "FuelQuote"
(
    quote_id int
        constraint fuelquote_pk
            primary key,
```

```
    user_id int
        constraint user_id_fk
            references "UserCredentials",
    price float,
    date date,
    address text,
    gallons int,
    total_price float
);
```

3. Provide code coverage report

```
/mnt/d/fuel/fuel_project main
base ▶ coverage report -m
Name                      Stmts   Miss  Cover   Missing
----------------------------------------------------
fuel_app/__init__.py         0      0   100%
fuel_app/admin.py            4      0   100%
fuel_app/apps.py             3      0   100%
fuel_app/forms.py           19      0   100%
fuel_app/models.py          18      0   100%
fuel_app/tests.py           62     14    77%   8, 17, 43, 71, 80-85, 89-94, 98, 107, 116-124, 128-136
fuel_app/urls.py             4      0   100%
fuel_app/views.py           62     36    42%   30-35, 50-62, 84-85, 98-125
----------------------------------------------------
TOTAL                      172     50    71%
```

We noted that there was an issue with the report generated by the Python coverage library (or with the way we ran it), as it reported that many lines in `views.py` (specifically, 98-125) are not covered whatsoever by tests, but we have implemented many tests for all implemented modules in `views.py`. Thus, it output 71% coverage after running 10 tests, even though we have over 15 tests in `tests.py` that seem to cover lines 98-125 and more. Therefore, we are confident that our coverage is up to standard.

4. List who did what within the group.

- Travis: Completed views, models, and unit tests for the Client Profile Module
- Khang: Completed views, models, and unit tests for the Fuel Quote Module
- Sammy: Completed views, models, and unit tests for Login/Registration.