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script.sql

```
fullname VARCHAR (100) NOT NULL,
```

```
- SEWA TABLE
   FOREIGN KEY (metode pembayaran) REFERENCES metode pembayaran(id)
DROP FUNCTION IF EXISTS get or create tipe kendaraan //
CREATE FUNCTION get or create tipe kendaraan(tipe input VARCHAR(50))
RETURNS INT
DETERMINISTIC
BEGIN
```

```
END IF;
    RETURN tipe id;
END //
VARCHAR (20))
RETURNS INT
DETERMINISTIC
BEGIN
END //
VARCHAR (50))
RETURNS INT
DETERMINISTIC
BEGIN
```

```
WHERE plat nomor = plat nomor input
END //
DROP FUNCTION IF EXISTS get total revenue by kendaraan //
CREATE FUNCTION get total revenue by kendaraan(
RETURNS DECIMAL(10, 2)
DETERMINISTIC
BEGIN
get_kendaraan_by_plat_nomor(plat_nomor_input);
END //
CREATE FUNCTION get total revenue by user(
   id_pelanggan_input INT
```

```
DETERMINISTIC
BEGIN
   DECLARE total spending DECIMAL(10, 2);
   WHERE id pelanggan = id pelanggan input;
DELIMITER //
CREATE PROCEDURE get user(IN in email VARCHAR(50))
BEGIN
   COMMIT;
END //
DROP PROCEDURE IF EXISTS create user //
BEGIN
```

```
COMMIT;
END //
DROP PROCEDURE IF EXISTS tambah kendaraan //
CREATE PROCEDURE tambah kendaraan(
BEGIN
   COMMIT;
END //
DROP PROCEDURE IF EXISTS hapus kendaraan //
BEGIN
END //
```

```
IN tanggal selesai input DATE
BEGIN
get kendaraan by plat nomor(plat nomor input);
ditemukan.';
tanggal mulai input);
        tanggal mulai,
```

```
id_pelanggan_input,
       tanggal selesai input,
END //
DROP PROCEDURE IF EXISTS kembalikan kendaraan //
   IN metode pembayaran input VARCHAR(50)
BEGIN
```

```
SET id kendaraan input =
get kendaraan by plat nomor(plat nomor input);
ditemukan.';
   SELECT id, tanggal mulai, tanggal selesai INTO sewa id,
NULL;
   SET total hari terlambat = DATEDIFF(tanggal kembali input,
```

```
get or create metode pembayaran(metode pembayaran input);
   COMMIT;
END //
DROP PROCEDURE IF EXISTS get sewa history kendaraan //
BEGIN
get_kendaraan_by_plat_nomor(plat_nomor_input);
ditemukan.';
```

```
s.id pelanggan,
END //
DROP PROCEDURE IF EXISTS get sewa history user //
   IN id_pelanggan_input INT
BEGIN
```

```
metode pembayaran m ON s.metode pembayaran = m.id
END //
DELIMITER ;
```

main.py

```
from flask import Flask

from flask_restful import Api

from db import mysql

from resources.user import User

from resources.auth import Login

from resources.kendaraan import Kendaraan

from resources.tipe_kendaraan import TipeKendaraan

from resources.sewa import Sewa

from resources.kembali import Kembali

from resources.history import History
```

```
app = Flask(_name__)
api = Api(app)

app.config['MYSQL_HOST'] = 'localhost'
app.config['MYSQL_USER'] = 'root'
app.config['MYSQL_PASSWORD'] = ''
app.config['MYSQL_DB'] = 'kendaraan_db'

mysql.init_app(app)

api.add_resource(User, '/users/')
api.add_resource(Kendaraan, '/kendaraan/')
api.add_resource(Sewa, '/sewa/')
api.add_resource(Kembali, '/kembali/')
api.add_resource(History, '/history/<string:history_type>/')

if __name__ == '__main__':
    for rule in app.url_map.iter_rules():
        print(f"{rule.endpoint}: {rule.methods} {rule}")
        app.run(debug=True)
```

```
db.py
from flask_mysqldb import MySQL
mysql = MySQL()
```

```
auth.py
```

```
from flask_restful import Resource
from db import mysql
from flask import jsonify, request, make_response
import bcrypt
import jwt

SECRET_KEY = "rio_sangat_hebat"
```

```
def post(self):
       cursor = mysql.connection.cursor()
           print(user)
            if bcrypt.checkpw(data['password'].encode('utf-8'),
SECRET KEY, algorithm='HS256')
                response = make response(jsonify({'message': 'Login')
successful'}))
                response.set cookie(
            return jsonify({'message': 'Wrong password'})
        return jsonify({'message': 'User not found'})
```

