

# COSC4353 Assignment 4

## Group #3

1. Provide a link to GitHub repository for TAs to view the code? (5 points)

- <https://github.com/COSC4353-group-3/Assignment-4>

2. Provide SQL statements to create database.(3 points)

- More detail provided in the README file in our github repository.
- As we used Django to design our front end, django models are present within our program as well.

```
DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.mysql',
        'NAME': 'fuelCompany',
        'USER': 'root',
        'PASSWORD': '!Tammy1998',
        'PORT': 3306,
        'HOST': '127.0.0.1'
    }
}
```

The screenshot shows the MySQL Workbench interface. The 'Schemas' pane on the left lists the 'fuelcompany' schema. The 'Query' editor in the center contains the SQL statement: `SELECT * FROM fuelcompany.auth_user;`. The 'Result Grid' on the right displays the query results, which include two rows of user data. The 'Output' pane at the bottom shows the execution log with timestamps and messages for each query step.

id	password	last_login	is_superuser	username	first_name	last_name	email	is_staff	is_active	date_joined
1	pbkdf2_sha256\$216000\$HCHCcas3Yf/...	2021-04-02 21:16:17.096675	0	Poppy				0	1	2021-04-02
2	pbkdf2_sha256\$216000\$GSKNW06DK3vEm\$Dx...	2021-04-02 21:46:19.050590	0	Lionking				0	1	2021-04-02

#	Time	Action	Message	Duration / Fetch
14	16:18:15	SELECT * FROM fuelcompany.auth_user LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
15	16:33:04	SELECT * FROM fuelcompany.auth_user LIMIT 0, 1000	1 row(s) returned	0.016 sec / 0.000 sec
16	16:47:42	SELECT * FROM fuelcompany.auth_permission LIMIT 0, 1000	32 row(s) returned	0.000 sec / 0.000 sec
17	16:47:45	SELECT * FROM fuelcompany.auth_user LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
18	16:47:53	SELECT * FROM fuelcompany.users_profile LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
19	16:49:57	SELECT * FROM fuelcompany.auth_user LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80 x Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

auth\_permission  
auth\_user  
auth\_user\_groups  
auth\_user\_user\_permissions  
blog\_post  
django\_admin\_log  
django\_content\_type  
django\_migrations  
django\_session  
users\_profile

users\_profile

1 • SELECT \* FROM fuelcompany.users\_profile;

Result Grid

	id	full_name	address1	address2	city	state	zipcode	user_id
▶	1	Yizhu Ren	4911 canyon sage Ln.	2345 Gaston Rd.	Houston	Texas	77494	1
▶	2	Chris Tien	2501 FunLand Str.	123 SpringGreen Rd.	Katy	Texas	77494	2

users\_profile 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	15 16:33:04	SELECT * FROM fuelcompany.auth_user LIMIT 0, 1000	1 row(s) returned	0.016 sec / 0.000 sec
✓	16 16:47:42	SELECT * FROM fuelcompany.auth_permission LIMIT 0, 1000	32 row(s) returned	0.000 sec / 0.000 sec
✓	17 16:47:45	SELECT * FROM fuelcompany.auth_user LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
✓	18 16:47:53	SELECT * FROM fuelcompany.users_profile LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
✓	19 16:49:57	SELECT * FROM fuelcompany.auth_user LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
✓	20 16:51:05	SELECT * FROM fuelcompany.users_profile LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

Schema: fuelcompany

Object Info Session

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

AS

Filter objects

auth\_user  
auth\_user\_groups  
auth\_user\_user\_permissions  
blog\_post  
django\_admin\_log  
django\_content\_type  
django\_migrations  
django\_session  
users\_fuelquote  
users\_profile

users\_fuelquote

1 • SELECT \* FROM fuelcompanydatabase.users\_fuelquote;

