Date	12November 2022
Team ID	PNT2022TMID02538
Project Name	Inventory Management System For Retailer

app.py
creating flak application

```
from flask import Flask, render_template, url_for, redirect
from flask_sqlalchemy import SQLAlchemy
from flask_login import UserMixin, login_user, LoginManager, login_required, logout_user, current_user
from flask_wtf import FlaskForm
from wtforms import StringField, PasswordField, SubmitField
from wtforms.validators import InputRequired, Length, ValidationError
from flask_bcrypt import Bcrypt
from flask import Flask, render_template, redirect, url_for, session
from flask_sqlalchemy import SQLAlchemy
from flask_migrate import Migrate, MigrateCommand
from flask_script import Manager
from flask_uploads import UploadSet, configure_uploads, IMAGES
from flask_wtf import FlaskForm
from wtforms import StringField, IntegerField, TextAreaField, HiddenField, SelectField
from flask_wtf.file import FileField, FileAllowed
from flask_mail import Mail, Message
import random
import smtplib
app = Flask(__name__)
db = SQLAlchemy(app)
bcrypt = Bcrypt(app)




photos = UploadSet('photos', IMAGES)

app.config['UPLOADED_PHOTOS_DEST'] = 'images'

configure_uploads(app, photos)




app.config['SQLALCHEMY_DATABASE_URI'] = 'sqlite:///trendy.db'
app.config['SECRET_KEY'] = 'thisisasecretkey'
app.config['SQLALCHEMY_BINDS']={
  'two' : 'sqlite:///database.db'
}
```

```python
login_manager = LoginManager()
login_manager.init_app(app)
login_manager.login_view = 'login'




migrate = Migrate(app, db)

manager = Manager(app)
manager.add_command('db', MigrateCommand)

class Product(db.Model):
    id = db.Column(db.Integer, primary_key=True)
    name = db.Column(db.String(50), unique=True)
    price = db.Column(db.Integer) #in cents
    stock = db.Column(db.Integer)
    description = db.Column(db.String(500))
    image = db.Column(db.String(100))

    orders = db.relationship('Order_Item', backref='product', lazy=True)

class Order(db.Model):
    id = db.Column(db.Integer, primary_key=True)
    reference = db.Column(db.String(5))
    first_name = db.Column(db.String(20))
    last_name = db.Column(db.String(20))
    phone_number = db.Column(db.Integer)
    email = db.Column(db.String(50))
    address = db.Column(db.String(100))
    city = db.Column(db.String(100))
    state = db.Column(db.String(20))
    country = db.Column(db.String(20))
    status = db.Column(db.String(10))
    payment_type = db.Column(db.String(10))
    items = db.relationship('Order_Item', backref='order', lazy=True)

    def order_total(self):
        return db.session.query(db.func.sum(Order_Item.quantity *
Product.price)).join(Product).filter(Order_Item.order_id == self.id).scalar() + 1000

    def quantity_total(self):
        return db.session.query(db.func.sum(Order_Item.quantity)).filter(Order_Item.order_id ==
self.id).scalar()

class Order_Item(db.Model):
    id = db.Column(db.Integer, primary_key=True)
    order_id = db.Column(db.Integer, db.ForeignKey('order.id'))
    product_id = db.Column(db.Integer, db.ForeignKey('product.id'))
    quantity = db.Column(db.Integer)

class AddProduct(FlaskForm):
    name = StringField('Name')
    price = IntegerField('Price')
    stock = IntegerField('Stock')
    description = TextAreaField('Description')
    image = FileField('Image', validators=[FileAllowed(IMAGES, 'Only images are accepted.')])
```

```python
class AddToCart(FlaskForm):
    quantity = IntegerField('Quantity')
    id = HiddenField('ID')

class Checkout(FlaskForm):
    first_name = StringField('First Name')
    last_name = StringField('Last Name')
    phone_number = StringField('Number')
    email = StringField('Email')
    address = StringField('Address')
    city = StringField('City')
    state = SelectField('State', choices=[('CA', 'California'), ('WA', 'Washington'), ('NV', 'Nevada')])
    country = SelectField('Country', choices=[('US', 'United States'), ('UK', 'United Kingdom'), ('FRA', 'France')])
    payment_type = SelectField('Payment Type', choices=[('CK', 'Check'), ('WT', 'Wire Transfer')])

def handle_cart():
    products = []
    grand_total = 0
    index = 0
    quantity_total = 0

    for item in session['cart']:
        product = Product.query.filter_by(id=item['id']).first()

        quantity = int(item['quantity'])
        total = quantity * product.price
        grand_total += total

        quantity_total += quantity

        products.append({'id' : product.id, 'name' : product.name, 'price' :  product.price, 'image' : product.image, 'quantity' : quantity, 'total': total, 'index': index})
        index += 1

    grand_total_plus_shipping = grand_total + 1000

    return products, grand_total, grand_total_plus_shipping, quantity_total

@login_manager.user_loader
def load_user(user_id):
    __bind_key__='two'
    return User.query.get(int(user_id))


class User(db.Model, UserMixin):
    __bind_key__='two'
    id = db.Column(db.Integer, primary_key=True)
    username = db.Column(db.String(40), nullable=False, unique=True)
    password = db.Column(db.String(80), nullable=False)


class RegisterForm(FlaskForm):
    __bind_key__='two'
    username = StringField(validators=[
                InputRequired(), Length(min=4, max=40)], render_kw={"placeholder": "Username"})

    password = PasswordField(validators=[
```

```python
                    InputRequired(), Length(min=8, max=20)], render_kw={"placeholder": "Password"})

