

## Fraud Detection Assistant

### **Code:**

```
import os

import subprocess

def setup_project():

    # Create Django project
    subprocess.run(['django-admin', 'startproject', 'fraud_detection'])

    # Move into project directory
    os.chdir('fraud_detection')

    # Create main app
    subprocess.run(['python', 'manage.py', 'startapp', 'core'])

    # Create static and templates directories
    os.makedirs('static/css', exist_ok=True)
    os.makedirs('static/js', exist_ok=True)
    os.makedirs('templates/core', exist_ok=True)

    print("Project setup complete!")

if __name__ == "__main__":
    setup_project()
```

```

1  import os
2  import subprocess
3  import sys
4
5  def setup_project():
6      # Install dependencies
7      print("Installing dependencies...")
8      subprocess.run([sys.executable, '-m', 'pip', 'install', '-r', 'requirements.txt'])
9
10     # Run migrations
11     print("\nRunning migrations...")
12     subprocess.run(['python', 'manage.py', 'makemigrations'])
13     subprocess.run(['python', 'manage.py', 'migrate'])
14
15     # Initialize database
16     print("\nInitializing database...")
17     subprocess.run(['python', 'init_db.py'])
18
19     print("\nSetup complete! You can now run the development server with:")
20     print("python manage.py runserver")
21     print("\nDefault superuser credentials:")
22     print("Username: admin")
23     print("Password: admin123")
24
25 if __name__ == "__main__":
26     setup_project()

```

```

#!/usr/bin/env python
"""Django's command-line utility for administrative tasks."""
import os
import sys

def main():
    """Run administrative tasks."""
    os.environ.setdefault('DJANGO_SETTINGS_MODULE', 'fraud_detection.settings')
    try:
        from django.core.management import execute_from_command_line
    except ImportError as exc:
        raise ImportError(
            "Couldn't import Django. Are you sure it's installed and "
            "available on your PYTHONPATH environment variable? Did you "
            "forget to activate a virtual environment?"
        ) from exc
    execute_from_command_line(sys.argv)

if __name__ == '__main__':
    main()

