PROJECT SOURCE CODE:

```
from Rest import Rest
from MyAdxl import MyAdxl
from Buzzer import Buzzer
from Panic import Panic
import time
try:
   kitId ='1206'
   url = 'FallDetection'
   rest = Rest()
   adxl = MyAdxl()
   buzzer = Buzzer()
   panicc = Panic()
   result = rest.load(url+'/coordinates/'+kitId)
   xp = float(result['xp'])
   xn = float(result['xn'])
   yp = float(result['yp'])
   yn = float(result['yn'])
   zp = float(result['zp'])
   zn = float(result['zn'])
   data = '{"id":"'+kitId+'","status": "Safe"}'
   result = rest.put(url+'/status/'+kitId,data)
   buzzer.off()
   def myloop():
      while True:
         try:
            adxlResult = adxl.getAxis()
            if xn < adxlResult['x'] < xp and yn< adxlResult['y'] < yp and zn < adxlResult['x'] < zp:
               pass
```

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            else:
                danger()
        except Exception as e2:
            print(e2)
        time.sleep(1)
def danger():
    count = 1;
    while True:
        if panicc.panicStatus()==0:
            if count<=10:
                buzzer.on()
                time.sleep(0.5)
                buzzer.off()
                time.sleep(0.5)
            else:
                time.sleep(1)
            if count==10:
                print('danger')
                buzzer.on()
                rest.sendNotification('Fall Detected','Emergency Ewitchvation',url+'/tokens/'+kitId)
                data = '{"id":"'+kitId+'","status": "Danger"}'
                result = rest.put(url+'/status/'+kitId,data)
            count =count+1
        else:
            if count!=1:
                data = '{"id":"'+kitId+'","status": "Safe"}'
                result = rest.put(url+'/status/'+kitId,data)
                buzzer.off()
                break
```

```
  myloop()


except Exception as e:
  print(e)
```