

An aerial photograph of a winding asphalt road that curves through a dense, green forest. The road is light gray and contrasts with the dark green trees. The forest appears to be a mix of deciduous and coniferous trees. The road starts from the top right and curves downwards and to the left, disappearing into the woods.

PROJECT NAME: **ONLINE SHOPPING STORE**

COURSE NAME: **SOFTWARE TRAINING FALL 2021**

Instructor Name: 何臻力

Division of labor among project members

Student No.	Name	Development tasks	Workload
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TABLE OF CONTENTS

01

PROJECT OVERVIEW

Key features
Technology I used

02

CLASS DESIGN

Class and relationship Diagram

03

DATABASE DESIGN

Table and relationship Diagram

04

FUNCTIONAL IMPLEMENTATION

Core code and screenshot

05

SHOW THE PROJECT

Runnable system with README file

Project Overview

The software we have made is an e-commerce software that enables online shopping ability to shops. This allows shops to conduct their business online through the internet. The customers can visit the site and browse the shops catalogue of items for sale. The customers can log into the system to view the products for sale, add products to their cart and purchase them. Using their address information provided during registration, the shop can also offer delivery services should they wish. The shopkeeper can also use the system to view their sales and update their inventory. The system can seamlessly integrate itself in the day to day business of a shop.

User

Admin/shopkeeper

Customer

Visitor

Technology I used for implementation

- Python
- Django
- JavaScript
- JQuery
- Owl Carousel
- Ajax
- HTML 5
- CSS
- Bootstrap 5
- FontAwesome
- sqlite3

Key Features

Admin/shopkeeper

The shopkeeper/admin of our system, can manage the system.

- ☐ They can view the inventory.
- ☐ Add, remove, modify products for sale.
- ☐ Admin can add customer and group.
- ☐ Admin can see customer information.
- ☐ Confirm place order and update product delivery.
- ☐ Check their total sales and profit.
- ☐ Admin can see customer carts and they can also add carts to the system.

Customer

- ☐ Customer can add product to their cart and buy later.
- ☐ Order product and payment with Alipay or WeChat or back card.
- ☐ They can see their profile
- ☐ They can set their product shipping address.

