System Testing 1.1 - 1조

test.py를 통한 Test 진행

- python의 unittest 활용
- 1차 발표 시 프로젝트 파일의 경우 testing이 가능한 수준의 기능 구현으로 보기 어려워 testing 미실시
- 따라서 2차 발표 시 프로젝트 파일에 대한 testing 실시

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```
test.py ×
         import os
import tempfile
          from swsec_team1 import app, db
from swsec_team1.Models import *
          from numbwords import inumbwords
from datetime import datetime
from werkzeug.security import check_password_hash, generate_password_hash
from flask_sqlalchemy import SQLAlchemy
from sqlalchemy import create_engine, MetaData
from sqlalchemy.orm import sessionmaker
          def test_populate_database():
    # assert User.query.get(1).role.name != None
    # assert db.session.query(User).filter(id==1)
                 # assert db.session.query(User).filter(id==1).first() != None
assert Menu.query.filter by(id=1).first().name == 'AAAA'
                       # Taise Valuetror(User.query.all())
new_user = User(Username='Xxxx' Xxxx', email='xxx@xxx.xxx', password='xxxx', access=0)
new_user.password = generate_password_hash(new_user.password)
db.session.add(new_user)
new_user = User(Username='Zzzz Zzzz', email='zzz@zzz.zzz', password='zzzz', access=1)
new_user.password = generate_password_hash(new_user.password)
                       db.session.commit()
                 def create_menus(self):
    menus = ['AAAA', 'BBBB', 'CCCC']
    for i, x in enumerate(menus):
        nb = Menu()
        nb.name = x
        control in the self.
                               nb.ingredients = 'xxx
                               nb.uploaded_date = datetime.now()
                               nb.user = User(username='test', email='test@test.com', password=generate_password_hash('test'),
                         db.session.commit()
                         setUp(seIf)?
# self.db.gd, app.config['DATABASE'] = tempfile.mkstemp()
app.config['TESTING'] = True
# app.config['SQLALCHEMY_DATABASE_URI'] = 'sqlite:///' + app.config['DATABASE']
                        global engine
                        engine = create_engine(app.config['SQLALCHEMY_DATABASE_URI'])
Session = sessionmaker(bind=engine)
                        self.create menus()
                  def tearDown(self):
                         # os.close(self.db_gd)
basedir = os.path.abspath(os.path.dirname(__file__))
                         os.unlink(os.path.join(basedir, 'test.db'))
                  # Login/Logout
def login(self, username, password):
    return self.app.post('/auth/login', data=dict(
                               username=username,
password=password),
                        return self.app.get('/auth/logout', follow_redirects=True)
                  def register_visitor(self, name, email):
    return self.app.get('/greg/register_visitor', data=dict(
                               name=name,
email=email),
```

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결과

```
Run: test ×

C:\Users\eodks\AppData\Local\Programs\Python\Python39\python.exe C:\Users/eodks/PycharmProjects/swsec_team1/test.py

Ran 0 tests in 0.000s

CK

Process finished with exit code 0
```

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