

Sistema generador de recibos de pago

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1. Resumen

Sistema que se encarga de generar archivos con información de pagos online estos tienen como datos principales: código, producto y total. Estos datos servirán para identificar el recibo de pago. De igual manera se generan documentos random de recibos cuya finalidad podría ser la de poder comprobar la correcta funcionalidad de páginas web a través de la ejecución del sistema generador de recibos de pago.

2. Palabras clave

redis, celery, server, beat, sistema de compra, recibos.

3. Ejecución de pruebas

La configuración de `INSTALLED_APPS` se encuentra en la parte superior del archivo. Esta contiene los nombres de todas las aplicaciones Django que están activadas en esta instancia de Django, aquí irán todas nuestras aplicaciones creadas con anterioridad, en. Además en esta parte es donde realizamos las configuraciones de la ip para poder conectarnos con nuestro servidor en este caso ingresamos la ip de la otra computadora que es 172.16.19.224.

```
INSTALLED_APPS = [  
    'django.contrib.admin',  
    'django.contrib.auth',  
    'django.contrib.contenttypes',  
    'django.contrib.sessions',  
    'django.contrib.messages',  
    'django.contrib.staticfiles',  
    'appDatos',  
]
```

settings.py

```

CELERY_BROKER_URL = 'redis://172.16.19.224:6379'
CELERY_RESULT_BACKEND = 'redis://172.16.19.224:6379'
#CELERY_BROKER_URL = 'redis://192.168.0.21:6379'
#CELERY_RESULT_BACKEND = 'redis://192.168.0.21:6379'
CELERY_ACCEPT_CONTENT = ['application/json']
CELERY_TASK_SERIALIZER = 'json'
CELERY_RESULT_SERIALIZER = 'json'
CELERY_TIMEZONE = TIME_ZONE

```

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Settings.py

```

celery.py base.py local.py
# -*- coding: utf-8 -*-
from __future__ import unicode_literals

from django.contrib import admin

# Register your models here.
from .models import SistemaPagoOnline
admin.site.register(SistemaPagoOnline)

```

admin.py

En el archivo de task.py vamos a generar la información que va a contener el documento, y el documento tendrá la siguiente información: pago_folio, pago_artículo, pago_total, mensaje, new_obj. Y esa información se verá reflejada en el sistema online, previamente instalado y abierto.

```
tasks.py — ~/Documents/proyectofinalv2 — Atom
celery.py base.py local.py tasks.py
from __future__ import absolute_import, unicode_literals
import random
from celery.decorators import task
from .models import SistemaPagoOnline

@task(name="Envio_Recibo")
def email(folio, articulo, total):
    pago_folio = folio
    pago_articulo = articulo
    pago_total = total
    mensaje = folio, articulo, total
    new_obj = SistemaPagoOnline.objects.create(item_name='Recibo',
    pago_folio = pago_folio,
    pago_articulo = pago_articulo,
    pago_total = pago_total,
    mensaje = mensaje)
    return mensaje
```

Task.py

```
celery.py base.py models.py
from __future__ import unicode_literals

from django.db import models

#Create your models here
class SistemaPagoOnline(models.Model):
    item_name = models.CharField(max_length=120, null=True, blank=True)
    pago_folio = models.CharField(max_length=120, null=True, blank=True)
    pago_articulo = models.CharField(max_length=120, null=True, blank=True)
    pago_total= models.CharField(max_length=120, null=True, blank=True)
    ticket_created = models.DateTimeField(auto_now_add = True)
    mensaje = models.CharField(max_length=120, null=True, blank =True)

    def __str__(self):
        return str(self.mensaje)
```

Models.py

Celery es una aplicación que nos permite crear tareas de trabajo asíncronas gestionadas por un gestor de colas que está basada en el envío de mensajes de manera distribuida. Se focaliza en operaciones en tiempo real pero también soporta la calendarización de tareas, es decir, puede lanzar tareas que se tengan que ejecutar en un momento determinado o de manera periódica. En el archivo de celery

