AIDI2004 – AI in Enterprise systems

Assignment #3



Group 9

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Step 1: Creating Database

```
# importing libraries
from flask import Flask, request, Response, jsonify
from flask_sqlalchemy import SQLAlchemy
# creating an instance of the flask app
app = Flask( name )
# Configure the database
app.config['SQLALCHEMY_DATABASE_URI'] = 'sqlite:///database.db'
app.config['SQLALCHEMY_TRACK_MODIFICATIONS'] = False
from settings import *
import json
# Initializing our database
db = SQLAlchemy(app)
class Details (db.Model):
     tablename_ = 'details'
    id = db.Column(db.Integer, primary_key=True)
    studentid = db.Column(db.Integer, nullable=False)
    firstname = db.Column(db.String(64), nullable=False)
    lastname = db.Column(db.String(64), nullable=False)
    dob = db.Column(db.String(64), nullable=False)
    amountdue = db.Column(db.Integer, nullable=False)
from details import db
db.create_all()
```

Step 2: Creating Basic Flask app

```
**Cdheerajreddy2020@DESKTOP-GMQSTS7:/mnt/c/Users/Shravani/Downloads/Durham college/Sem-2

**thon3 app.py

* Serving Flask app "settings" (lazy loading)

* Environment: production

**WARNING: Do not use the development server in a production environment.

**Use a production WSGI server instead.

**Debug mode: on

**Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)

**Restarting with stat

**Debugger is active!

**Debugger PIN: 104-175-450
```

Step 3: For Create

Step 4: Read

```
def get_student(_id):
    return [Details.json(Details.query.filter_by(id=_id).first())]
```

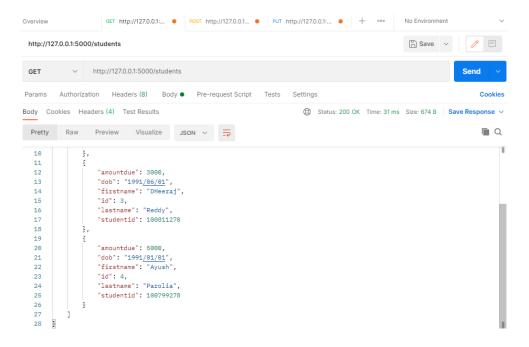
Step 5: Update

```
def update_student(_id, _studentid, _firstname, _lastname, _dob, _amountdue):
    student_to_update = Details.query.filter_by(id=_id).first()
    student_to_update.studentid = _studentid
    student_to_update.firstname = _firstname
    student_to_update.lastname = _lastname
    student_to_update.dob = _dob
    student_to_update.amountdue = _amountdue
    db.session.commit()
```

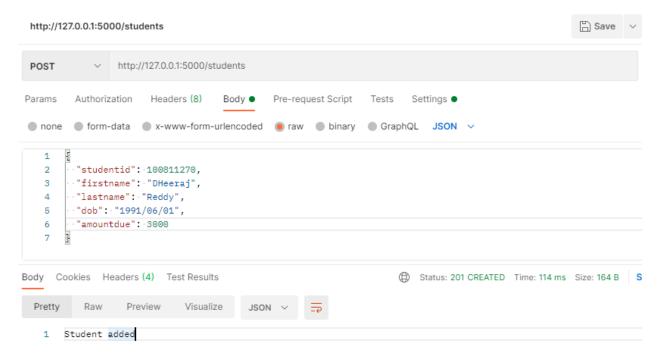
Step 6: For Delete

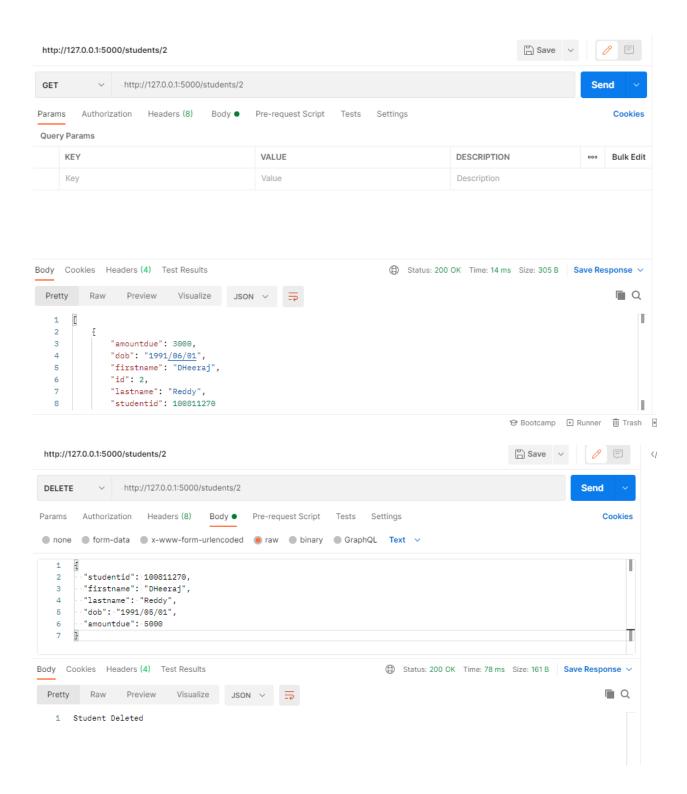
```
def delete_student(_id):
    Details.query.filter_by(id=_id).delete()
    db.session.commit()
```

Step 7: Show all records

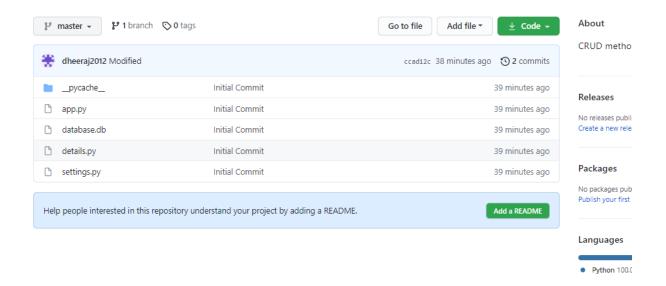


Step 8: Postman





Step 9: Github repo link: https://github.com/dheerajreddy2020/CRUD_in_Flask



Step 10 : Collaboration Plan

Task	Responsible	Time
Flask analysis	Dheeraj	2 Hrs
Flask app creation	Dheeraj, Ayush	4 Hrs
Postman testing	Ayush	3 Hrs
Document Creation	Dheeraj, Ayush	1 Hr