    submit = SubmitField('Register')

    def validate_username(self, username):
        __bind_key__='two'
        existing_user_username = User.query.filter_by(
            username=username.data).first()
        if existing_user_username:
            raise ValidationError(
                'That username already exists. Please choose a different one.')


class LoginForm(FlaskForm):
    __bind_key__='two'
    username = StringField(validators=[
                InputRequired(), Length(min=4, max=40)], render_kw={"placeholder": "Username"})

    password = PasswordField(validators=[
                    InputRequired(), Length(min=8, max=20)], render_kw={"placeholder": "Password"})

    submit = SubmitField('Login')


@app.route('/')
def home():
    return render_template('home.html')


@app.route('/login', methods=['GET', 'POST'])
def login():

    form = LoginForm()
    if form.validate_on_submit():
        user = User.query.filter_by(username=form.username.data).first()
        if user:
            if bcrypt.check_password_hash(user.password, form.password.data):
                login_user(user)
                return redirect(url_for('index'))
    return render_template('login.html', form=form)

'''
@app.route('/dashboard', methods=['GET', 'POST'])
@login_required
def dashboard():
    return render_template('dashboard.html')


@app.route('/logout', methods=['GET', 'POST'])
@login_required
def logout():
    logout_user()
    return redirect(url_for('login'))
'''

@app.route('/index')
def index():
    products = Product.query.all()
```

```python
    return render_template('index.html', products=products)

@app.route('/product/<id>')
def product(id):
    product = Product.query.filter_by(id=id).first()

    form = AddToCart()

    return render_template('view-product.html', product=product, form=form)

@app.route('/quick-add/<id>')
def quick_add(id):
    if 'cart' not in session:
        session['cart'] = []

    session['cart'].append({'id' : id, 'quantity' : 1})
    session.modified = True

    return redirect(url_for('index'))

@app.route('/add-to-cart', methods=['POST'])
def add_to_cart():
    if 'cart' not in session:
        session['cart'] = []

    form = AddToCart()

    if form.validate_on_submit():

        session['cart'].append({'id' : form.id.data, 'quantity' : form.quantity.data})
        session.modified = True

    return redirect(url_for('index'))

@app.route('/cart')
def cart():
    products, grand_total, grand_total_plus_shipping, quantity_total = handle_cart()

    return render_template('cart.html', products=products, grand_total=grand_total,
grand_total_plus_shipping=grand_total_plus_shipping, quantity_total=quantity_total)

@app.route('/remove-from-cart/<index>')
def remove_from_cart(index):
    del session['cart'][int(index)]
    session.modified = True
    return redirect(url_for('cart'))

@app.route('/checkout', methods=['GET', 'POST'])
def checkout():
    form = Checkout()

    products, grand_total, grand_total_plus_shipping, quantity_total = handle_cart()

    if form.validate_on_submit():

        order = Order()
        form.populate_obj(order)
```

```python
    order.reference = ''.join([random.choice('ABCDE') for _ in range(5)])
    order.status = 'PENDING'

    for product in products:
        order_item = Order_Item(quantity=product['quantity'], product_id=product['id'])
        order.items.append(order_item)

        product = Product.query.filter_by(id=product['id']).update({'stock' : Product.stock -
product['quantity']})

    db.session.add(order)
    db.session.commit()

    session['cart'] = []
    session.modified = True

    return redirect(url_for('index'))

    return render_template('checkout.html', form=form, grand_total=grand_total,
grand_total_plus_shipping=grand_total_plus_shipping, quantity_total=quantity_total)

@app.route('/admin')
def admin():
    products = Product.query.all()
    products_in_stock = Product.query.filter(Product.stock > 0).count()

    orders = Order.query.all()

    return render_template('admin/index.html', admin=True, products=products,
products_in_stock=products_in_stock, orders=orders)

@app.route('/admin/add', methods=['GET', 'POST'])
def add():
    form = AddProduct()

    if form.validate_on_submit():
        image_url = photos.url(photos.save(form.image.data))

        new_product = Product(name=form.name.data, price=form.price.data, stock=form.stock.data,
description=form.description.data, image=image_url)

        db.session.add(new_product)
        db.session.commit()

        return redirect(url_for('admin'))

    return render_template('admin/add-product.html', admin=True, form=form)

@app.route('/admin/order/<order_id>')
def order(order_id):
    order = Order.query.filter_by(id=int(order_id)).first()

    return render_template('admin/view-order.html', order=order, admin=True)
```

```python
@ app.route('/register', methods=['GET', 'POST'])
def register():
    __bind_key__='two'
    form = RegisterForm()

    if form.validate_on_submit():
        hashed_password = bcrypt.generate_password_hash(form.password.data)
        new_user = User(username=form.username.data, password=hashed_password)
        db.session.add(new_user)
        db.session.commit()
        return redirect(url_for('login'))

    return render_template('register.html', form=form)


if __name__ == "__main__":
    app.run(debug=True)
```

