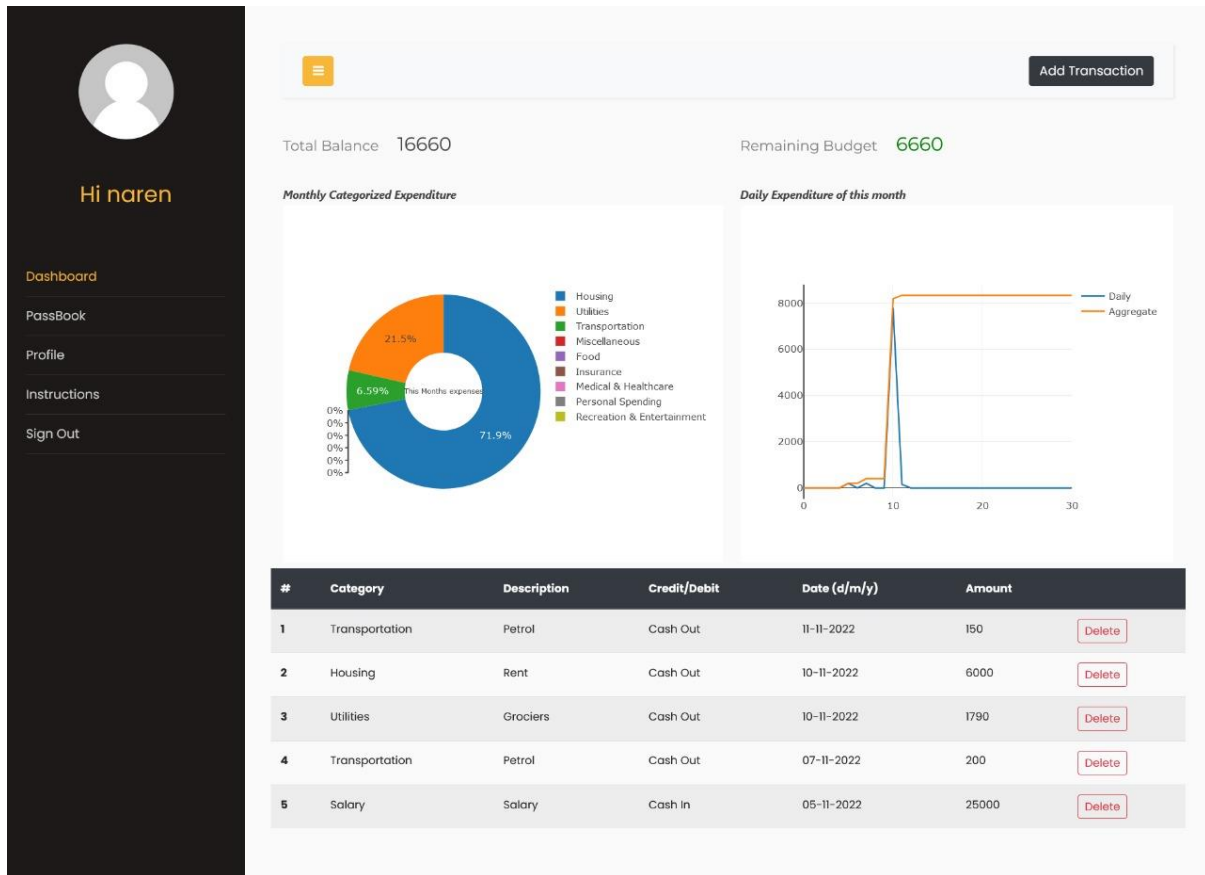


Implementing Web Application

1) Create UI to Interact with Application



2) Create IBM DB2 and Connect with Python

```
EXPLORER
  ASSIGNMENT 2
    __pycache__
    db
    static
    templates
    app.py
    DigiCertGlobalRootCA.crt

app.py
1 from xml.etree.ElementTree import tostring
2 from flask import Flask, request, render_template, flash, session, redirect, url_for
3 import ibm_db
4
5
6 def connection():
7     try:
8         conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=ea286ace-86c7-4d5b-8580-3fbfa46b1c66.bs2io90l08kqb1od8lpg.databases.appdomain.cloud;PORT=31585;PROTOCOL=TCP;UID=jvw46423;PWD=k5ePKBbQv4oIoR1;SECURITY=SSL;SSLSERVICECERTIFICATE=DigiCertGlobalRootCA.crt", "", "")
9         print("Connected to Database")
10        return conn
11    except:
12        print("Not Connected to Database")
13
14
15
16 app = Flask(__name__)
17 app.secret_key = '123'
18 conn = connection()
19 app.debug = True
20 app.config['SESSION_TYPE'] = 'filesystem'
21
22
23 @app.route('/', methods=["GET", "POST"])
24 def defaultpage():
25     if request.method == "POST":
26         try:
27             sql = "INSERT INTO USER VALUES('{}','{}','{}','{}').format(request.form["rollno"], request.form["email"], request.form["usern"], request.form["password"])"
```

IBM Db2 on Cloud

Load Data

Load History

Tables

Views

Indexes

Aliases

MQTs

Sequences

Application objects

Find schemas or tables

Refresh

SQL

Tables

New table

Name

Schema

Properties

STUDENTS

HBQ98664

...

USERS

HBQ98664

...

Total: 2, selected: 0

Table definition

STUDENTS

No statistics available.

Name	Data type	Nullable	Length	Scale	
ROLLNO	VARCHAR	Y	32	0	
NAME	CHAR	Y	15	0	
MARKS	VARCHAR	Y	32	0	

View data