**Group 7**

# <u>Assignment 4</u>

**1**.
https://github.com/pouriaNarimisa/COSC4353

**2**.
Django has a powerful, built-in user authentication system that makes it quick and easy to add login, logout, and signup functionality to a website. Django model provides us with `username`, `email`, `password`, `first_name`, and `last_name` fields.We just used 'username' and 'password' for the login and registration needs. Thus, already providing the table for username and password.

On the other hand, we have a 'models.py' in our code that reflects SQL Statements below when using the command "python manage.py sqlmigrate fuel_app 0001":

CREATE TABLE "fuel_app_quote" (
"id" integer NOT NULL PRIMARY KEY AUTOINCREMENT,
"price" decimal NOT NULL,
"date" date NOT NULL,
"address" varchar(100) NOT NULL,
"gallons" integer NOT NULL,
"total_price" decimal NOT NULL,
"user_id" integer NOT NULL REFERENCES "auth_user" ("id") DEFERRABLE INITIALLY DEFERRED);

CREATE TABLE "fuel_app_client" (
"id" integer NOT NULL PRIMARY KEY AUTOINCREMENT,
"name" varchar(100) NOT NULL,
"address" varchar(200) NOT NULL,
"address2" varchar(100) NOT NULL,
"city" varchar(100) NOT NULL,
"state" varchar(50) NOT NULL,
"zipcode" varchar(5) NOT NULL,
"user_id" integer NOT NULL REFERENCES "auth_user" ("id") DEFERRABLE INITIALLY DEFERRED);

**3**.
'Coverage.py' is the Python tool for measuring code coverage. We reached 81% code coverage in our application according to the coverage.py module.
(https://coverage.readthedocs.io/en/coverage-5.5/)

**4.**

| Roles: R = Responsible, C = Consulted | | | | | | |
|---|---|---|---|---|---|---|
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| Pouria Narimisa | R | R | C | R | C | R |
| Ali Sura Ozdemir | R | C | C | R | R | R |
| Elizabeth Nguyen | R | C | R | R | C | R |