vamos a definir el tiempo que se tiene que generar, en este caso se va a generar documento en 5, 10 y 15 segundos estos datos se pueden editar pero estos 1 son los valores predeterminados. Cada que pase el tiempo predeterminado lo que se hará será generar archivos con los datos previamente ingresados

```
from __future__ import absolute_import, unicode_literals
import os
from celery import Celery
from celery.schedules import crontab

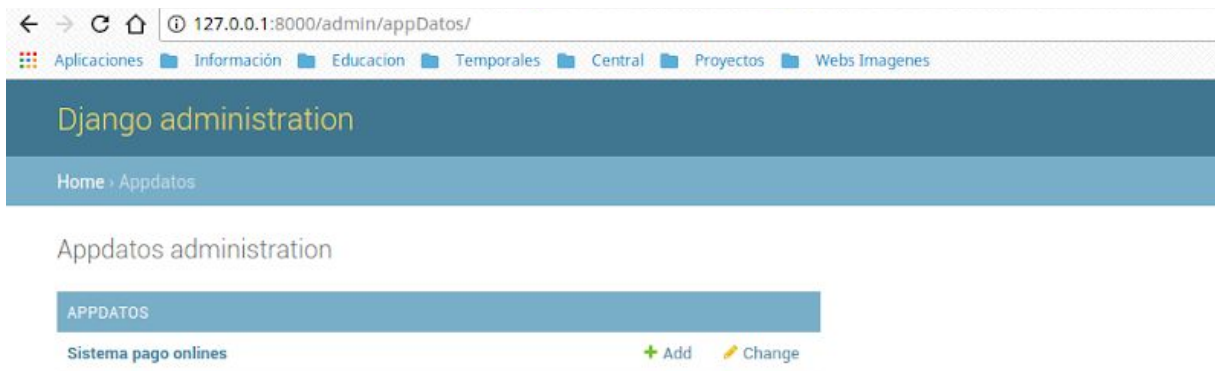
#Configurar con el mismo ambient que wsgi.py
os.environ.setdefault("DJANGO_SETTINGS_MODULE", "proyecto.settings")
app = Celery('proj')
app.config_from_object('django.conf:settings', namespace = 'CELERY')
app.autodiscover_tasks()

#tareas agendadas
app.conf.beat_schedule = {
    'app-every-5-seconds':{
        'task': 'Envio_Recibo',
        'schedule': 5.0,
        'args': ('9172642325', 'Recibido', '$10000')},
    'app-every-10-seconds':{
        'task': 'Envio_Recibo',
        'schedule': 10.0,
        'args': ('2454363637', 'No_Recibido', '$500')},
    'app-every-15-seconds':{
        'task': 'Envio_Recibo',
        'schedule': 15.0,
        'args': ('6346574745', 'Recibido', '$7800')},
}

@app.task(bind=True)
def debug_task(self):
    print('Request: {0!r}'.format(self.request))
#Tarea que es @app Unidad 3
```

Celery.py

En este paso ingresamos al panel de administrador y observamos que se creó el modelo de manera correcta. Ingresamos a la parte de sistema pago online a ver si se registraron de manera correcta los valores en el modelo, y veremos que así es los datos se generaron de manera correcta.