TEMPLATES:
Base.html

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>{% block title %}{% endblock %}</title>

    <!-- Bootstrap CSS -->
    <link rel="stylesheet" href="{{ url_for('static', filename='bs/css/flatly.min.css') }}" />
    <link rel="stylesheet" href="{{ url_for('static', filename='css/styles.css') }}" />
  </head>
  <body>
    {% if admin %}
    <nav class="navbar navbar-default navbar-fixed-top" role="navigation">
      <div class="container-fluid">
        <!-- Brand and toggle get grouped for better mobile display -->
        <div class="navbar-header">
          <button type="button" class="navbar-toggle" data-toggle="collapse" data-target=".navbar-ex1-collapse">
            <span class="sr-only">Toggle navigation</span>
            <span class="icon-bar"></span>
            <span class="icon-bar"></span>
            <span class="icon-bar"></span>
          </button>
          <a class="navbar-brand" href="{{ url_for('index') }}">Trendy Fashion Store</a>
        </div>
```

```
<!-- Collect the nav links, forms, and other content for toggling -->
<div class="collapse navbar-collapse navbar-ex1-collapse">
  <ul class="nav navbar-nav">
    <li class="active">
      <a href="{{ url_for('admin') }}"><i class="glyphicon glyphicon-dashboard"></i> Admin Dashboard</a>
    </li>
    <li>
      <a href="{{ url_for('add') }}"><i class="glyphicon glyphicon-plus-sign"></i> Add Product</a>
    </li>
    <li>
      <a href="{{ url_for('index') }}"><i class="glyphicon glyphicon-chevron-left"></i> Back To Front</a>
    </li>
  </ul>
</div><!-- /.navbar-collapse -->
</div>
</nav>
{% else %}
<nav class="navbar navbar-default navbar-fixed-top" role="navigation">
  <div class="container-fluid">
    <!-- Brand and toggle get grouped for better mobile display -->
    <div class="navbar-header">
      <button type="button" class="navbar-toggle" data-toggle="collapse" data-target=".navbar-ex1-collapse">
        <span class="sr-only">Toggle navigation</span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
      </button>
      <a class="navbar-brand" href="{{ url_for('index') }}">Trendy Fashion Store</a>
    </div>

