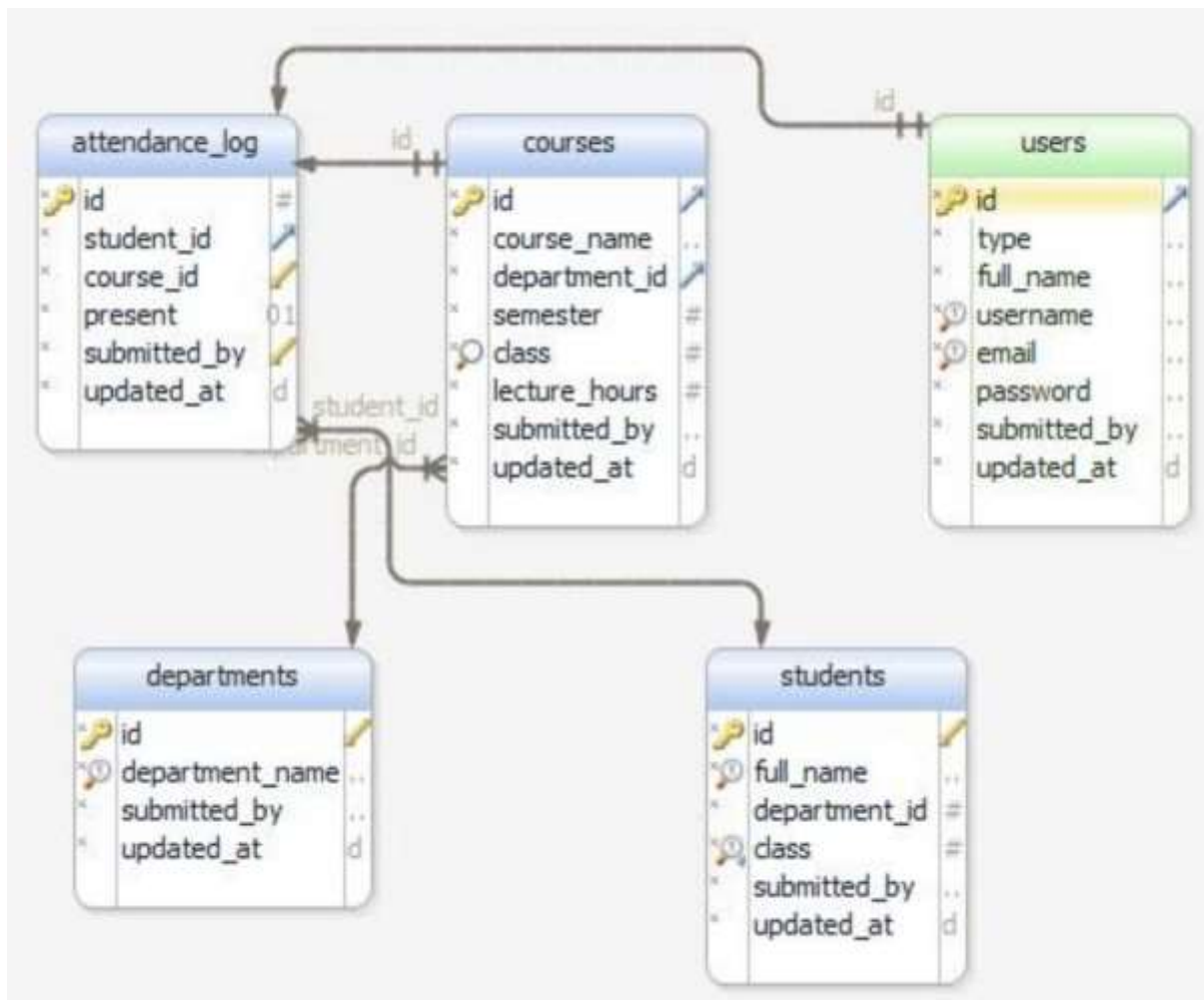


Python Assignment

Requirement

You must develop an Attendance Management System backend using any of the RESTful API frameworks such as Flask, DRF, FastAPI, AWS Chalice.

Database Schema has been provided for reference.



To simplify things, you can assume that delete operations are not required.

Create the required APIs for all the tables.

Bonus points

You will be eligible to get additional brownie points if:

1. AWS Chalice to build it: [Documentation — AWS Chalice](#)
2. Functional programming is used ([Functional Programming in Python: When and How to Use It – Real Python](#))
3. Test Driven Development (TDD) is used ([Getting Started With Testing in Python – Real Python](#))

4. Exception and Error Handling is done correctly ([Python Exceptions: An Introduction – Real Python](#))
5. In-line documentation is done ([Documenting Python Code: A Complete Guide – Real Python](#))
6. Authentication is implemented and except for Login, all other APIs are protected
7. Logging is implemented ([Logging in Python – Real Python](#))
8. Virtualenv or Poetry is used and requirements are also part of project ([Using Requirement Files – Real Python](#))
9. First user is automatically created when running the project for the first time and password is displayed in Logs

How to submit

Use Gitlab or Github to submit the code and invite eshwar.natarajan@nuagebiz.tech to the repository