



Internship Portal

- Database Project Proposal

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Overview

The Internship Portal is used heavily during the Internships Season at IITB, however we need a lot of improvements in it. Improvements are needed in both the graphical interface and the kinds of queries possible. Thus we have chosen to design and implement the database for this portal.

Goals

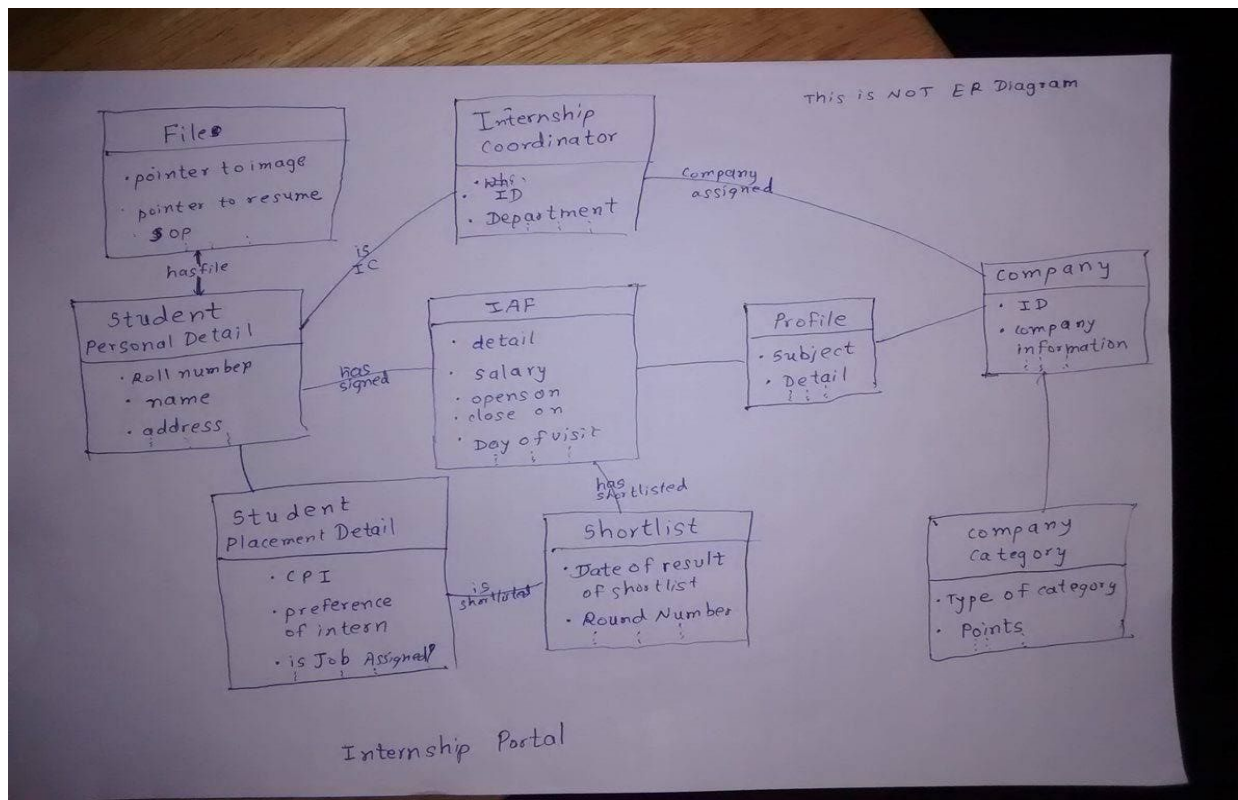
1. We are planning to design Internship Portal for IITB, so that the current portal is improvised. We plan to insert features so as to get all different kinds of queries possible.
2. Also, we should be able to generate statistics for different batches, companies, etc.

Specifications


Chief Entities in Database:-

1) Student:

- Personal Information (Name, Roll Number, CPI, Percentages for 10th, 12th, minor, honors, degree, etc)
- Placement Information (Registered, payment made, IAF's signed, selected/shortlisted/results pending for each)
- Pointer to Resume uploaded in 3 categories, SOP, Profile photo



The above image describes the different entities and the relationship between them. This is the conceptual image and not an ER diagram.

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- 2) Company
 - a) Basic company details(Company ID, name, Category, Chief job profile, Slot)
 - 3) Company Category
 - a) Category name
 - b) Points
 - 4) IAF
 - a) Job-description, Posting Place, CPI cutoff, Salary, Accommodation provided, etc
 - b) Opening and closing dates, Date to visit campus
 - 5) Shortlisted Students
 - a) Date of shortlist
 - b) Round number
 - 6) Internship Coordinator
 - a) ID
 - b) Department
 - c) Number of companies handled

Implementation

We will try to implement a better front end for the web application using Ruby on Rails along with html/css/JavaScript and base of SQL with PostgreSQL.