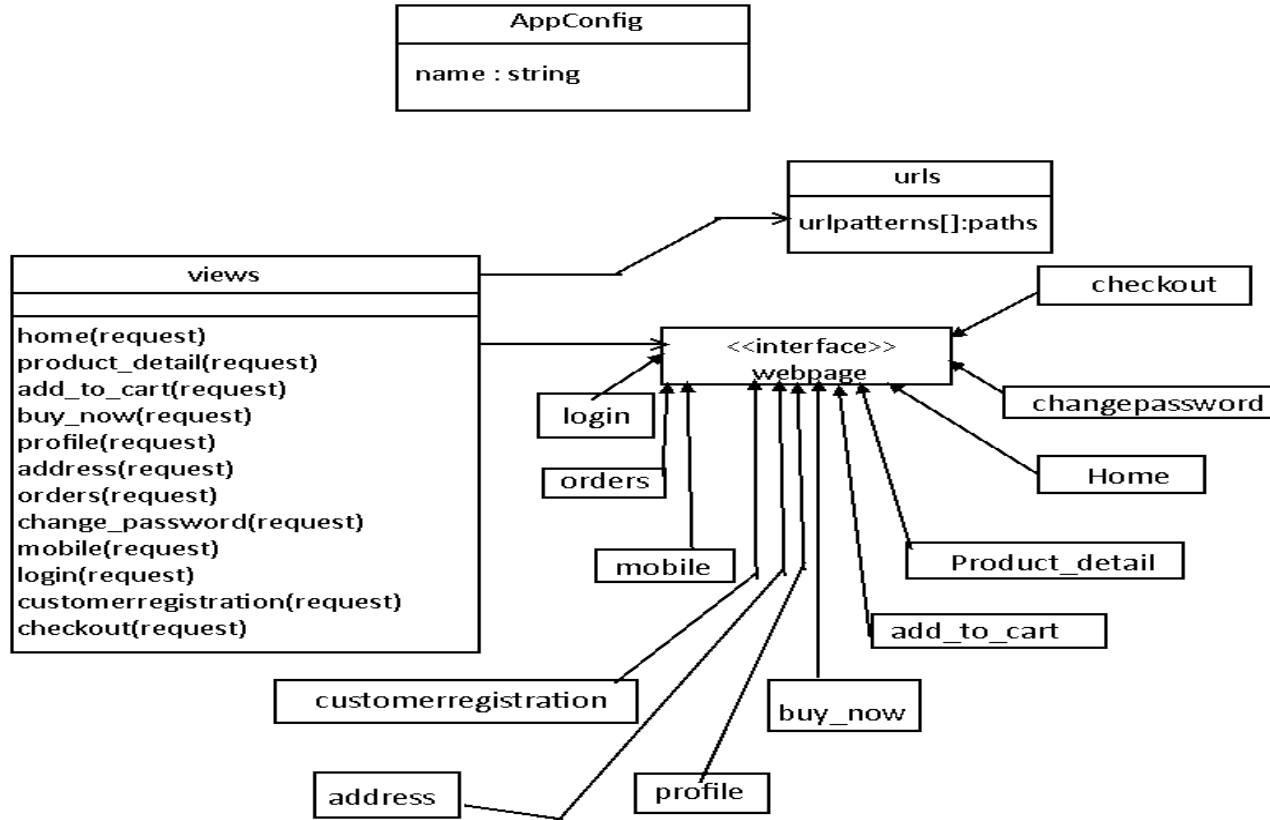
Visitor

- ☐ Visitor just browse product, and view the product information.

