Pre Requisites:

1. Python 3.7 (Kivy is not supported yet in Python 3.8 as of developing the code)
2. Kivy Library:

python -m pip install docutils pygments pypiwin32 kivy\_deps.sdl2==0.1.\* kivy\_deps.glew==0.1.\*

python -m pip install kivy\_deps.gstreamer==0.1.\*

python -m pip install kivy\_deps.angle==0.1.\*

python -m pip install kivy==1.11.1

1. IBM DB Library for Python:

python -m pip install ibm\_db

1. Install cryptography for encryption:

python -m pip install cryptography

1. Install pyopenssl for calling Relief Web API:

python -m pip install pyopenssl

\*\*\* If pyopenssl does not work, then follow the following steps:

Copy the following files:

libcrypto-1\_1-x64.\*

libssl-1\_1-x64.\*

from D:\Anaconda3\Library\bin to D:\Anaconda3\DLLs.

Add following to PATH variables:

<path>\Anaconda3

<path>\Anaconda3\scripts

<path>\Anaconda3\Library\bin

Restart VS Code

1. Install ibm-cos-sdk for accessing IBM Cloud Object Storage:

python -m pip install ibm-cos-sdk

1. For sending email, add email id and password in environment variables

Email: [something-app@gmail.com](mailto:something-app@gmail.com)

1. An instance of IBM Cloud DB2.
2. An instance of IBM Cloud Object Storage

DDLs:

DROP TABLE LPS30376.ACTIVITY;

CREATE TABLE LPS30376.ACTIVITY

(

ACTIVITY\_ID INTEGER NOT NULL GENERATED ALWAYS AS IDENTITY (START WITH 100 INCREMENT BY 1 MINVALUE 100),

ORG\_ID INTEGER,

NAME VARCHAR(50),

LOCATION VARCHAR(50),

DISASTER VARCHAR(50),

TARGET\_AMT INTEGER,

STATUS VARCHAR(1)

);

DROP TABLE LPS30376.CONTACT;

CREATE TABLE LPS30376.CONTACT

(

CONTACT\_ID INTEGER NOT NULL GENERATED ALWAYS AS IDENTITY (START WITH 100 INCREMENT BY 1 MINVALUE 100),

FIRST\_NAME VARCHAR(50),

LAST\_NAME VARCHAR(50),

EMAIL VARCHAR(50),

PASSCODE VARCHAR(255)

);

DROP TABLE LPS30376.CONTACT\_ORG;

CREATE TABLE LPS30376.CONTACT\_ORG

(

ORG\_ID INTEGER,

CONTACT\_ID INTEGER,

STATUS VARCHAR(1),

MEMBER\_FLAG VARCHAR(1)

);

DROP TABLE LPS30376.ORG;

CREATE TABLE LPS30376.ORG

(

ORG\_ID INTEGER NOT NULL GENERATED ALWAYS AS IDENTITY (START WITH 100 INCREMENT BY 1 MINVALUE 100),

NAME VARCHAR(50),

REGISTRATION VARCHAR(50),

DESC VARCHAR(255),

OWNER\_ID INTEGER,

STATUS VARCHAR(1)

);

DROP TABLE LPS30376.RESOURCES;

CREATE TABLE LPS30376.RESOURCES

(

CONTACT\_ID INTEGER,

ACTIVITY\_ID INTEGER,

NAME VARCHAR(50),

DESC VARCHAR(50),

UNITS INTEGER,

AMOUNT INTEGER,

"DATE" DATE

);

DROP TABLE LPS30376."TRANSACTION";

CREATE TABLE LPS30376."TRANSACTION"

(

TXN\_ID INTEGER NOT NULL GENERATED ALWAYS AS IDENTITY (START WITH 100 INCREMENT BY 1 MINVALUE 100),

ACTIVITY\_ID INTEGER,

CONTACT\_ID INTEGER,

TXN\_DATE DATE,

AMOUNT INTEGER

);