

Django DBMS Project

Team members:

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Outline

- Introduction
- Requirements Analysis
- Implementation
- Repository and SCRUM
- Demo

Introduction

- Project commitment:

Delivering a web-based application for resource management and regular works conduct of general purpose store

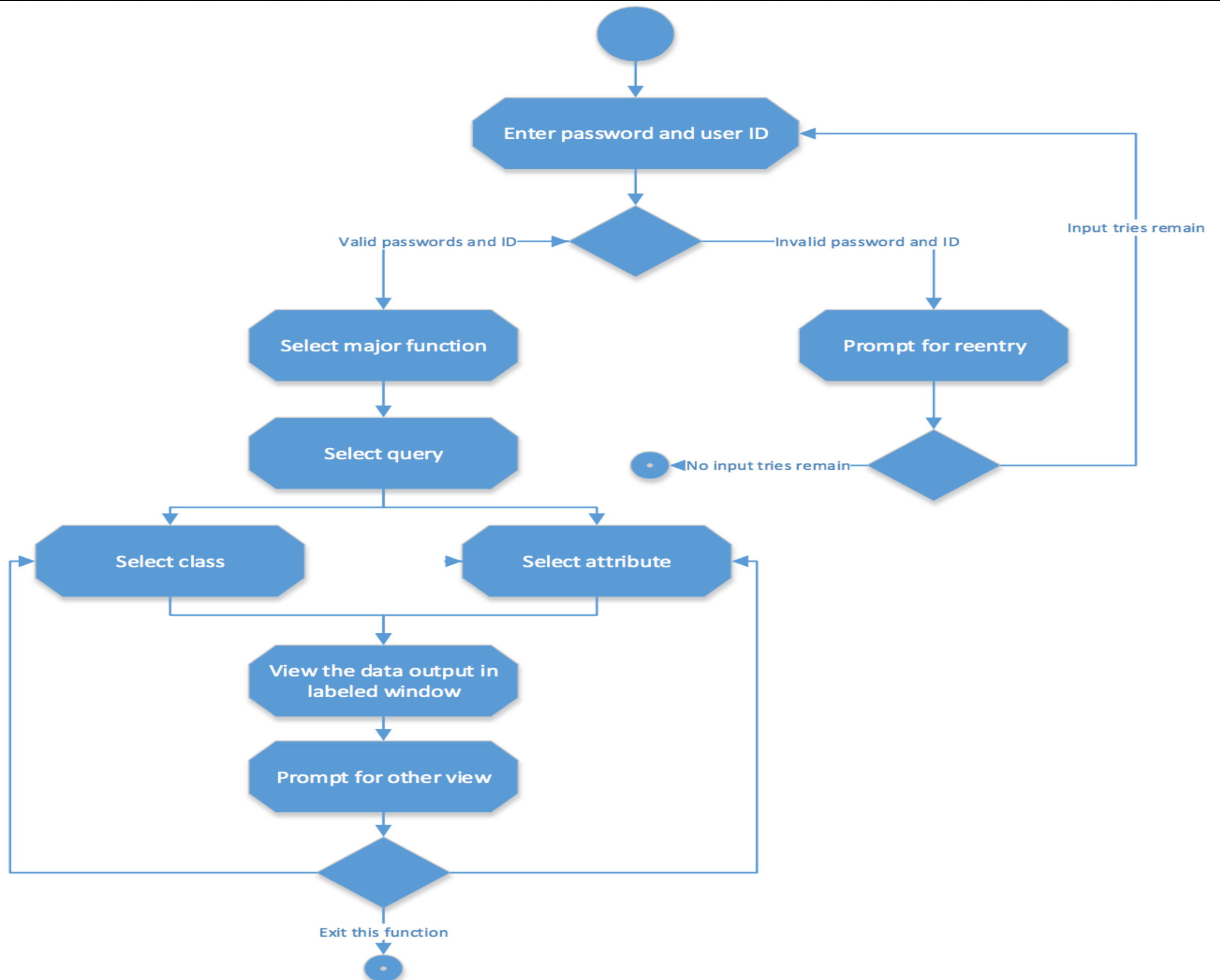
- Users:

Store Manger, Staff

Requirements Analysis

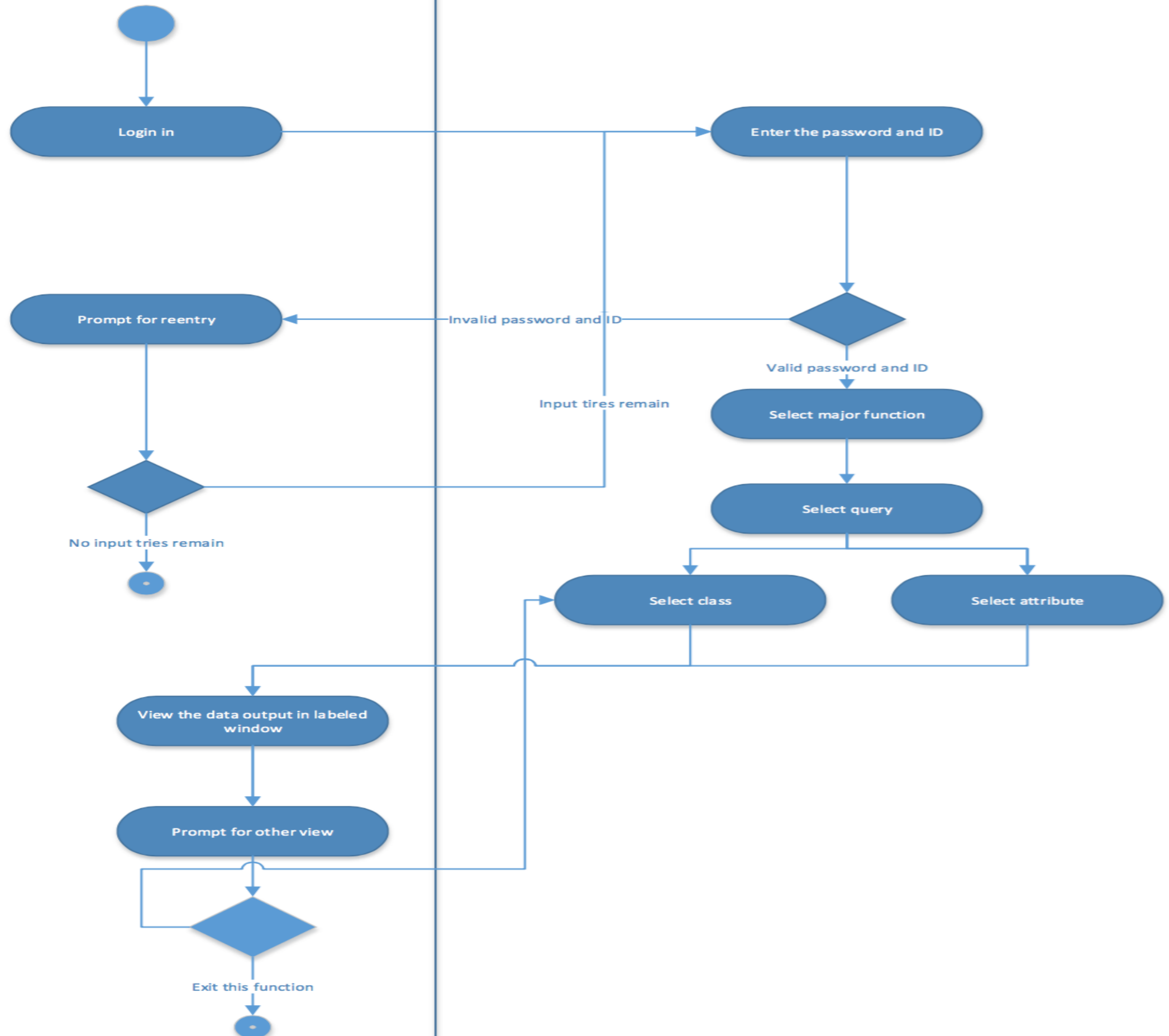
- User Story

Scenario 5: Add a new-membership Account.
Given that an admin user is already logged in.
Select the workflow-menu.
Select the Membership Sub-menu.
Select the New-membership Sub-menu.
Enter the Name, Phone number, gender,
Birthday, balance amount, Pin Code, Address.
Click Submit to submit the details.
The application should respond outlining that
the record has been entered.