    <!-- Collect the nav links, forms, and other content for toggling -->
    <div class="collapse navbar-collapse navbar-ex1-collapse">
      <ul class="nav navbar-nav navbar-right">
        <li class="active">
          <a href="{{ url_for('cart') }}">
            <i class="glyphicon glyphicon-shopping-cart"></i> Cart
          </a>
        </li>
      </ul>
    </div><!-- /.navbar-collapse -->
  </div>
</nav>
{% endif %}

<div class="container" id="page">

{% block body %}{% endblock %}

  <footer>
    <div class="row pad">
      <div class="col-lg-12 text-center">
        Copyright &copy; 2017 <strong>Trendy Fashion Store</strong>
      </div>
```

```
        </div>
      </footer>
    </div>

    <!-- jQuery -->
    <script src="{{ url_for('static', filename='bs/js/jquery.min.js') }}"></script>
    <!-- Bootstrap JavaScript -->
    <script src="{{ url_for('static', filename='bs/js/bootstrap.min.js') }}"></script>

  </body>
</html>
```

home.html- Dashboard page
```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="{{ url_for('static', filename='css/homestyles.css') }}" />
  <title>Home</title>
</head>

<body>
<div class="login">
  <form id="login" method="" action="">

    <center><a href="{{ url_for('login') }}">Login Page</a><br></center>
    <center><a href="{{ url_for('register') }}">Register Page</a><br></center>
    <br><br>
  </form>

<script>
  window.watsonAssistantChatOptions = {
    integrationID: "1e1722cd-90ae-4848-9eb2-e559c5ab71c8", // The ID of this integration.
    region: "jp-tok", // The region your integration is hosted in.
    serviceInstanceID: "0738c83e-02d9-4636-8b32-0908a70361e3", // The ID of your service
instance.
    onLoad: function (instance) { instance.render(); }
  };
  setTimeout(function () {
    const t = document.createElement('script');
    t.src = "https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
    document.head.appendChild(t);
  });
</script>




</body>
```

</html>

signin.html –sigin page

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="{{ url_for('static', filename='css/loginstyles.css') }}" />
    <title>Login</title>
</head>

<body>
<h2>Login Page</h2><br>
<div class="login">
    <form id="login" method="POST" action="">
    {{ form.hidden_tag() }}
        <label><b>User Name
            </b>
        </label>
        {{ form.username }}
        <br><br>
        <label><b>Password
            </b>
        </label>
        {{ form.password }}
        <br><br>
        <center>{{ form.submit }}</center>
        <br><br>
    </form>




<script>
    window.watsonAssistantChatOptions = {
        integrationID: "1e1722cd-90ae-4848-9eb2-e559c5ab71c8", // The ID of this integration.
        region: "jp-tok", // The region your integration is hosted in.
        serviceInstanceID: "0738c83e-02d9-4636-8b32-0908a70361e3", // The ID of your service instance.
        onLoad: function (instance) { instance.render(); }
    };
    setTimeout(function () {
        const t = document.createElement('script');
        t.src = "https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
        document.head.appendChild(t);
    });
</script>




</body>

</html>
```

signup.html-Registration page

```html
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="{{ url_for('static', filename='css/loginstyles.css') }}" />
  <title>Register</title>
</head>

<body>
<h2>Register Page</h2><br>
<div class="login">
  <form id="login" method="POST" action="">
    {{ form.hidden_tag() }}
    <label><b>User Name
      </b>
    </label>
    {{ form.username }}
    <br><br>
    <label><b>Password
      </b>
    </label>
    {{ form.password }}
    <br><br>
    <center>{{ form.submit }}</center>
    <br><br>
  </form>

<script>
  window.watsonAssistantChatOptions = {
    integrationID: "1e1722cd-90ae-4848-9eb2-e559c5ab71c8", // The ID of this integration.
    region: "jp-tok", // The region your integration is hosted in.
    serviceInstanceID: "0738c83e-02d9-4636-8b32-0908a70361e3", // The ID of your service instance.
    onLoad: function (instance) { instance.render(); }
  };
  setTimeout(function () {
    const t = document.createElement('script');
    t.src = "https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
    document.head.appendChild(t);
  });
</script>




</body>

</html>
```

