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## Homework 2

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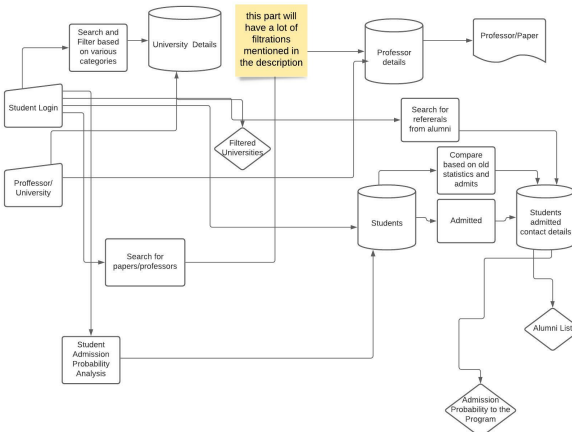
## Abstract

- Description of the intended functionality of the web application from a user perspective. This should be about 1/2 page of text.
- ER diagram of the miniworld described.
- Description in general terms the ways the user interacts with the system (make a list). What does the user see, what actions can she/he take, what are their results, what about illegal input/actions.

## 1 Description of intended functionality

This will be an interactive website based for undergraduate students, Professors/Universities who want to go to graduate school in other countries for their masters or Phd. The students will have their own accounts, join groups (of previously admitted students in different universities), able to sort universities based on the funding, major, ranking, research output. From a user's perspective the website will be different for students who want to go to academia and industry. It will also be a different experience if the user wants to go into development (like front end development, UI UX design etc) or research (like making new algorithms for robotic manipulation, computer vision, biotech, bioinformatics, dynamical system etc). From a professor/university's perspective it's for putting up their university's/professor's profile for to let student know about the university and the admission application, funding availability and other application procedures for being considered as a candidate.

## 2 ER Diagram



### 3 Description from user's perspective

- The user will see a main page with four sections on the top

- Login Page(for students and professor/universities).
- University research for graduate school.
- Professor filtration for Phd candidates.
- University acceptance calculator.
- The user can login and can save universities and other important information they gained during their university research for later.
- The University/Professors profiles will also be updated by the universities/professors.

In one sentence this will be a permanent solution to the grad school search problem. We don't have to go to 100 different websites to research in-order to find a graduate school that suits a student's needs. The other functionality details are already mentioned in the explanation section.