Project Specification

Team number: 36

Team members: Yuhan Xiao (yuhanx), Yezhen Gong (yezheng), Tianyi Zhu (tzhu1)

Product Backlog: a complete list of functionality

Group	Page	Action	Action Description
Customer	Dropdown Bar	Redirect to different customer pages	Redirect to Main Page, Shopping Cart Page, Orders History Page, Account Info Page
		Log out	Log out the current customer
	Register Page	Register	Register as a customer
		Switch to login	Switch to the login page
	Login Page	Login	Log in as a customer
		Switch to register	Switch to the login page
	Main Page	Browse	Browse a list of vendors with brief vendor information
		Click	Click on each vendor to redirect to the specific menu page of a vendor
	Shopping Cart Page	Browse	Browse a list of meal items currently in the shopping cart
		Edit	Change the quantity of each meal item
		Proceed to checkout	Redirect the customer to the 3rd-party payment page
	Venmo Payment Page	Pay	The customer is able to enter their payment information on the 3rd-party venmo page and confirm payment
	Payment Status Page	Browse	Show the customer a success or failure message depending on the payment status
		Send Email	Send the user an email with the QR Code for order pickup and pickup information including vendor name,

			timeslot	
	Account Info Page	Update	Update user image, password, email, phone, the email notification setting	
	Orders History Page	Browse	Browse the history of the placed orders of the customer for the past week, showing order status as "placed", "picked up", and "expired"	
Vendor	Register Page	Register	Register as a vendor	
		Switch to login	Switch to the login page	
	Login Page	Login	Log in as a vendor	
		Switch to register	Switch to the register page	
	Vendor Main Page	Add Meal	Add a new meal to today's menu	
	(Menu Management)	Browse latest 3 meals added	Browse the list of latest 3 meals added by the current vendor	
	Dropdown Bar	Logout	Logout the current vendor	
		Switch to ordering status	Use dropdown bar to switch to ordering status page	
		Switch to menu management	Use dropdown bar to switch to menu management page	
		Switch to vendor info	Use dropdown bar to switch to account information page	
	Account Info Page	Update	Update image, password, phone, location, car and time slot	
	Pickup Confirmation Page	Pickup Confirmation	After scanning the QR Code of order, vendor will browse the content of an order, and confirm that the order has been picked up	
	Ordering Status Page	Browse ordering status	Check the number of meals sold for each meal on today's menu	

First Sprint backlog: A description of functionalities and corresponding product owners

Group	Page	Action	Action Description	Product Owner	
Customer	Dropdown Bar	Redirect to different customer pages	Redirect to Main Page, Shopping Cart Page, Orders History Page, Account Info Page	Yezhen Gong	
		Log out	Log out the current customer		
	Register Page	Register	Register as a customer	Tianyi Zhu	
		Switch to login	Switch to the login page		
	Login Page	Login	Log in as a customer	Tianyi Zhu, Yuhan Xiao	
		Switch to register	Switch to the login page		
	Main Page	Browse	Browse a list of vendors with brief vendor information	Tianyi Zhu, Yezhen Gong, Yuhan Xiao	
		Click	Click on each vendor to redirect to the specific menu page of a vendor		
	Shopping Cart Page	Browse	Browse a list of meal items currently in the shopping cart	Tianyi Zhu, Yezhen Gong	
		Edit	Change the quantity of each meal item		
	Account Info Page	Update	Update user image, password, email, phone, the email notification setting	Tianyi Zhu, Yezhen Gong	
	Orders History Page	Browse	Browse the history of the placed orders of the customer for the past week, showing order status as "placed", "picked up", and "expired"	Yuhan Xiao	
Vendor	Register Page	Register	Register as a vendor	Tianyi Zhu	

		Switch to login	Switch to the login page	
	Login Page	Login	Log in as a vendor	Tianyi Zhu,
		Switch to register	Switch to the register page	Yuhan Xiao
	Vendor Main Page (Menu Managemen t)	Add Meal	Add a new meal to today's menu	Yezhen Gong, Yuhan Xiao
		Browse latest 3 meals added	Browse the list of latest 3 meals added by the current vendor	
	Dropdown Bar	Logout	Logout the current vendor	Yezhen Gong
		Switch to ordering status	Use dropdown bar to switch to ordering status page	
		Switch to menu management	Use dropdown bar to switch to menu management page	
		Switch to vendor info	Use dropdown bar to switch to account information page	
	Account Info Page	Update	Update image, password, phone, location, car and time slot	Tianyi Zhu, Yezhen Gong
	Ordering Status Page	Browse ordering status	Check the number of meals sold for each meal on today's menu	Yuhan Xiao