Cart.html
```html
{% extends "base.html" %}
```

```
{% block title %}Cart | Trendy Fashion Store{% endblock %}

{% block body %}
<div class="row">
        <div class="col-lg-8">
                <h3 class="bold">
                        <i class="glyphicon glyphicon-shopping-cart"></i> Your Shopping Cart
                </h3>

                <div class="panel panel-primary">
                        <div class="panel-body">
                                {% for product in products %}
                                <div class="row">
                                        <div class="col-lg-4">
                                                <div class="col-xs-12 col-sm-12 col-md-12 col-lg-12">
                                                        <div class="thumbnail thumbnail-q">
                                                                <img src="{{ product['image'] }}" alt="">
                                                        </div>
                                                </div>
                                        </div>
                                        <div class="col-lg-4">
                                                <h3 class="bold">{{ product['name'] }}</h3>
                                                <p>&dollar;{{ product['price'] / 100 }}</p>
                                                <br />
                                                <p>
                                                        <a href="{{ url_for('remove_from_cart',
index=product['index']) }}">

                                                                <button type="button" class="btn btn-danger btn-
xs">

                                                                        <i class="glyphicon glyphicon-trash"></i>
                                                        </button></a>
                                                </p>
                                        </div>
                                        <div class="col-lg-2">
                                                <h3>Quantity</h3>
                                                <p>
                                                        {{ product['quantity'] }}
                                                </p>
                                        </div>
                                        <div class="col-lg-2">
                                                <h3>Total</h3>
                                                <p>
                                                        <strong>&dollar;{{ product['total'] /
100 }}</strong>
                                                </p>
                                        </div>
                                </div>
                                {% endfor %}
                        </div>
                </div>
        </div>

        <div class="col-lg-4">
                <h3 class="bold">
                        <i class="glyphicon glyphicon-th-list"></i> Cart Summary
                </h3>

                <div class="panel panel-primary">
```

```html
                <div class="panel-body">
                        Current Cart Value
                </div>
                <ul class="list-group">
                        <li class="list-group-item">
                                <p>
                                        {{ quantity_total }} Items <strong class="pull-right">&dollar;{{ grand_total / 100 }}</strong>
                                </p>
                                <p>
                                        24hr Shipping <strong class="pull-right">&dollar;10</strong>
                                </p>
                        </li>
                        <li class="list-group-item">
                                <p>Total <strong class="pull-right">&dollar;{{ grand_total_plus_shipping / 100 }}</strong></p>
                        </li>
                </ul>
                <div class="panel-footer">
                        <a href="{{ url_for('checkout') }}" class="btn btn-primary btn-sm">
                                Checkout <i class="glyphicon glyphicon-chevron-right"></i>
                        </a>
                        <a href="{{ url_for('index') }}" class="btn btn-link btn-sm pull-right">
                                <i class="glyphicon glyphicon-chevron-left"></i> Continue
Shopping
                        </a>
                </div>
        </div>
    </div>
</div>
{% endblock %}
```