Result Grid

	id	gallons	delivery_address	delivery_date	suggested_price	total	user_id
▶	1	NULL	NULL	NULL	NULL	NULL	2
▶	2	NULL	NULL	NULL	NULL	NULL	3

rs\_fuelquote 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	2 21:15:37	SELECT * FROM fuelcompanydatabase.django_session LIMIT 0, 1...	0 row(s) returned	0.000 sec / 0.000 sec
✓	3 21:15:38	SELECT * FROM fuelcompanydatabase.django_migrations LIMIT 0...	24 row(s) returned	0.000 sec / 0.000 sec
✓	4 21:15:40	SELECT * FROM fuelcompanydatabase.django_content_type LIMIT...	9 row(s) returned	0.000 sec / 0.000 sec
✓	5 21:15:41	SELECT * FROM fuelcompanydatabase.django_admin_log LIMIT ...	0 row(s) returned	0.015 sec / 0.000 sec
✓	6 21:15:43	SELECT * FROM fuelcompanydatabase.blog_post LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓	7 21:15:44	SELECT * FROM fuelcompanydatabase.auth_user_user_permission...	0 row(s) returned	0.000 sec / 0.000 sec
✓	8 21:15:45	SELECT * FROM fuelcompanydatabase.auth_user_groups LIMIT 0...	0 row(s) returned	0.000 sec / 0.000 sec

object selected

Column	Type	Default Value	Nullable	Character Set	Collation	Privileges
◆ address1	varchar(100)		NO	utf8mb4	utf8mb4_0900_...	select,insert,update,references
◆ address2	varchar(100)		NO	utf8mb4	utf8mb4_0900_...	select,insert,update,references
◆ city	varchar(100)		NO	utf8mb4	utf8mb4_0900_...	select,insert,update,references
◆ full_name	varchar(50)		NO	utf8mb4	utf8mb4_0900_...	select,insert,update,references
◆ id	int		NO			select,insert,update,references
◆ state	varchar(25)		NO	utf8mb4	utf8mb4_0900_...	select,insert,update,references
◆ user_id	int		NO			select,insert,update,references
◆ zipcode	varchar(25)		NO	utf8mb4	utf8mb4_0900_...	select,insert,update,references

Column	Type	Default Value	Nullable	Character Set	Collation	Privileges
delivery_adress	varchar(255)		NO	utf8mb4	utf8mb4_0900_...	select,insert,update,references
delivery_date	varchar(255)		NO	utf8mb4	utf8mb4_0900_...	select,insert,update,references
gallons	double		YES			select,insert,update,references
id	int		NO			select,insert,update,references
suggested_price	double		YES			select,insert,update,references
total	double		YES			select,insert,update,references
user_id	int		YES			select,insert,update,references

3. Rerun the code coverage report and provide it. (2 points)

Name	Stmts	Miss	Cover
blog\__init__.py	0	0	100%
blog\admin.py	1	0	100%
blog\apps.py	3	0	100%
blog\migrations\0001_initial.py	8	0	100%
blog\migrations\__init__.py	0	0	100%
blog\models.py	10	1	90%
blog\urls.py	3	0	100%
blog\views.py	8	3	62%
manage.py	12	2	83%
sdproject\__init__.py	0	0	100%
sdproject\settings.py	21	0	100%
sdproject\urls.py	5	0	100%
users\__init__.py	0	0	100%
users\admin.py	4	0	100%
users\apps.py	5	0	100%
users\forms.py	16	0	100%
users\migrations\0001_initial.py	7	0	100%
users\migrations\0002_auto_20210402_1613.py	6	0	100%
users\migrations\0003_auto_20210402_2053.py	4	0	100%
users\migrations\0004_auto_20210402_2102.py	4	0	100%
users\migrations\0005_auto_20210402_2114.py	6	0	100%
users\migrations\0006_auto_20210402_2210.py	6	0	100%
users\migrations\__init__.py	0	0	100%
users\models.py	22	2	91%
users\signals.py	11	3	73%
users\views.py	37	27	27%
TOTAL	199	38	81%

4. IMPORTANT: list who did what within the group. TAs should be able to validate in GitHub, otherwise team members who didn't contribute will receive a ZERO.

Name	Tasks
Oulu Li	Project overview, testing and reviewing website, cover the writing portion of the assignment 4, code coverage report
Tammy Ren	Create the Github account, testing and reviewing site, database design, code coverage report
Lester Moreira	Contribute to our decision and develop the web pages in Python with Django, updating profile and fuel quote pages.