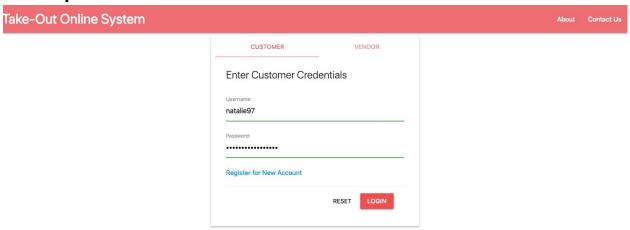
Models

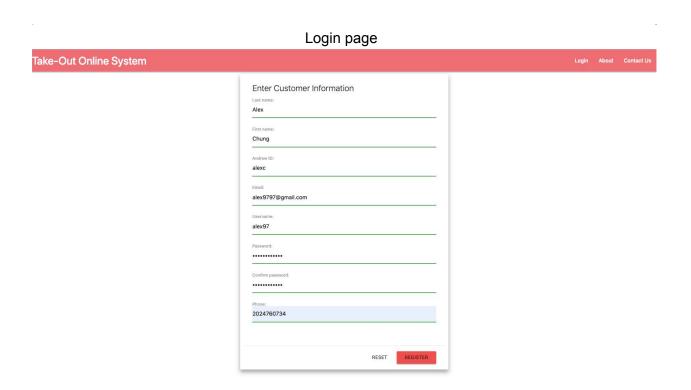
```
from django.db <mark>import</mark> models
from django.contrib.auth.models import User
class CustomerProfile(models.Model):
     customer = models.OneToOneField(User,

default=None, on_delete=models.PROTECT,

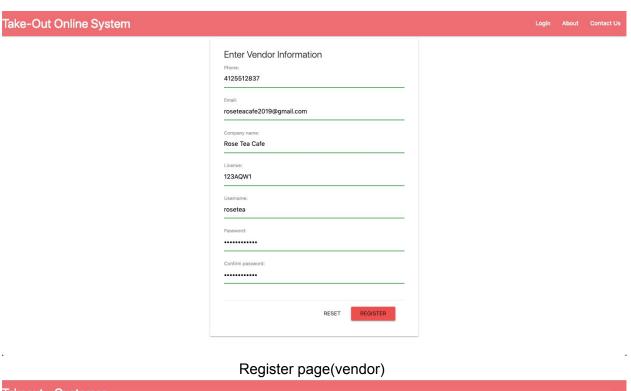
related_name='customer_profile')
     notification_enable = models.BooleanField(default=True)
     andrew_id = models.CharField(max_length=20)
     phone = models.CharField(max_length=12)
     profile_pic = models.FileField(blank=True)
            return 'Customer Profile for: ' + self.customer.first_name + ' ' + \
self.customer.last_name + ' , andrew ID is: ' + self.andrew_id
     vendor = models.OneToOneField(User, default=None, on_delete=models.PROTECT,
                                               related_name='vendor_profile')
     phone = models.CharField(max_length=12)
      company_name = models.CharField(max_length=20)
      license = models.CharField(max_length=100)
     time_slot = models.CharField(max_length=200)
     parking_location = models.CharField(max_length=200)
car = models.CharField(max_length=200)
     profile_pic = models.FileField(blank=True)
                     'Vendor Profile for: ' + self.company_name
class Order(models.Model):
     total_amount = models.IntegerField()
     customer_profile = models.ForeignKey(CustomerProfile,
                                                         default=None, on_delete=models.PROTECT)
     status = models.CharField(max_length=20)
         __sdr__(secr).
return 'Order amount is: ' + str(self.total_amount) + \
' , for customer: ' + self.customer_profile.customer.first_name + ' ' +
                     self.customer_profile.customer.last_name +
class VendorMeal(models.Model):
     meal_detail = models.CharField(max_length=200)
price = models.IntegerField()
      vendor = models.ForeignKey(VendorProfile,
     number_ordered = models.IntegerField(default=0)
avail_quantity = models.IntegerField()
drink = models.CharField(max_length=50)
     meal_type = models.CharField(max_length=20)
meal_name = models.CharField(max_length=50)
                     'Vendor meal detail is: ' + self.meal_detail + \
                    vendor meat detail is: ' + setf.meat_detail + \
' , price is: ' + str(self.price) + \
' , vendor is: ' + self.vendor.company_name + \
' , number ordered is: ' + str(self.number_ordered) + \
' , drink is: ' + self.drink
class CustomerMeal(models.Model):
     picked_up = models.BooleanField(default=False)
     vendor_meal = models.ForeignKey(VendorMeal,
                                                 # when a VendorMeal is deleted, all associated
# CustomerMeals are deleted on cascade
                                                  default=None, on_delete=models.CASCADE)
     date = models.DateField()
     order = models.ForeignKey(Order, default=None, on_delete=models.PROTECT) quantity = models.IntegerField(default=0)
     def __str__(self):
          __str__(setf):
return 'Customer meal status is: ' + str(self.picked_up) + \
    ' , meal type is: ' + str(self.vendor_meal) + \
    ' , date is: ' + str(self.date) + \
    ' , order is: ' + str(self.order)
```