Checkout.html
```html
{% extends "base.html" %}

{% block title %}Checkout | Trendy Fashion Store{% endblock %}

{% block body %}
<div class="row">
        <div class="col-lg-8">
                <h3 class="bold">
                        <i class="glyphicon glyphicon-pencil"></i> Shipping Information
                </h3>

                <div class="panel panel-primary">
                        <form method="POST" action="{{ url_for('checkout') }}">
                        <div class="panel-body">
                                <div class="row">
                                        <div class="col-lg-12">
                                                <h4 class="bold">Personal Information</h4>
                                        </div>
                                        {{ form.csrf_token }}
                                        <div class="col-lg-6">
                                                <div class="form-group">
                                                        <label>Firstname</label>
                                                        {{ form.first_name(class='form-control') }}
```

```html
                                        </div>
                                        <div class="form-group">
                                                <label>Lastname</label>
                                                {{ form.last_name(class='form-control') }}
                                        </div>
                                </div>
                                <div class="col-lg-6">
                                        <div class="form-group">
                                                <label>Phone Number</label>
                                                {{ form.phone_number(class='form-control') }}
                                        </div>
                                        <div class="form-group">
                                                <label>Email</label>
                                                {{ form.email(class='form-control') }}
                                        </div>
                                </div>
                        </div>

                        <div class="row">
                                <div class="col-lg-12">
                                        <h4 class="bold">Address</h4>
                                </div>
                                <div class="col-lg-6">
                                        <div class="form-group">
                                                <label>Address</label>
                                                {{ form.address(class='form-control') }}
                                        </div>
                                        <div class="form-group">
                                                <label>City</label>
                                                {{ form.city(class='form-control') }}
                                        </div>
                                </div>
                                <div class="col-lg-6">
                                        <div class="form-group">
                                                <label>State</label>
                                                {{ form.state(class='form-control') }}
                                        </div>
                                        <div class="form-group">
                                                <label>Country</label>
                                                {{ form.country(class='form-control') }}
                                        </div>
                                </div>
                        </div>

                        <div class="row">
                                <div class="col-lg-12">
                                        <h4 class="bold">Payment</h4>
                                </div>
                                <div class="col-lg-6">
                                        <div class="form-group">
                                                <label>Payment Option</label>
                                                {{ form.payment_type(class='form-control') }}
                                        </div>
                                </div>
                        </div>
                </div>

                <div class="panel-footer">
```

```html
                <button type="submit" class="btn btn-primary btn-sm">
                    Submit My Order
                </button>
            </div>
            </form>
        </div>
    </div>

    <div class="col-lg-4">
        <h3 class="bold">
            <i class="glyphicon glyphicon-th-list"></i> Cart Details
        </h3>

        <div class="panel panel-primary">
            <div class="panel-body">
                Current Cart Value
            </div>
            <ul class="list-group">
                <li class="list-group-item">
                    <p>
                        {{ quantity_total }} Items <strong class="pull-right">&dollar;{{ grand_total / 100 }}</strong>
                    </p>
                    <p>
                        24hr Shipping <strong class="pull-right">&dollar;10</strong>
                    </p>
                </li>
                <li class="list-group-item">
                    <p>Total <strong class="pull-right">&dollar;{{ grand_total_plus_shipping / 100 }}</strong></p>
                </li>
            </ul>
        </div>

        <div class="panel panel-primary">
            <div class="panel-heading">
                <h3 class="panel-title">Benefits</h3>
            </div>
            <div class="panel-body">
                Some of the benefits of shopping with us include:
            </div>
            <ul class="list-group">
                <li class="list-group-item">Buyer Protection</li>
                <li class="list-group-item">Next Day Delivery</li>
                <li class="list-group-item">Flexible Payment Options</li>
                <li class="list-group-item">7day Money Back Guarantee</li>
            </ul>
        </div>
    </div>
</div>
{% endblock %}
```

Product.html
```html
{% extends "base.html" %}

{% block title %}View Product | Trendy Fashion Store{% endblock %}
```

```
{% block body %}
<div class="row">
        <div class="col-lg-12">
                <ol class="breadcrumb">
                        <li>
                                <a href="{{ url_for('index') }}">Home</a>
                        </li>
                        <li class="active">View Product</li>
                </ol>
        </div>
</div>

<div class="row pad">
        <div class="col-lg-5">
                <div class="col-xs-12 col-sm-12 col-md-12 col-lg-12">
                        <div class="thumbnail">
                                <img src="{{ product.image }}" alt="">
                        </div>
                </div>
        </div>

        <div class="col-lg-7">
                <div class="panel panel-primary">
                        <div class="panel-heading">
                                <h3 class="panel-title">Product Details</h3>
                        </div>
                        <div class="panel-body">
                                <h3>{{ product.name }}  
                                        {% if product.stock > 0 %}
                                        <small>(In Stock)</small>
                                        {% else %}
                                        <small>(Out of Stock)</small>
                                        {% endif %}
                                </h3>
                                <h4>&dollar;{{ product.price / 100 }}</h4>
                                <hr />
                                {{ product.description }}
                                <hr />

                                <form action="{{ url_for('add_to_cart') }}" method="POST">
                                {% if product.stock > 0 %}
                                <div class="row">
                                        <div class="col-lg-4">
                                                <div class="row">
                                                        <div class="col-lg-12">
                                                                Quantity
                                                        </div>
                                                        <div class="col-lg-12">
                                                                {{ form.csrf_token }}

                                                                {{ form.quantity(class='form-control',
type='number', min=1, max=product.stock, step=1, value=1) }}

                                                                {{ form.id(value=product.id) }}
                                                        </div>
                                                </div>
                                        </div>
                                </div>
                        </div>
```

```
                {% endif %}
        </div>
        <div class="panel-footer">
                {% if product.stock > 0 %}
                <button type="submit" class="btn btn-primary">
                        <i class="glyphicon glyphicon-shopping-cart"></i> Add To Cart
                </button>
                {% endif %}
        </div>
        </form>
    </div>

    <div role="tabpanel">
        <!-- Nav tabs -->
        <ul class="nav nav-tabs" role="tablist">
                <li role="presentation" class="active">
                        <a href="#description" aria-controls="description" role="tab" data-
toggle="tab">Product Description</a>
                </li>
                <li role="presentation">
                        <a href="#shipping" aria-controls="shipping" role="tab" data-
toggle="tab">Shipping Details</a>
                </li>
        </ul>

        <!-- Tab panes -->
        <div class="tab-content">
                <div role="tabpanel" class="tab-pane active" id="description">
                        <h3>Product Description</h3>
                        {{ product.description }}
                </div>
                <div role="tabpanel" class="tab-pane" id="shipping">
                        <h3>Shipping Details</h3>
                        $10 Flat Rate
                </div>
        </div>
    </div>
  </div>

</div>
{% endblock %}
```