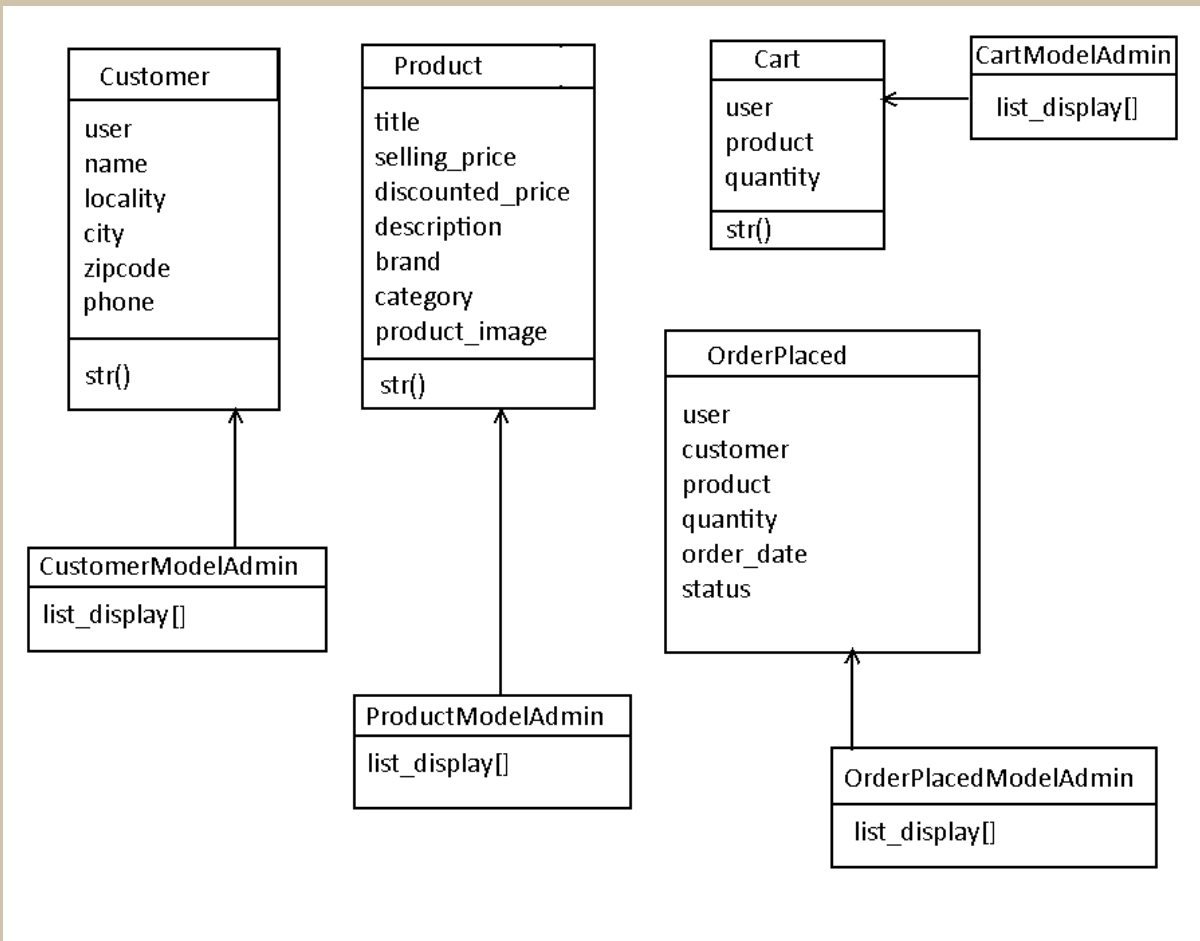
Common

- ☐ Register
- ☐ Login
- ☐ Logout
- ☐ View the product

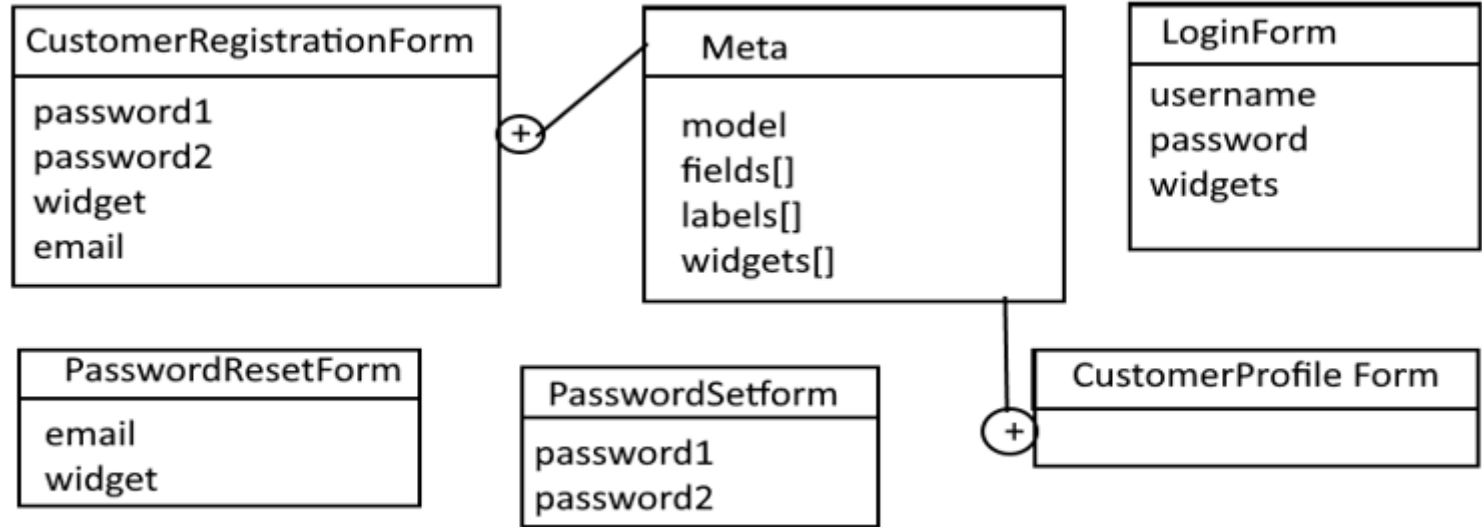
Class Design



Class Design



Class Design



Django class

JavaScript Dependencies



Database Table

Customer	
User	ForeignKey
Name	CharField
Locality	CharField
City	CharField
Zipcode	IntegerField
P.Number	IntegerField
State	CharField

