Final Project Proposal – Part V

Assigned Date: 12/12/2023

Please finalize the report for your final project by incorporating the following components and consolidating them with your proposal:

- Please include screenshots of the user interface displaying the query results from your database application.
- Please provide an explanation of your application code and how it utilizes SQL to perform queries or updates.

(1)

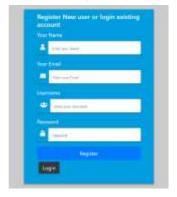
1.進行CRUD



2登入介面



3.註冊更新資料庫



4.使用者介面



(2)

透過html、css、javascript模擬一間串流公司後台數據庫,並使用python 的 flask 和ajax來連接資料庫和提升使用者體驗,且運用jquery和bootstrap等來美化設計 部分程式碼:

1.flask實作

```
1. # SQLite configurations
app.config['SQLALCHEMY DATABASE URI'] = 'sqlite:///site.db'
app.config['SQLALCHEMY TRACK MODIFICATIONS'] = False
db = SQLAlchemy(app)
class Account(db.Model):
    id = db.Column(db.Integer, primary key=True)
    fullname = db.Column(db.String(255), nullable=False)
    password = db.Column(db.String(255), nullable=False)
email = db.Column(db.String(255), nullable=False)
with app.app context():
    msg = ''
    if request.method == 'POST' and 'username' in request.form and
'password' in request.form:
        account = Account.query.filter by(username=username,
 assword=password).first()
            msg = 'Incorrect username/password!'
```

```
return render template('index.html', msg=msg)
'password' in request.form and 'email' in request.form:
        username = request.form['username']
password = request.form['password']
        email = request.form['email']
        existing account =
        if existing_account:
        elif not re.match(r'[^@]+@[^@]+\.[^@]+', email):
    msg = 'Invalid email address!'
        elif not username or not password or not email:
             msg = 'Please fill out the form!'
password = password, email = email)
             db.session.add(new account)
   elif request.method == 'POST':
    return render template('register.html', msg=msg)
```

2.ajax應用(新增資料)