Addproduct.html:

```
{% extends "base.html" %}

{% block title %}Add New Product | Trendy Fashion Store{% endblock %}

{% block body %}
<div class="row pad">
        <div class="col-lg-12">
                <h2 class="bold text-center">Add New Product To The Inventory</h2>
        </div>
</div>

<div class="row">
        <div class="col-lg-10 col-lg-offset-1">
```

```html
                <div class="panel panel-default">
                    <form method="POST" action="{{ url_for('add') }}" enctype="multipart/form-data">
                        <div class="panel-body">
                            <div class="row">
                                {{ form.csrf_token }}
                                <div class="col-lg-6">
                                    <div class="form-group">
                                        <label>Product Name</label>
                                        {{ form.name(class='form-control') }}
                                    </div>

                                    <div class="form-group">
                                        <label>Product Price</label>
                                        {{ form.price(class='form-control') }}
                                    </div>

                                    <div class="form-group">
                                        <label>Opening Stock</label>
                                        {{ form.stock(class='form-control') }}
                                    </div>
                                </div>
                                <div class="col-lg-6">
                                    <div class="form-group">
                                        <div class="form-group">
                                            <label>Description</label>
                                            {{ form.description(class='form-control') }}

                                        </div>

                                        <label>Product Image</label>
                                        {{ form.image(class='form-control') }}
                                    </div>
                                </div>
                            </div>
                        </div>

                        <div class="panel-footer">
                            <button type="submit" class="btn btn-primary">
                                <i class="glyphicon glyphicon-plus-sign"></i> Save Product
                            </button>
                        </div>
                    </form>
                </div>
        </div>
</div>
{% endblock %}
```