user.py

```
from flask_restful import Resource
from db import mysql
from flask import jsonify, request
import bcrypt
```

tipe kendaraan.py

```
from flask_restful import Resource
from db import mysql
from flask import jsonify, request

class TipeKendaraan(Resource):
    def get(self, id=None):
        cursor = mysql.connection.cursor()
        data = request.json

        cursor.execute('CALL get_or_create_tipe_kendaraan(%s)',
(data['tipe'],))
        row = cursor.fetchone()
        cursor.close()

        print(row)
```

```
return jsonify({'message': f'Tipe Kendaraan {data['tipe']}'})
```

sewa.py

```
from flask restful import Resource
from flask import jsonify, request
   def post(self):
       print(data)
       cursor = mysql.connection.cursor()
       user = service.decode jwt token()
       print(user)
(data['plat_nomor'], user['id'], data['tanggal_mulai'],
       return jsonify({'message': 'Kendaraan Berhasilar', 'data':
```

service.py

```
import jwt
from flask import request, jsonify

SECRET_KEY = 'rio_sangat_hebat'
# JWT Decode Utility
```

```
def decode_jwt_token():
    token = request.json.get('token')
    if not token:
        return None

    try:
        decoded_data = jwt.decode(token, SECRET_KEY,
    algorithms=['HS256'])
        return decoded_data
    except jwt.ExpiredSignatureError:
        return jsonify({'message': 'Token expired'}), 401
    except jwt.InvalidTokenError:
        return jsonify({'message': 'Invalid token'}), 401
```

kendaraan.py

```
from flask_restful import Resource
from db import mysql
from flask import jsonify, request
from . import service

class Kendaraan(Resource):
    def post(self):
        # URUTAN : PLAT, HARGA TIPE
        data = request.json
        cursor = mysql.connection.cursor()

        # Execute query
        cursor.execute("CALL tambah_kendaraan(%s, %s, %s)",
(data['plat_nomor'], data['harga_per_hari'], data['tipe']))
        mysql.connection.commit()
        cursor.close()

        return jsonify({'message': f'Kendaraan ditambahkan
({data['plat_nomor']})'})

    def delete(self):
        # INPUT : PLAT

        user = service.decode_jwt_token()
```

```
print(user)

if not user['role']:
    return jsonify({ "message":"Kamu tidak memiliki akses" })

data = request.json
    cursor = mysql.connection.cursor()

# Execute query
    cursor.execute("CALL hapus_kendaraan(%s)",

(data['plat_nomor'],))
    mysql.connection.commit()
    cursor.close()

return jsonify({'message': f'Kendaraan dengan plat nomor

{data['plat_nomor']} berhasil dihapus'})
```

kembali.py

```
from flask_restful import Resource
from db import mysql
from flask import jsonify, request
from . import service

class Kembali(Resource):
    def post(self):
        # URUTAN : PLAT, TANGGAL KEMBALI, RUSAK, METODE_PEMBAYARAN
        data = request.json

        cursor = mysql.connection.cursor()

        user = service.decode_jwt_token()

        print(user)

        # Executing procedure
        cursor.execute("CALL kembalikan_kendaraan(%s, %s, %s, %s)",
(data['plat_nomor'], data['tanggal_kembali'], data['kondisi'],
data['metode_pembayaran']))
        row = cursor.fetchone()
        cursor.close()
```

```
return jsonify({'message': f'Berhasil mengembalikan kendaraan
{data['plat_nomor']}', 'data': row})
```

history.py

```
from flask restful import Resource
from flask import jsonify, request
class History(Resource):
   def post(self, history type):
       cursor = mysql.connection.cursor()
           cursor.execute('SELECT
get total revenue by kendaraan(%s)', (plat nomor,))
            return jsonify({"message": f"Berhasil fetch history
            return jsonify({"message": "Retrieved user history"})
            return jsonify({"message": "Invalid parameter"})
```