```

```

import os
import django
from django.contrib.auth.models import User

os.environ.setdefault('DJANGO_SETTINGS_MODULE', 'fraud_detection.settings')
django.setup()

def init_db():
    # Create superuser if it doesn't exist
    if not User.objects.filter(username='admin').exists():
        User.objects.create_superuser(
            username='admin',
            email='admin@example.com',
            password='admin123'
        )
        print("Superuser created successfully!")
    else:
        print("Superuser already exists.")

if __name__ == "__main__":
    init_db()

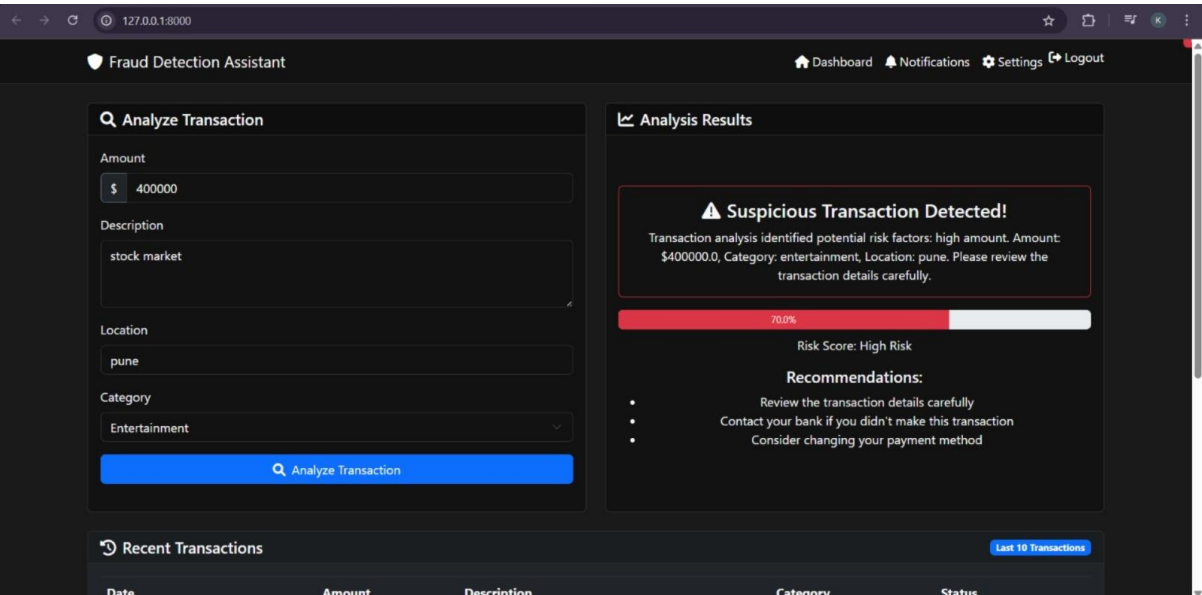
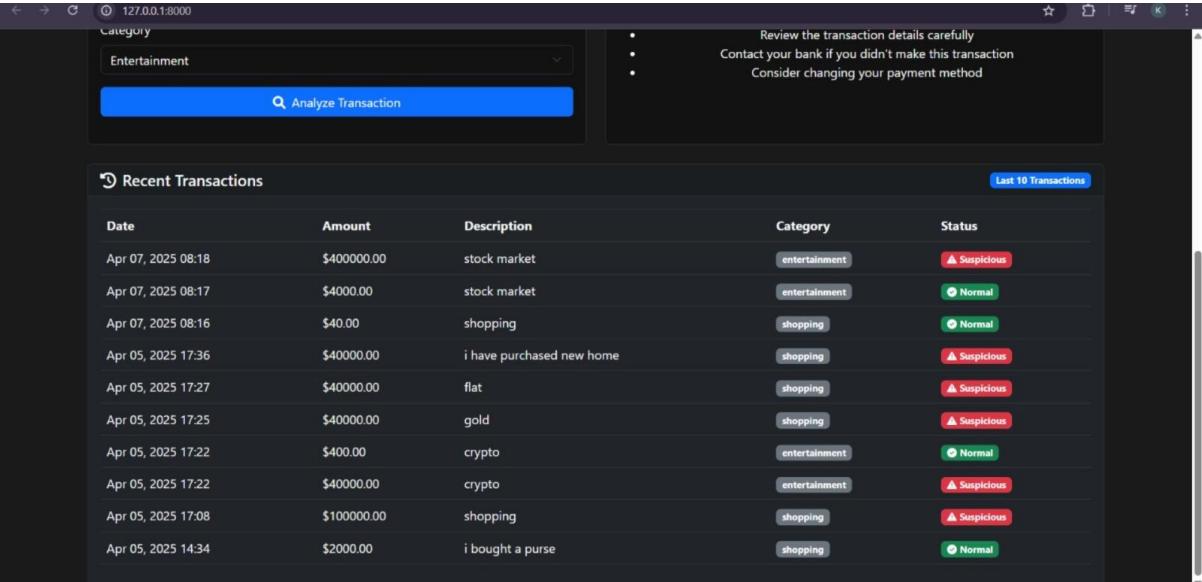
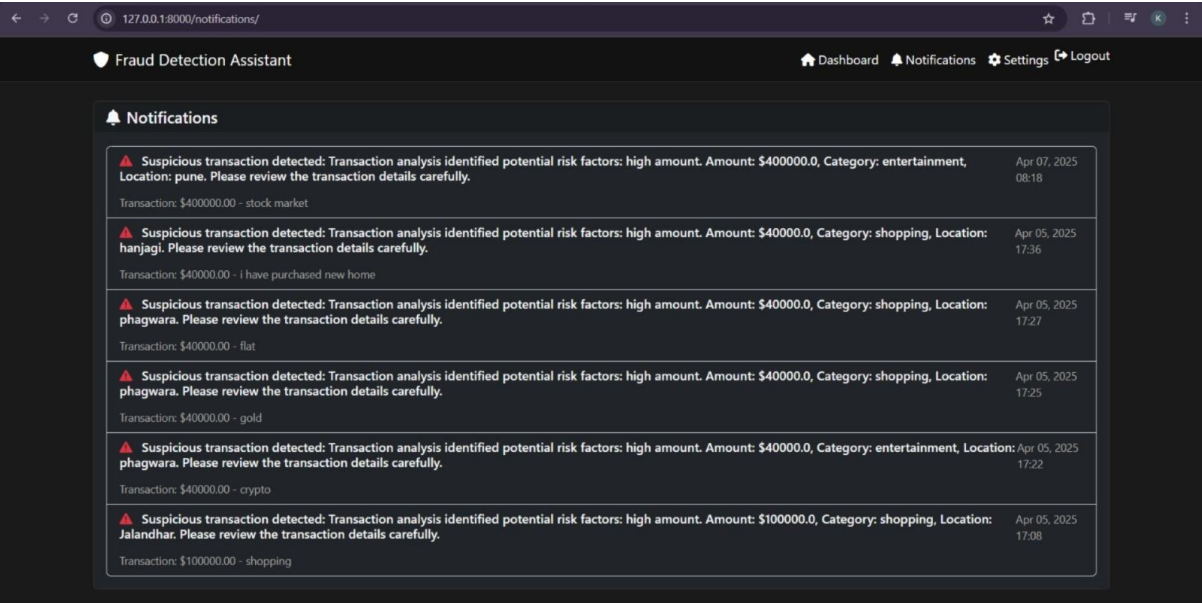
```

