CS3095D DBMS Lab
Exercise 08
Marks :5 marks

Problem definition

Develop a web application implementing Java Database Connectivity (JDBC) in order to keep track of student and recruiter details for the Placement and Training cell at our College.

The *students' details* like Name,Register No, email ,Phone no, Current CGPA, Placement Status etc are stored in the database.The different companies approaching the institute can also be recorded in the database.

Registration and Login

Students are required to register through the application for Placement drives.The different fields in the form are to be validated for successful registration. Eg : Register No should be of length 9 , Phone no with length 10, CGPA in the range of 0-10 etc. Else error message should be displayed. The placement status should be NOT PLACED by default.

Login page should be available for both students and the placement Officer. Once a student logs in, he/she can view his/her details and modify(not the placement status) when required. Placement Officer should be able to view the student details including their placement status.

Placement Status

After the successful registration, the upcoming recruiters details should be shown in the students page and he/she should be able to apply for a company from this page. By default, the placement status of a student will be set as NOT PLACED. The details of applied students for different companies can be stored in a different table for ease of use.The placement Officer can view and update the placement status to PLACED for the students. Once the student is placed, it should be notified to the student page as well.

The Placement officer can add company details using an *add recruiter* option, where a form can be maintained which asks for the name of the recruiter, Role , CTC offered etc. Once it is added, its details will be displayed in the students page. Once the recruiter completes the placement process,it should be removed from the database. This is also done by the placement officer.

The database should be normalized.The ER model of the web application and the workflow of the different pages in the application are to be well documented.