CS480 – Course project

 Summer 2020

 Database: Employee Hiring Portal

**Description:**

The idea is to make a portal/website which can you be used to hire employees/workers for the all the daily household/industrial needs. Daily needs include working at you home like gardening, plumbing, small-scale electricity works/repairs, wood work, et al. Industrial needs would include works at industrial scale or factory needs like ;arge scale ectricity works, IT-support team, workers capable of working with different sorts of machines, etc. The point of the portal/website is to provide daily needs only for a small period of time (for eg. a few days or maybe a few weeks) and NOT FOREVER. All the workers/employees are owned by the portal/website and are not freelancers. After completing their job for which they are hired for, the workers/employees return back, ready to work for a new job.

The design will consist of 3 entities in total portal manager that take cares of all the account related queries and troubleshoot the issues clients and workers are having then we have Client entity which consist of salary range, workload and type of work. Same thing goes for workers table will consist of all the things that a person look before giving someone a job. Basically we will be filtering results according to the needs of our Clients. And if any client wants to contact with any worker we will send them their information via email that way we won’t be disclosing anyone’s personal information.

Project Part 2 – CRUD (Create, read, update, and delete)

Deadline: July 18, 2020

**List of entities:**

1.    Clients

2.    Portal\_manager

3.    Workers

Based on the Demo (Part 1), implement the following functionality using Java and SQL with necessary GUI interfaces.

1.        Insert/delete/update/read a **Clients**(all attributes except the Client id). The ClientID should be generated by the system automatically using MySQL autoincrement.

2.        Insert/delete/update/read a **Workers** (all attributes except the WorkerID). The WorkerID should be generated by the system automatically using MySQL autoincrement.

3.        Insert/delete/update/read a **Portal\_Manager** (all attributes)

Project Part 3 – Queries

Deadline: August 1, 2020

Based on the Demo, implement the following functionality using Java and SQL with necessary GUI interfaces.

**Trivial Queries:**

1. Filter out the result based on the clients requirement.

2. Sending out emails to clients with worker information.

**Non-trivial Queries:**

1.           List all the Clients with all the information except their contact-info.

2.         Listing all the clients and their skills once the filtering is done.

3. Keep generating new ClientID and workerID to make it unique.