Django-admin

Primeramente, vamos a iniciar desde otra computadora que será nuestro nodo de redis, en esta parte levantamos nuestro servidor de redis. Para poder lograr la conexión con el otro computador.

```
Archivo Editar Ver Buscar Terminal Pestañas Ayuda
edgar@edgar-XPS ~/Documents/projectofinalv2/src
^C12447:signal-handler (1528160322) Received SIGINT scheduling shutdown...
12447:M 04 Jun 17:58:42.202 # User requested shutdown...
12447:M 04 Jun 17:58:42.202 * Saving the final RDB snapshot before exiting.
12447:M 04 Jun 17:58:42.217 * DB saved on disk
12447:M 04 Jun 17:58:42.217 # Redis is now ready to exit, bye bye...
(edgar@edgar-XPS ~/Documents/projectofinalv2/src) $ redis-server
12481:C 04 Jun 17:59:25.928 # o000o000o000 Redis is starting o000o000o000
12481:C 04 Jun 17:59:25.928 # Redis version=4.0.9, bits=64, commit=00000000, modified=0, pid=12481, just started
12481:C 04 Jun 17:59:25.928 # Warning: no config file specified, using the default config. In order to specify a config file use redis-server /path/to/redis.conf
12481:M 04 Jun 17:59:25.921 * Increased maximum number of open files to 10932 (it was originally set to 1024).

Redis 4.0.9 (00000000/0) 64 bit
Running in standalone mode
Port: 6379
PID: 12481

http://redis.io

12481:M 04 Jun 17:59:25.922 # WARNING: The TCP backlog setting of 511 cannot be enforced because /proc/sys/net/core/somaxconn is set to the lower value of 128.
12481:M 04 Jun 17:59:25.922 # Server initialized
12481:M 04 Jun 17:59:25.922 # WARNING overcommit memory is set to 0! Background save may fail under low memory condition. To fix this issue add 'vm.overcommit_memory = 1' to /etc/sysctl.conf
and then reboot or run the command 'sysctl vm.overcommit_memory=1' for this to take effect.
12481:M 04 Jun 17:59:25.922 # WARNING you have Transparent Huge Pages (THP) support enabled in your kernel. This will create latency and memory usage issues with Redis. To fix this issue run
the command 'echo never > /sys/kernel/mm/transparent_hugepage/enabled' as root, and add it to your /etc/rc.local in order to retain the setting after a reboot. Redis must be restarted after
THP is disabled.
12481:M 04 Jun 17:59:25.922 * Ready to accept connections
12481:M 04 Jun 18:04:26.084 * 160 changes in 300 seconds. Saving...
12481:M 04 Jun 18:04:26.085 * Background saving started by pid 12670
12670:C 04 Jun 18:04:26.095 * DB saved on disk
12670:C 04 Jun 18:04:26.095 * RDB: 0 MB of memory used by copy-on-write
12481:M 04 Jun 18:04:26.186 * Background saving terminated with success
^C12481:signal-handler (1528160689) Received SIGINT scheduling shutdown...
12481:M 04 Jun 18:04:49.873 # User requested shutdown...
12481:M 04 Jun 18:04:49.873 * Saving the final RDB snapshot before exiting.
12481:M 04 Jun 18:04:49.911 * DB saved on disk
12481:M 04 Jun 18:04:49.911 # Redis is now ready to exit, bye bye...
(edgar@edgar-XPS ~/Documents/projectofinalv2/src) $ redis-cli -h 172.16.19.224 -p 6379
172.16.19.224:6379>
(edgar@edgar-XPS ~/Documents/projectofinalv2/src) $ ^C
(edgar@edgar-XPS ~/Documents/projectofinalv2/src) $ redis-server
```

