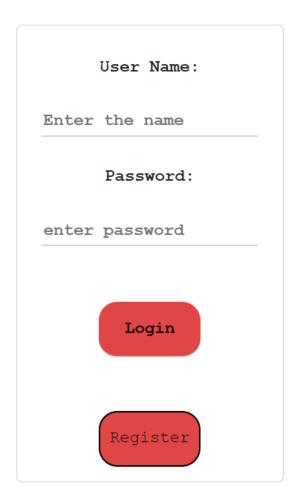
Questions:

1. Create a UI to Interact

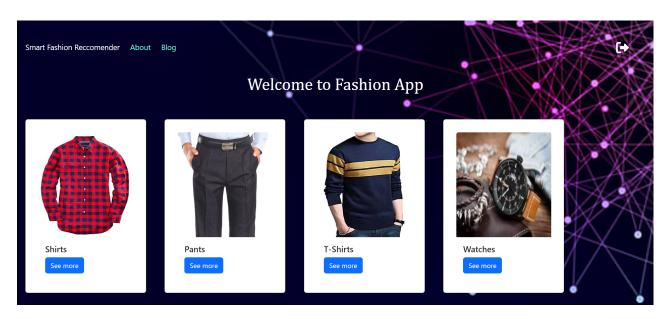
Login Page:



Signup Page:

User Name: Enter the name Email: Enter the email id Phone no: Enter the mobile no Password: enter password Retype Password: retype the password SignUp

Home Page:



2. Create IBM DB2 and Connect with Python

```
import ibm_db

connection=ibm_db.connect("DATABASE=bludb;HOSTNAME=b1bc1829-6f45-4cd4-bef4-10cf081900bf.clogj3sd0tgtu0lqde00.databases.appdomain.

print(connection)
print("connection Successfully")
```

```
@app.route('/adduser',methods= ['POST','GET'])
def adduser():
   message=""
   if request.method=='POST':
        try:
            name= request.form['username']
            mail= request.form['mail']
            mobile= request.form['mobile']
            password= request.form['password']
            # with sql.connect("database.db") as con:
                  cur= con.cursor()
                  cur.execute('insert into user
values(?,?,?,?)',(name,mail,mobile,password))
                 con.commit()
                  message="User Registered"
                  return redirect(url for('login'))
            sql = "SELECT * FROM ACCOUNT WHERE USERNAME =?"
            stmt = ibm db.prepare(connection, sql)
            ibm db.bind param(stmt,1,name)
            ibm db.execute(stmt)
            account = ibm db.fetch assoc(stmt)
            if account:
                return render template('list.html', msg="Account
Already Exists")
            else:
                command="INSERT INTO ACCOUNT
(USERNAME, EMAIL, PHONENO, PASSWORD) VALUES (?,?,?,?)"
                prep stmt = ibm db.prepare(connection, command)
                ibm db.bind param(prep stmt, 1, name)
                ibm db.bind param(prep stmt, 2, mail)
                ibm db.bind param(prep stmt, 3, mobile)
                ibm db.bind param(prep stmt, 4, password)
```

```
ibm db.execute(prep stmt)
                return render template('login.html', msg="TRUE")
        except:
            con.rollback()
            message="error"
            return render template("signup.html",error="TRUE")
    # return jsonify({message})
    # return render template('signup.html')
@app.route("/check", methods=['POST','GET'])
def check():
   msg=""
   if request.method=='POST':
        username = request.form['username']
        password = request.form['password']
        account=""
        # con=sql.connect("database.db")
        # con.row factory=sql.Row
        # cur =con.cursor()
        # cur.execute("SELECT * FROM user")
        # # rows= cur.fetchall()
        # cur.execute('SELECT * FROM user where name=? and
password=?', (username,password))
        # account = cur.fetchone()
        try:
            command= "SELECT * FROM ACCOUNT WHERE USERNAME =? AND
PASSWORD =?"
            stmt=ibm db.prepare(connection,command)
            ibm db.bind param(stmt, 1, username)
            ibm db.bind param(stmt, 2, password)
            ibm db.execute(stmt)
            result = ibm db.fetch assoc(stmt)
            while result !=False:
                account=result['USERNAME']
```

```
result = ibm db.fetch assoc(stmt)
            if account:
                session['loggedin'] = True
                session['name'] = account
                return redirect(url for('hello'))
            else:
                msg = "Incorrect username/password!"
                return render template('login.html', msg=msg)
        except:
            return render template('login.html', msg="Account not
found")
        #return render template("list.html",rows=rows)
@app.route('/logout')
def logout():
  session.pop('loggedin', None)
  session.pop('name', None)
   return redirect(url for('login'))
if name ==' main ':
   app.run()
```