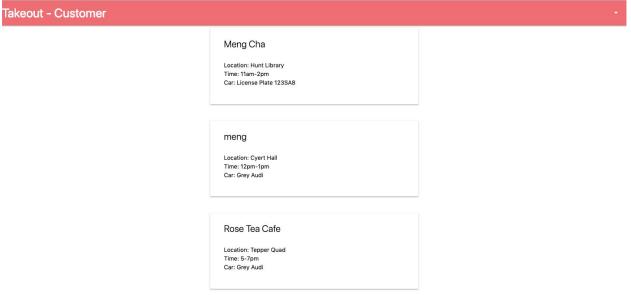
Mockups





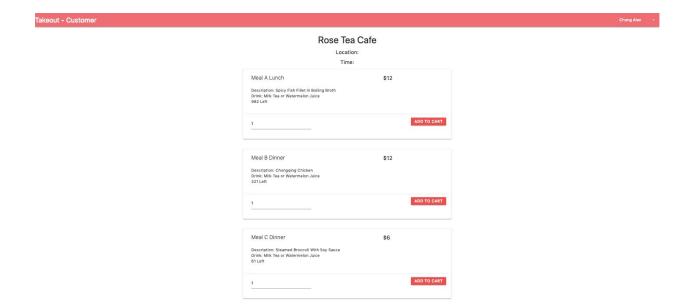
Register page(customer)





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Main Page/Restaurant List(customer)

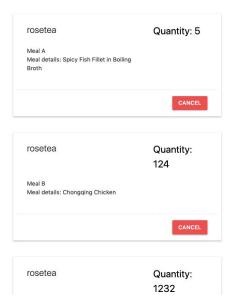


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Meal Details(customer)

Takeout - Customer Chung Alex

Shopping Cart



Shopping Cart(customer)



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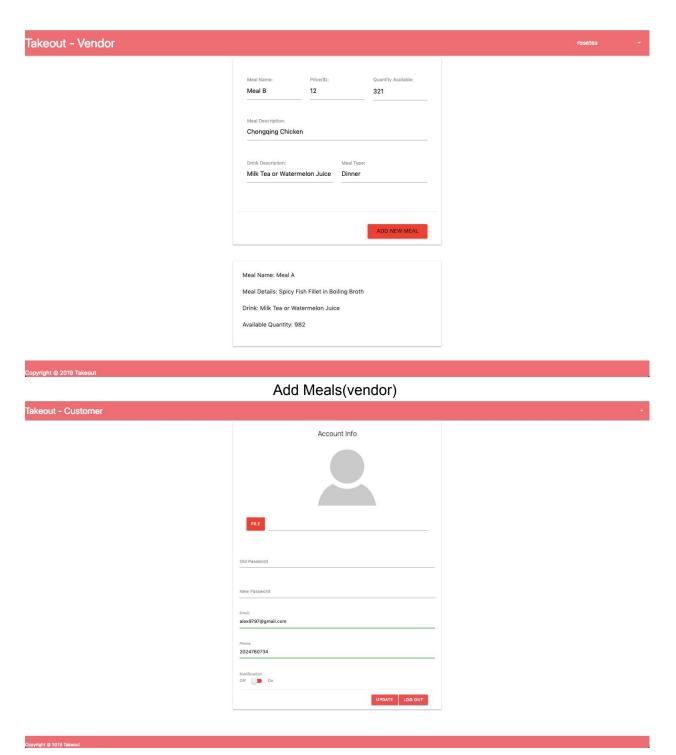
Order History(customer)

Takeout - Vendor rosetes ▼

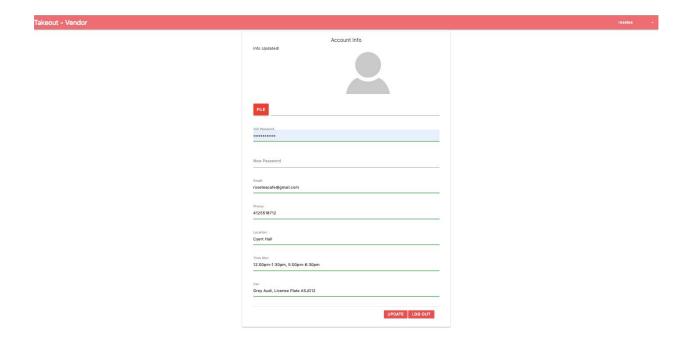


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Main page/Order Summary(vendor)



Profile Page(customer)



Profile Page(vendor)