**Assignment:**

You have to create a REST APIs for an incident management system.

Development Environment: Ubuntu (Preferred), Development Language Python 3.6 and above, Database MySQL (Preferred)/ PostgreSQL & React.JS/Vue.Js / or any language for front end.

The Front for the incident management system can be in any language you are comfortable in and need to create the following

1. Front-End development- you need to create the following
   1. Registration Page for user (See file registration.png)
   2. Login Page- (Login.png)
   3. Forgot Password (forgot password.png)
   4. Create/view/edit- Incident- Use your own UI based on inputs given below in backend section.
2. Back-End Development – would need to be done using Python/Django Rest Framework and should allow a user to log in and create incidents. You need to use MySQL (preferred)

The Key functionalities to be demonstrated for the entire solution:

1. System should allow you to create multiple users.
2. Each user can create multiple incidents.
3. The format for the Incident ID should be with the following format- RMG + Random 5 digit number+ Current year (2022) e.g. RMG345712022
4. You need to ensure that each incident number should be unique. So implement methods to check the uniqueness of the Incident.
5. The incidents should have the following details-
   1. Reporter name (Name of user who logs in and creates the incident)
   2. Incident details(textfield) Should be editable
   3. Reported date and time
   4. Priority(Dropdown with values High, Medium, Low) Should be editable
   5. Incident status(Open, In progress, Closed) Should be editable
6. A User should be allowed to view and edit the incidents created by them only.
7. No user should be able to view other user's incidents.
8. Any Incident which has the states = closed, should not be editable.
9. There should be a provision to search the incident using the Incident ID.