Query

Homeowner



Implementation

- Server Host:
 - Python2.7
 - Django 1.8.4
 - MySQL(Optional)
- UI and Interaction
 - JavaScript
 - jQuery/FancyBox/Bootstrap

Implementation

- Data Model

```
class Customer(models.Model):
    name = models.CharField(max_length=32)
    phone = models.CharField(max_length=32)
    address = models.CharField(max_length=255)
    gender = models.CharField(max_length=16)
    birthday = models.DateField()

    # cchen @ 2016.09.10:
    # Add unique constraints for name+phone combination
    class Meta:
        unique_together = ('name', 'phone')

class Membership(models.Model):
    regDate = models.DateField(auto_now_add=True)
    balance = models.DecimalField(max_digits=19, decimal_places=2)
    passphrase = models.CharField(max_length=32)
    customerNo = models.ForeignKey(Customer, related_name='membership', null=True, on_delete=models.SET_NULL)
```


Implementation

- View Render and Request Handler

```
# Products new/update handler
@login_required
def exp_product_reg(request):
    resp = 'OK'
    needUpdate = True

    productNo = request.POST.get('product')
    count = request.POST.get('count')
    details = request.POST.get('details')
    print productNo, count, details
    try:
        if productNo == "new":
            new_name = request.POST.get('product_new')
            new_price = request.POST.get('product_price')
            prod = Product(name=new_name, price=new_price, count=count)
            prod.save()
            productNo = prod.id
            needUpdate = False


        payment = request.POST.get('payment')
        prod = Product.objects.get(id=productNo)
        exp = Expenditure(payment=payment, details=details, productNo=prod, count=count)
        exp.save()

        if needUpdate:
            prod.count = prod.count + long(count)
            prod.save()





    except:
        print >> sys.stderr, traceback.format_exc()
        resp = 'exp product reg error'

    return HttpResponse(resp)
```


Repository





 This repository

Pull requests Issues Gist


 **cchen1983** / **DjangoDBMS**  2  0  0












[Code](#) [Issues 0](#) [Pull requests 0](#) [Projects 0](#) [Wiki](#) [Pulse](#) [Graphs](#) [Settings](#)

A django-based web DBMS for general purpose store. — Edit


 3 commits  1 branch  0 releases  1 contributor

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 **cchen1983** Update code comments Latest commit 8bb645b 6 hours ago

 contacts	Add first stage development source.	13 days ago
 home	Add first stage development source.	13 days ago
 login	Update code comments	6 hours ago
 query	Update code comments	6 hours ago
 static	Update code comments	6 hours ago
 templates	Add first stage development source.	13 days ago
 waka	Add first stage development source.	13 days ago
 workflow	Update code comments	6 hours ago
 .gitignore	Add first stage development source.	13 days ago
 ReadMe.txt	Initialize the django project.	13 days ago
 get-pip.py	Add first stage development source.	13 days ago

SCRUM Tool

Scrumwise

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OverviewProjectsPeopleBacklogSprintsTask boardBurndownMore

Django DBMS

Send feedback

Workflow page design.2 d Sprint completed

Query Page Design2 d Sprint completed

Sprint 2Resume this sprintCompleted

DJTeam9 days completed

Implement Query page functionality3 d Sprint completed

Django interfaces for Data Models2 d Sprint completed

Implement Workflow page functionality4 d Sprint completed

Sprint 3Start this sprintIn planning

DJTeam3 / 7 days

Implement User Account Management Module0 d leftIn progress

Query and Workflow page handler3 days


4 days left

Backlog items that are not assigned to any sprint

Integrated test and debug3 days

+ Add a sprint

ShowAll sprints



+ Add a backlog item

Demo

Waka

Home

Query

Workflow

About

cchen

Purchasing

Membership

Expenditure

Stock

Others

Stock In

Stock

New stock

Count

30

Payment

20

2

20

Details

Submit

Waka

Home

Query

Workflow

About

cchen

Query and Edit

Backup and Restore

Select Class: Customer

Search attribute: name Attribute value: Chao

Search

*	id	name	phone	address	gender	birthday
edit	1	Chao Chen	8326431256	5625 Bissonnet ST Apt 207	Male	2016-09-01