redis-server

Posteriormente vamos a iniciar nuestro server con el cual podremos revisar el correcto funcionamiento de nuestro programa debido y posteriormente en nuestro entorno de conexión entre otro computador.

```
[05/Jun/2018 00:44:33] "GET /admin/ HTTP/1.1" 200 9559
^C(projectofinalv2) edgar@edgar-XPS ~/Documents/projectofinalv2/src $ python manage.py runserver
Performing system checks...

System check identified no issues (0 silenced).
June 05, 2018 - 00:46:54
Django version 1.11.8, using settings 'proyecto.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.
[05/Jun/2018 00:48:39] "GET /admin/ HTTP/1.1" 200 9559
[05/Jun/2018 00:48:41] "GET /admin/appDatos/sistemapagoonline/ HTTP/1.1" 200 3137
[05/Jun/2018 00:48:41] "GET /admin/js118n/ HTTP/1.1" 200 3189
[05/Jun/2018 00:53:40] "GET /admin/ HTTP/1.1" 200 9559
[05/Jun/2018 00:53:41] "GET /admin/appDatos/sistemapagoonline/ HTTP/1.1" 200 3137
[05/Jun/2018 00:53:41] "GET /admin/js118n/ HTTP/1.1" 200 3189
[05/Jun/2018 00:53:44] "GET /admin/ HTTP/1.1" 200 9559
[05/Jun/2018 00:53:49] "GET /admin/django_celery_beat/crontabschedule/ HTTP/1.1" 200 3109
[05/Jun/2018 00:53:49] "GET /admin/js118n/ HTTP/1.1" 200 3189
[05/Jun/2018 00:53:52] "GET /admin/ HTTP/1.1" 200 9559
[05/Jun/2018 00:53:53] "GET /admin/appDatos/sistemapagoonline/ HTTP/1.1" 200 3137
[05/Jun/2018 00:53:53] "GET /admin/js118n/ HTTP/1.1" 200 3189
[05/Jun/2018 00:53:56] "GET /admin/ HTTP/1.1" 200 9559
[05/Jun/2018 00:53:57] "GET /admin/auth/group/ HTTP/1.1" 200 3381
[05/Jun/2018 00:53:57] "GET /admin/js118n/ HTTP/1.1" 200 3189
[05/Jun/2018 00:53:57] "GET /static/admin/img/search.svg HTTP/1.1" 200 458
[05/Jun/2018 00:53:59] "GET /admin/ HTTP/1.1" 200 9559
[05/Jun/2018 00:54:00] "GET /admin/auth/user/ HTTP/1.1" 200 6453
[05/Jun/2018 00:54:00] "GET /admin/js118n/ HTTP/1.1" 200 3189
[05/Jun/2018 00:54:00] "GET /static/admin/img/sorting-icons.svg HTTP/1.1" 200 1097
[05/Jun/2018 00:54:03] "GET /admin/ HTTP/1.1" 200 9559
[05/Jun/2018 00:54:07] "GET /admin/django_celery_results/taskresult/ HTTP/1.1" 200 3135
[05/Jun/2018 00:54:07] "GET /admin/js118n/ HTTP/1.1" 200 3189
[05/Jun/2018 00:54:08] "GET /admin/ HTTP/1.1" 200 9559
[05/Jun/2018 00:54:09] "GET /admin/appDatos/sistemapagoonline/ HTTP/1.1" 200 3137
[05/Jun/2018 00:54:09] "GET /admin/js118n/ HTTP/1.1" 200 3189
[05/Jun/2018 00:55:08] "GET /admin/ HTTP/1.1" 200 9559
[05/Jun/2018 00:55:10] "GET /admin/appDatos/sistemapagoonline/ HTTP/1.1" 200 3137
[05/Jun/2018 00:55:10] "GET /admin/js118n/ HTTP/1.1" 200 3189
[05/Jun/2018 00:55:11] "GET /admin/ HTTP/1.1" 200 9559
[05/Jun/2018 00:55:12] "GET /admin/ HTTP/1.1" 200 9559
[05/Jun/2018 00:55:14] "GET /admin/ HTTP/1.1" 200 9559
[05/Jun/2018 01:02:21] "GET /admin/appDatos/sistemapagoonline/ HTTP/1.1" 200 3137
[05/Jun/2018 01:02:22] "GET /admin/js118n/ HTTP/1.1" 200 3189
```

