VIII. 接口编写

1. Models.py编写

分析，所有Models的共同点。

  a. 具有status字段

  b. 具有create_time字段

所有模块共同父类 => Base 集成至db.Model

```python
class Base(db.Model):
    __abstract__ = True
    create_time = Column(Integer)
    status = Column(SmallInteger, default=1)

    def __init__(self):
        self.create_time = int(datetime.now().timestamp())
```

2. 编写模型类 VulMsg 与 VulPointMsg

VulMsg

```python
class VulMsg(Base):
    __tablename__ = 'vul_msg'
    id = Column(Integer, primary_key=True)
    script_name = Column(String)
    vul_point_id = Column(Integer)
    user_id = Column(String)
```

VulPointMsg

```python
class VulPointMsg(Base):
    __tablename__ = 'vul_point_msg'
    id = Column(Integer, primary_key=True)
    serial_num = Column(Integer)
    description = Column(Text)
    vul_point_id = Column(String)
```

3. 接口编写

/verify/web/add

添加一个web检测脚本的信息。

提交字段的结构

```json
{
    "script_name": "FlaskShop_Base-1",
    "vul_point_msg": [
        {
            "serial_num": "abc",
            "description": "第一处: /search  命令执行"
        },
        {
            "serial_num": 2,
            "description": "第二处: /upload  yaml反序列漏洞"
        }
    ]
}
```

数据会同时写到两张表中 vul_msg vul_point_msg

vul_point_msg 添加数据方法

```python
@staticmethod
def add(vul_point_msg:dict):
    with db.auto_commit():
        vulPointMsg = VulPointMsg()
        vulPointMsg.serial_num = vul_point_msg.get('serial_num')
        vulPointMsg.description = vul_point_msg.get('description')
        vulPointMsg.vul_point_id = vul_point_msg.get('vul_point_id')
        vulPointMsg.user_id = vul_point_msg.get('user_id')
        db.session.add(vulPointMsg)
```

vul_msg 添加数据方法

```python
    @staticmethod
    def add(vul_msg:dict):
        with db.auto_commit():
            vulMsg = VulMsg()
            vulMsg.script_name = vul_msg.get('script_name')
            vulMsg.vul_point_id = vul_msg.get('vul_point_id')
            vulMsg.user_id = vul_msg.get('user_id')
            vul_point_msgs = vul_msg.get('vul_point_msg')
            for vul_point_msg in vul_point_msgs:
                data = {
                    'serial_num':vul_point_msg.get('serial_num'),
                    'description':vul_point_msg.get('description'),
                    'user_id':vul_msg.get('user_id'),
                    'vul_point_id':vul_msg.get('vul_point_id')
                }
                VulPointMsg.add(data)
            db.session.add(vulMsg)
```

视图函数：

```python
@app.route('/verify/web/add', methods=['POST'])
def web_add():
    data = request.json
    print(data)
    ...
    vul_point_id = uuid.uuid4()
    data['vul_point_id'] = vul_point_id
    print(data)
    VulMsg.add(data)
    return {'code':200, 'status':1, 'msg':'数据添加成功'}
```