View order.html:

```html
{% extends "base.html" %}

{% block title %}Order Details | Trendy Fashion Store{% endblock %}

{% block body %}
<div class="row pad">
    <div class="col-lg-12">
        <div class="panel panel-default">
            <div class="panel-body">
                <h3 class="bold">ORDER {{ order.reference }} FROM {{ order.first_name + '
```

```
' + order.last_name }}</h3>
                                        <p>Products: {{ order.quantity_total() }} (&dollar;{{ order.order_total() /
100 }})</p>
                                        <p>Status: <span class="badge">{{ order.status }}</span></p>
                        </div>
                </div>
        </div>
</div>

<div class="row">
        <div class="col-lg-6">
                <div class="panel panel-default">
                        <div class="panel-body">
                                <h4>Products Bought</h4>
                        </div>
                        <div class="table-responsive">
                                <table class="table table-striped table-bordered">
                                        <thead>
                                                <tr>

        <th>#</th><th>Name</th><th>Price</th><th>Units</th><th>Total</th>
                                                </tr>
                                        </thead>
                                        <tbody>
                                                {% for item in order.items %}
                                                <tr>
                                                        <td>{{ item.product_id }}</td>
                                                        <td>{{ item.product.name }}</td>
                                                        <td>&dollar;{{ item.product.price / 100 }}</td>
                                                        <td>{{ item.quantity }}</td>
                                                        <th>&dollar;{{ item.product.price * item.quantity /
100 }}</th>
                                                </tr>
                                                {% endfor %}
                                                <tr>
                                                        <td>0</td>
                                                        <td>Flat Rate Shipping</td>
                                                        <td>&dollar;10.00</td>
                                                        <td>1</td>
                                                        <th>&dollar;10.00</th>
                                                </tr>
                                        </tbody>
                                        <tfoot>
                                                <tr>
                                                        <th colspan="4" class="text-right">Total</th>
                                                        <th>{{ order.order_total() / 100 }}</th>
                                                </tr>
                                        </tfoot>
                                </table>
                        </div>
                </div>
        </div>
        <div class="col-lg-6">
                <h3 class="strong">Buyer Information</h3>
                <div role="tabpanel">
                        <!-- Nav tabs -->
                        <ul class="nav nav-tabs" role="tablist">
                                <li role="presentation" class="active">
```

```html
                                <a href="#shipping" aria-controls="shipping" role="tab" data-
toggle="tab">Shipping Info</a>
                                </li>
                                <li role="presentation">
                                        <a href="#details" aria-controls="details" role="tab" data-
toggle="tab">Personal Details</a>
                                </li>
                        </ul>

                        <!-- Tab panes -->
                        <div class="tab-content">
                                <div role="tabpanel" class="tab-pane active" id="shipping">
                                        <h4 class="bold">Shipping Information</h4>
                                        <p><i class="glyphicon glyphicon-user"></i> NAME:
<strong>{{ order.first_name + ' ' + order.last_name }}</strong></p>
                                        <p><i class="glyphicon glyphicon-map-marker"></i> ADDRESS:
                                                <strong>{{ order.address }}</strong>
                                        </p>
                                        <p><i class="glyphicon glyphicon-th"></i> City:
<strong>{{ order.city }}</strong></p>
                                        <p><i class="glyphicon glyphicon-th"></i> State:
<strong>{{ order.state }}</strong></p>
                                        <p><i class="glyphicon glyphicon-flag"></i> Country:
<strong>{{ order.country }}</strong></p>
                                        <hr />
                                        <p>
                                                <i class="glyphicon glyphicon-gift"></i>
                                                Delivery: <strong>Next Day Delivery</strong>
                                        </p>
                                        <hr />
                                        <p>
                                                <i class="glyphicon glyphicon-piggy-bank"></i>
                                                Payment Type: <strong>{{ order.payment_type }}</strong>
                                        </p>
                                </div>
                                <div role="tabpanel" class="tab-pane" id="details">
                                        <h4 class="bold">Personal Details Provided</h4>
                                        <p><i class="glyphicon glyphicon-user"></i> NAME:
<strong>{{ order.first_name + ' ' + order.last_name }}</strong></p>
                                        <p><i class="glyphicon glyphicon-phone-alt"></i> PHONE:
<strong>{{ order.phone_number }}</strong></p>
                                        <p>
                                                <i class="glyphicon glyphicon-envelope"></i> EMAIL:
                                                <strong>{{ order.email }}</strong>
                                        </p>
                                </div>
                        </div>
                </div>
        </div>
</div>
{% endblock %}
```

Output:
Login page:

Add New Product To The Inventory

Product Name

Description

Product Price

Product Image

Choose File   No file chosen

Opening Stock

⊕ Save Product

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🕐 **Admin Dashboard**

Pending Orders **6**   Products In Stock **8**   Products Out of Stock **0**   Total Products **8**

Pending Orders

Orders that have not been fully completed

ID	REF	Customer	Total	Status
1	ABCDE	John Doe	$389.95	PENDING
2	BEABA	Test Test	$159.97	PENDING
3	BACEC	New Order	$209.97	PENDING
4	EDADD		$29.99	PENDING
5	EECEB		$29.99	PENDING
6	EDDBC	sanjai j	$15.0	PENDING

Available Products

Products available in the products catalog

#	Name	Price	Stock
1	Blouse	$49.99	97 units
2	Faded Short Sleeve T-Shirt	$19.99	37 units
3	Printed Dress	$89.99	23 units
4	shirt	$5.0	9 units
5	dress	$6.0	10 units
6	pant	$5.0	30 units
7	mask	$1.0	200 units
8	dolo 650	$1.0	100 units

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