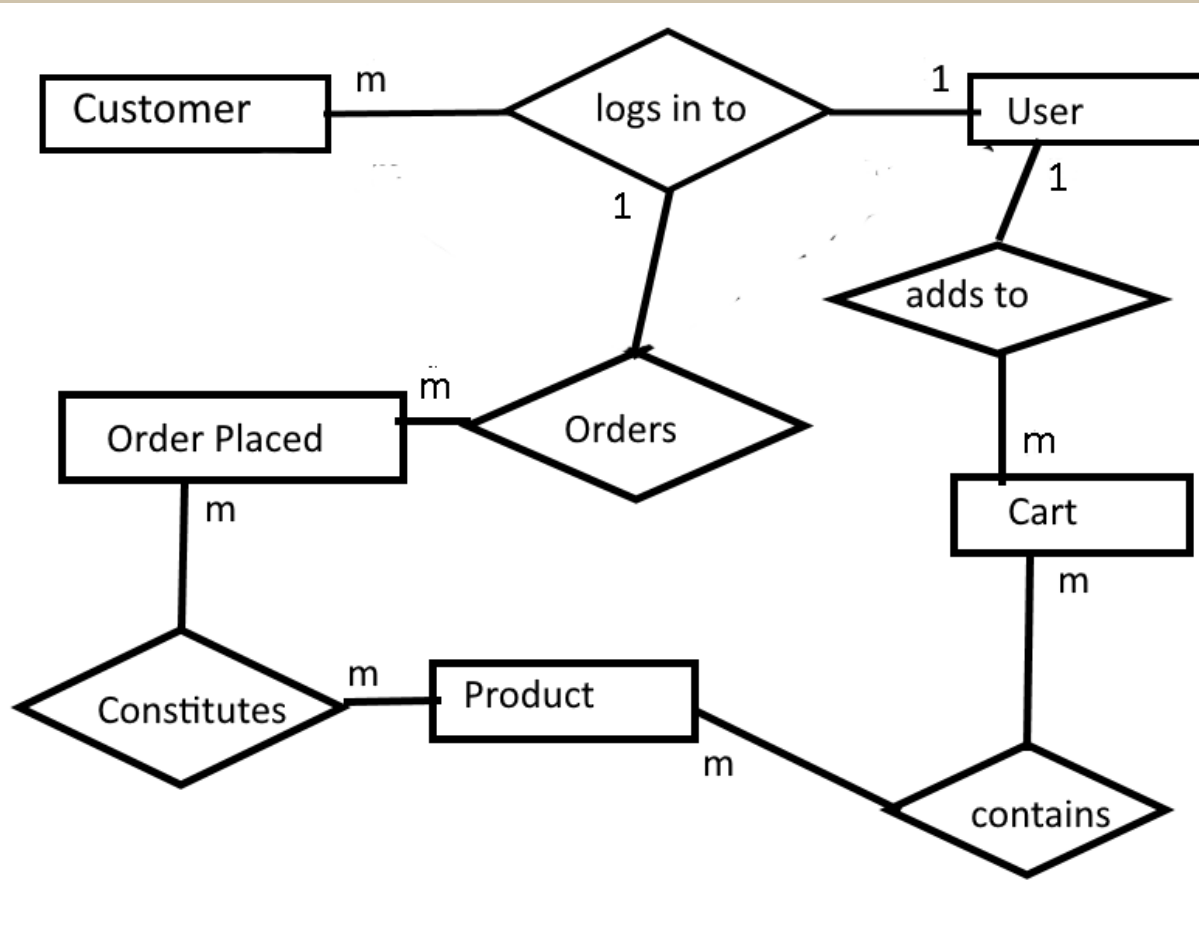
User	
Username	Primary key
Password	CharField
Name	CharField

Cart	
User	ForeignKey
Product	ForeignKey
Quantity	PositiveIntegerField

Product	
Title	CharField
SellingPrice	FloatField
DiscountedPrice	FloatField
Description	TextField
Brand	CharField
Category	CharField
ProductImage	ImageField

Orderplaced	
User	ForeignKey
Customer	ForeignKey
Product	ForeignKey
Quantity	PositiveIntegerField
OrderedDate	DateTimeField
Status	CharField

Database relation



**Screenshot of our
system**

Runnable Software and Code explanation



What I am going to deliver

- Requirement documentation
- Design documentation
- Organized source code with README.md file
- Final Report