python manage.py runserver

Reiniciamos nuestro celery beat, lo volvemos a levantar y comenzará mandar las tareas, eso quiere decir que ya establece la conexión con redis, y de esta forma sabemos que los datos se envían de una manera adecuada al otro computador.

```
^C(projecctofinalv2) edgar@edgar-XPS ~/Documents/proyecctofinalv2/src $ celery -A proyecto beat -l info
celery beat v4.1.1 (latentcall) is starting.

LocalTime -> 2018-06-04 23:27:28
Configuration ->
. broker -> redis://localhost:6379//
. loader -> celery.loaders.app.AppLoader
. scheduler -> celery.beat.PersistentScheduler
. db -> celerybeat-schedule
. logfile -> [stderr]@INFO
. maxinterval -> 5.00 minutes (300s)
[2018-06-04 23:27:28.666: INFO/MainProcess] beat: Starting...
[2018-06-04 23:27:28.681: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:27:33.673: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:27:38.673: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:27:38.674: INFO/MainProcess] Scheduler: Sending due task app-every-10-seconds (Envio_Recibo)
[2018-06-04 23:27:38.675: INFO/MainProcess] Scheduler: Sending due task app-every-15-seconds (Envio_Recibo)
[2018-06-04 23:27:43.673: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:27:48.673: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:27:48.674: INFO/MainProcess] Scheduler: Sending due task app-every-10-seconds (Envio_Recibo)
[2018-06-04 23:27:53.675: INFO/MainProcess] Scheduler: Sending due task app-every-15-seconds (Envio_Recibo)
[2018-06-04 23:27:53.676: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:27:58.677: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:27:58.678: INFO/MainProcess] Scheduler: Sending due task app-every-10-seconds (Envio_Recibo)
[2018-06-04 23:28:03.677: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:28:08.678: INFO/MainProcess] Scheduler: Sending due task app-every-10-seconds (Envio_Recibo)
[2018-06-04 23:28:08.683: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:28:08.685: INFO/MainProcess] Scheduler: Sending due task app-every-15-seconds (Envio_Recibo)
[2018-06-04 23:28:13.682: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:28:18.682: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:28:18.686: INFO/MainProcess] Scheduler: Sending due task app-every-10-seconds (Envio_Recibo)
[2018-06-04 23:28:23.682: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:28:23.689: INFO/MainProcess] Scheduler: Sending due task app-every-15-seconds (Envio_Recibo)
[2018-06-04 23:28:28.686: INFO/MainProcess] Scheduler: Sending due task app-every-10-seconds (Envio_Recibo)
[2018-06-04 23:28:28.690: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:28:33.690: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:28:38.689: INFO/MainProcess] Scheduler: Sending due task app-every-15-seconds (Envio_Recibo)
[2018-06-04 23:28:38.692: INFO/MainProcess] Scheduler: Sending due task app-every-10-seconds (Envio_Recibo)
[2018-06-04 23:28:38.696: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:28:43.696: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:28:48.692: INFO/MainProcess] Scheduler: Sending due task app-every-10-seconds (Envio_Recibo)
[2018-06-04 23:28:48.696: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:28:53.696: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:28:53.700: INFO/MainProcess] Scheduler: Sending due task app-every-15-seconds (Envio_Recibo)
[2018-06-04 23:28:58.692: INFO/MainProcess] Scheduler: Sending due task app-every-10-seconds (Envio_Recibo)
[2018-06-04 23:28:58.697: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:29:03.697: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:29:08.700: INFO/MainProcess] Scheduler: Sending due task app-every-15-seconds (Envio_Recibo)
[2018-06-04 23:29:08.703: INFO/MainProcess] Scheduler: Sending due task app-every-10-seconds (Envio_Recibo)
[2018-06-04 23:29:08.707: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:29:13.707: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:29:18.703: INFO/MainProcess] Scheduler: Sending due task app-every-10-seconds (Envio_Recibo)
[2018-06-04 23:29:18.708: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:29:23.708: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:29:23.712: INFO/MainProcess] Scheduler: Sending due task app-every-15-seconds (Envio_Recibo)
[2018-06-04 23:29:28.703: INFO/MainProcess] Scheduler: Sending due task app-every-10-seconds (Envio_Recibo)
[2018-06-04 23:29:28.710: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:29:33.710: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:29:38.713: INFO/MainProcess] Scheduler: Sending due task app-every-15-seconds (Envio_Recibo)
[2018-06-04 23:29:38.724: INFO/MainProcess] Scheduler: Sending due task app-every-10-seconds (Envio_Recibo)
[2018-06-04 23:29:38.732: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:29:43.732: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
[2018-06-04 23:29:48.724: INFO/MainProcess] Scheduler: Sending due task app-every-10-seconds (Envio_Recibo)
[2018-06-04 23:29:48.731: INFO/MainProcess] Scheduler: Sending due task app-every-5-seconds (Envio_Recibo)
```

