**Assignment**

**Problem Statement:**

The objective of this python project is to create a To-Do List with Graphql API calls.

**Description:**

A simple To-do Flask webapp that uses keycloak for Authentication to let the user log in and add a to-do with title, description and time. All the API calls must be handled by Graphql only. There will be a option to buy a Pro license that will enable user to upload images in To-Do as well.

**Minimum Requirements:**

1. Each of the To-Do will have 3 field:
   1. Title
   2. Description
   3. Time
   4. Images (Pro license)
2. There will Following operation that a user can do:
   1. List all To-Do.
   2. Add a To-Do.
   3. Delete a To-Do.
   4. Edit a To-Do.
3. User must have to login with keycloak first to do any of the above operation.
4. Every Graphql endpoint must be secured by keycloak.
5. Option to buy a Pro license with Stripe payment.
6. Stripe payment will done in testing mode only. Please read <https://stripe.com/docs/testing>
7. Person with pro license only can upload images in To-Do

**Must have:**

1. A very basic UI to perform the above-mentioned operations.
2. Error-free, **Readable, Simple & Clean code**
3. Let me stress the previous point - **Readable, Simple & Clean code**
4. Minimum third-party dependencies

**Bonus Points:**

1. UI is clean and beautiful.
2. React used in frontend.

**Few links for reference:**

1. Keycloak - <https://www.keycloak.org/> & <https://www.keycloak.org/getting-started/getting-started-docker>
2. Query - <https://graphql.org>

**Note:**

1. **PLEASE NOTE THAT, WE HAVE A ZERO TOLERANCE POLICY FOR PLAGIARISM. IF YOU PLAGIARIZE THE TEST, YOU WILL BE CAUGHT AND IMMEDIATELY TERMINATED.**
2. **Please do not submit the code if code is not up to a standard.**
3. **Please do not send LinkedIn Request to Connect!**
4. **PLEASE MAKE SURE YOU SUBMIT EVERYTHING VIA A GITHUB LINK AND PLS UPLOAD ALL ASSETS AND FILES INCLUDING KEYCLOAK DOCKER ETC.**