```python
from django.http import HttpResponse from fleximembers.models import FlexiCashMember from loanapplication.models import MemberLoanApplication,LoanProduct from transactions.models import Transaction from decimal import Decimal # from lipanampesa.utils import initiate_stk_push # Import the function to trigger STK Push from django.utils import timezone import logging from django.http import JsonResponse from intasend import APIService import logging from django.conf import settings # Initialize IntaSend APIService with sandbox/test mode enabled service = APIService(token=settings.INSTASEND_SECRET_KEY, publishable_key=settings.INSTASEND_PUBLISHABLE_KEY, test=True) def repay_loan_handler(request, session_id, phone_number, text): parts = text.split('*') member = FlexiCashMember.objects.filter(phone=phone_number).first() if member: # Format phone number # First, ask for repayment option if len(parts) == 1: response = "CON Please select repayment option:\n1. Full Payment\n2. Partial Payment" # If "Full payment" is selected, ask for PIN elif len(parts) == 2 and parts[1] == "1": response = "CON Enter your PIN to confirm full repayment." # If "Partial payment" is selected, ask for amount elif len(parts) == 2 and parts[1] == "2": response = "CON Enter amount for partial repayment:" # If PIN is entered for full repayment elif len(parts) == 3 and parts[1] == "1": amount = Decimal(parts[1]) pin = parts[2] if pin == member.pin: loan = MemberLoanApplication.objects.filter(member=member, payment_complete=False).first() if loan: if member.member_balance == Decimal('0.00'): response = f"END Amount exceeds your loan balance of : {loan.outstanding_balance}." else: response = f"END STK Push has been initiated successfully." stk_response = service.collect.mpesa_stk_push( phone_number='254799043853', # phone_number=member.phone.lstrip('+'), email=member.email, amount=float(loan.outstanding_balance), narrative=loan.application_ref ) print(stk_response) invoice_id = stk_response['invoice']['invoice_id'] if invoice_id: print("This is the invoice Id : ",invoice_id) # Create transaction record Transaction.objects.create( member=member, loan=loan, amount=amount, transaction_type="Repayment", repayment_type = "Full" ) # response = "END Your loan has been fully repaid. Thank you! STK Push initiated, awaiting confirmation." else: response = "END Payment initiation failed. Please try again." else: response = "END No active loan found for repayment." # If amount is entered for partial repayment elif len(parts) == 3 and parts[1] == "2": amount = Decimal(parts[2]) response = f"CON Enter your PIN to confirm partial repayment of {amount}." # If PIN and amount are entered for partial repayment elif len(parts) == 4 and parts[1] == "2": amount = Decimal(parts[2]) pin = parts[3] if pin == member.pin: loan = MemberLoanApplication.objects.filter(member=member, payment_complete=False).first() if loan: # Ensure repayment doesn't exceed loan balance if amount > loan.outstanding_balance: response = f"END Amount exceeds the loan balance. Remaining balance: {loan.outstanding_balance}." else: # Initiate STK Push for partial repayment response = f"END STK Push has been initiated successfully." stk_response = service.collect.mpesa_stk_push( phone_number='254799043853', amount=float(amount), narrative=loan.application_ref # phone_number=member.phone.lstrip('+'), # email=member.email, # narrative=loan.application_ref ) invoice_id = stk_response['invoice']['invoice_id'] amount_paid = stk_response['invoice']['net_amount'] state = stk_response['invoice']['state'] account = stk_response['invoice']['account'] if invoice_id: print("This is the invoice Id : ",invoice_id) # Create transaction record Transaction.objects.create( member=member, loan=loan, amount=float(amount_paid), transaction_type="Repayment", repayment_type = "Partial", narrative = invoice_id, status = state, ) # response = f"END Partial repayment of {amount} has been received. Remaining balance is {loan.outstanding_balance}." else: response = "END Payment initiation failed. Please try again." else: response = "END No active loan found for repayment." else: response = "END Incorrect PIN. Please try again." # If no valid option is selected else: response = "END Invalid option. Please try again." else: response = "END Member not found. Please register first." return HttpResponse(response, content_type="text/plain")
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