Beat

En el worker realizamos las mismas operaciones tumbamos y levantamos worker miraremos como se empiezan a ejecutar las tareas que se mandaron en el celery beat.

```
(projectofinalv2) edgar@edgar-XPS ~/Documents/projectofinalv2/src $ celery -A proyecto worker -l info
----- celery@edgar-XPS v4.1.1 (latentcall)
... **** ...
... * * * * * Linux-4.13.0-32-generic-x86_64-with-debian-stretch-sid 2018-06-04 23:39:19
... * * * * *
... [config]
...   > app:      proj:0x7f631645a320
...   > transport: redis://localhost:6379//
...   > results:   redis://localhost:6379/
...   > concurrency: 4 (prefork)
...   > task events: OFF (enable -E to monitor tasks in this worker)
... ****
... [queues]
...   > celery      exchange=celery(direct) key=celery

[tasks]
. Envio_Recibo
. proyecto.celery.debug_task

[2018-06-04 23:39:19,225: INFO/MainProcess] Connected to redis://localhost:6379//
[2018-06-04 23:39:19,232: INFO/MainProcess] mingle: searching for neighbors
[2018-06-04 23:39:20,249: INFO/MainProcess] mingle: all alone
[2018-06-04 23:39:20,270: WARNING/MainProcess] /home/edgar/Documents/projectofinalv2/lib/python3.6/site-packages/celery/fixups/django.py:200: UserWarning: Using settings.DEBUG leads
environments)
  warnings.warn("Using settings.DEBUG leads to a memory leak, never ")
[2018-06-04 23:39:20,271: INFO/MainProcess] celery@edgar-XPS ready.
[2018-06-04 23:39:23,725: INFO/MainProcess] Received task: Envio_Recibo[547c7104-4185-46dc-a15d-aa26dbdc6410] succeeded in 0.028685082000030165s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:39:23,758: INFO/ForkPoolWorker-1] Task Envio_Recibo[547c7104-4185-46dc-a15d-aa26dbdc6410] succeeded in 0.0626433029999589s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:39:28,706: INFO/MainProcess] Received task: Envio_Recibo[3f33c6c4-d6be-44ad-826e-f76dc5459e51] succeeded in 0.0626433029999589s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:39:28,772: INFO/ForkPoolWorker-2] Task Envio_Recibo[3f33c6c4-d6be-44ad-826e-f76dc5459e51] succeeded in 0.0626433029999589s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:39:33,705: INFO/MainProcess] Received task: Envio_Recibo[bc283c5a-c238-4071-89aa-8d7e91d990b4] succeeded in 0.06792243400013831s: ('6346574745', 'Recibido', '$7800')
[2018-06-04 23:39:33,707: INFO/MainProcess] Received task: Envio_Recibo[d1a6f734-958b-41ab-b79f-b0b2004cfc1] succeeded in 0.10904115199994449s: ('2454363637', 'No Recibido', '$500')
[2018-06-04 23:39:33,711: INFO/MainProcess] Received task: Envio_Recibo[e3a717a8-ad8c-44dd-bd55-ebf14361033d] succeeded in 0.023484868000196002s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:39:33,752: INFO/ForkPoolWorker-1] Task Envio_Recibo[bc283c5a-c238-4071-89aa-8d7e91d990b4] succeeded in 0.04577830199998041s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:39:33,782: INFO/ForkPoolWorker-3] Task Envio_Recibo[e3a717a8-ad8c-44dd-bd55-ebf14361033d] succeeded in 0.06792243400013831s: ('6346574745', 'Recibido', '$7800')
[2018-06-04 23:39:33,797: INFO/MainProcess] Received task: Envio_Recibo[d1a6f734-958b-41ab-b79f-b0b2004cfc1] succeeded in 0.10904115199994449s: ('2454363637', 'No Recibido', '$500')
[2018-06-04 23:39:38,703: INFO/MainProcess] Received task: Envio_Recibo[e35b9b83-3149-4718-a557-5e81962542fb] succeeded in 0.023484868000196002s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:39:38,727: INFO/ForkPoolWorker-1] Task Envio_Recibo[e35b9b83-3149-4718-a557-5e81962542fb] succeeded in 0.023484868000196002s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:39:43,708: INFO/MainProcess] Received task: Envio_Recibo[fb55aca8-c4b1-4a4f-a5ed-1a4ced3f66b9] succeeded in 0.045455119999815s: ('2454363637', 'No Recibido', '$500')
[2018-06-04 23:39:43,707: INFO/MainProcess] Received task: Envio_Recibo[56d86397-e415-47ab-bc60-d05d0437cd40] succeeded in 0.075438668999982277s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:39:43,752: INFO/ForkPoolWorker-2] Task Envio_Recibo[fb55aca8-c4b1-4a4f-a5ed-1a4ced3f66b9] succeeded in 0.045455119999815s: ('2454363637', 'No Recibido', '$500')