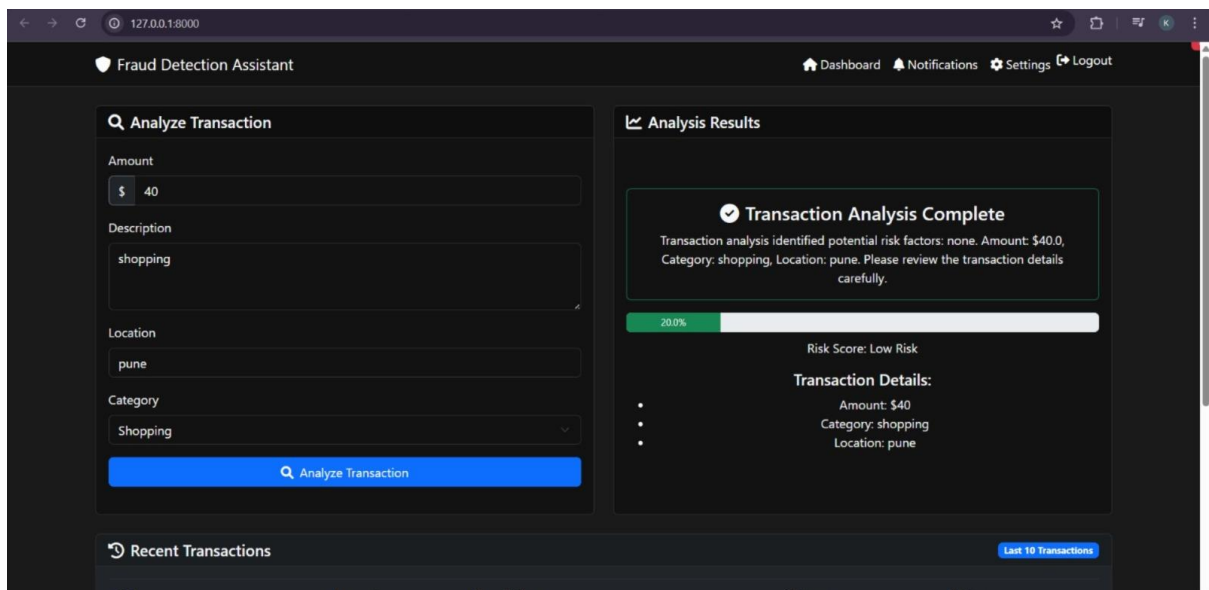
```

1  from django import template
2
3  register = template.Library()
4
5  @register.filter
6  def multiply(value, arg):
7      """Multiply the value by the argument"""
8      try:
9          return float(value) * float(arg)
10     except (ValueError, TypeError):
11         return ''

```

Output:





GitHub Link: <https://github.com/jyotsnak1603/Fraud-Detection-Assistant>