[2018-06-04 23:39:43,784: INFO/ForkPoolWorker-1] Task Envio_Recibo[56d86397-e415-47ab-bc60-d05d0437cd40] succeeded in 0.075438668999982277s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:39:48,708: INFO/MainProcess] Received task: Envio_Recibo[d3aa2802-cefd-47e1-8fa0-85ce02809796] succeeded in 0.04969262899999194s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:39:48,709: INFO/MainProcess] Received task: Envio_Recibo[d914c39-922d-4d12-9155-f0edcbe90162] succeeded in 0.07154858500007322s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:39:48,736: INFO/ForkPoolWorker-2] Task Envio_Recibo[d3aa2802-cefd-47e1-8fa0-85ce02809796] succeeded in 0.027099203000034322s: ('6346574745', 'Recibido', '$7800')
[2018-06-04 23:39:48,781: INFO/ForkPoolWorker-4] Task Envio_Recibo[d914c39-922d-4d12-9155-f0edcbe90162] succeeded in 0.07154858500007322s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:39:53,711: INFO/MainProcess] Received task: Envio_Recibo[708fdea0-17df-4619-960c-dfd5a3d0f2e1] succeeded in 0.04969262899999194s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:39:53,714: INFO/MainProcess] Received task: Envio_Recibo[a7a01c4a-4c2b-44bd-9300-2b7dab1b084f] succeeded in 0.0825128510000468s: ('2454363637', 'No Recibido', '$500')
[2018-06-04 23:39:53,793: INFO/ForkPoolWorker-3] Task Envio_Recibo[708fdea0-17df-4619-960c-dfd5a3d0f2e1] succeeded in 0.04969262899999194s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:39:53,798: INFO/ForkPoolWorker-4] Task Envio_Recibo[a7a01c4a-4c2b-44bd-9300-2b7dab1b084f] succeeded in 0.0825128510000468s: ('2454363637', 'No Recibido', '$500')
[2018-06-04 23:39:58,711: INFO/MainProcess] Received task: Envio_Recibo[3375603a-fdbc-4ecf-8441-503314952743] succeeded in 0.04715921299998266s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:39:58,760: INFO/ForkPoolWorker-3] Task Envio_Recibo[3375603a-fdbc-4ecf-8441-503314952743] succeeded in 0.04715921299998266s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:40:03,710: INFO/MainProcess] Received task: Envio_Recibo[fc811223-9194-4ec1-9ea2-cab07fcd1e14] succeeded in 0.02800083700006253s: ('2454363637', 'No Recibido', '$500')
[2018-06-04 23:40:03,719: INFO/MainProcess] Received task: Envio_Recibo[10d70e9a-fc8b-4069-be5d-bc67aae15587] succeeded in 0.05767315499997494s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:40:03,721: INFO/MainProcess] Received task: Envio_Recibo[b9b58f08-8986-4726-8507-1ab78975fa8d] succeeded in 0.08532827500016538s: ('6346574745', 'Recibido', '$7800')
[2018-06-04 23:40:03,746: INFO/ForkPoolWorker-4] Task Envio_Recibo[fc811223-9194-4ec1-9ea2-cab07fcd1e14] succeeded in 0.02800083700006253s: ('2454363637', 'No Recibido', '$500')
[2018-06-04 23:40:03,761: INFO/ForkPoolWorker-2] Task Envio_Recibo[b9b58f08-8986-4726-8507-1ab78975fa8d] succeeded in 0.05767315499997494s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:40:03,807: INFO/ForkPoolWorker-3] Task Envio_Recibo[10d70e9a-fc8b-4069-be5d-bc67aae15587] succeeded in 0.08532827500016538s: ('6346574745', 'Recibido', '$7800')
[2018-06-04 23:40:08,725: INFO/MainProcess] Received task: Envio_Recibo[efb9fc8c-9f64-4b12-99ea-745ce78f29c8] succeeded in 0.045350348999981838s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:40:08,773: INFO/ForkPoolWorker-3] Task Envio_Recibo[efb9fc8c-9f64-4b12-99ea-745ce78f29c8] succeeded in 0.045350348999981838s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:40:13,717: INFO/MainProcess] Received task: Envio_Recibo[721d7a5d-33dc-4ec0-9f2b-1dca351b579] succeeded in 0.045350348999981838s: ('9172642325', 'Recibido', '$10000')
[2018-06-04 23:40:13,737: INFO/MainProcess] Received task: Envio_Recibo[960bc39d-e431-4f8e-a6bb-c209509b061b] succeeded in 0.045350348999981838s: ('9172642325', 'Recibido', '$10000')
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Worker

5. Conclusión

El proyecto se puede implementar en una gran cantidad de actividades como unas de ellas es la de hacer pruebas para poder comprobar el correcto funcionamiento de los sistemas de pago de las páginas web. Debido a que el sistema puede generar datos de manera aleatoria y esto se podría utilizar en beneficio del usuario