INTERNSHIP MANAGEMENT SYSTEM

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Abstract

Computer engineering students need to have internship experience that is as important as theoretical part of their education. However, finding an appropriate workplace can take too much time in semester and students may miss internship opportunities at most popular companies. Moreover, each student has different skills and variety of interests in computer science fields. In our “Internship Management System” project we attempt to provide a solution to these problems. Student skills are reflected at the transcripts of the students and the project has been designed based on Çankaya University Engineering Faculty’s internship regulations. With this project, we aim to facilitate the work of computer engineering students of Çankaya University who want to find appropriate internship workplace to translate their theoretical skills to efficient internship experience.

Keywords: internship, maximal matching, assignment, online interview.

Introduction

Internship of university students is as important as the theoretical part of their education. Students have opportunity to understand application areas of their theoretical skills and translate them into practice. However, there is no automated system to search internship opportunities. Students are responsible for finding organization for their internships. Opportunities to find an internship workplace on the Internet are increasing with the developing technology. Students can fill application forms of companies and wait for their reply. However, this search is time intensive and the students may not have enough time to search for appropriate workplace in their intensive education life.

Solution

To solve the these mentioned problems, the aim of our project is to develop a user-friendly web-based system to pair students with companies according to their theoretical skills students and the requirements of the organizations. To make this possible, we designed and developed a novel maximal matching algorithm with using multiple criteria. The companies can arrange online interviews to test the students that the system proposes to them. The system will collect feedbacks from both students and companies for maintenance.

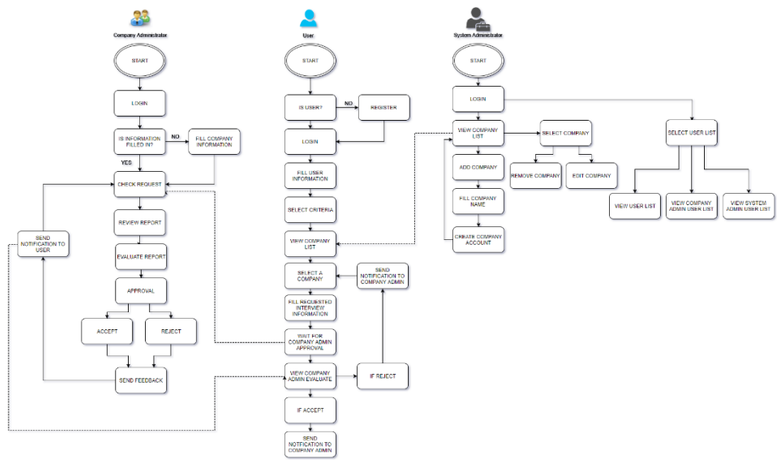

Figure 1 - Flowchart

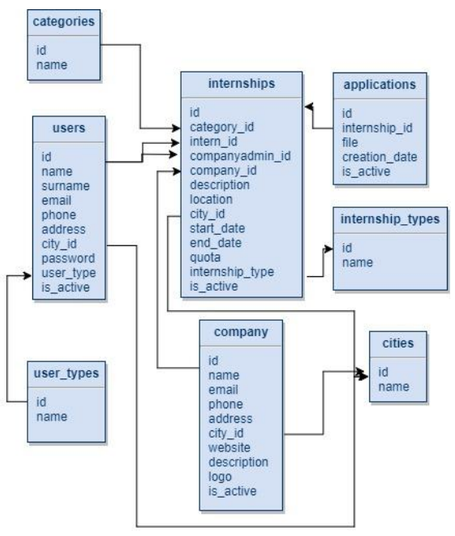

Figure 2 – Database

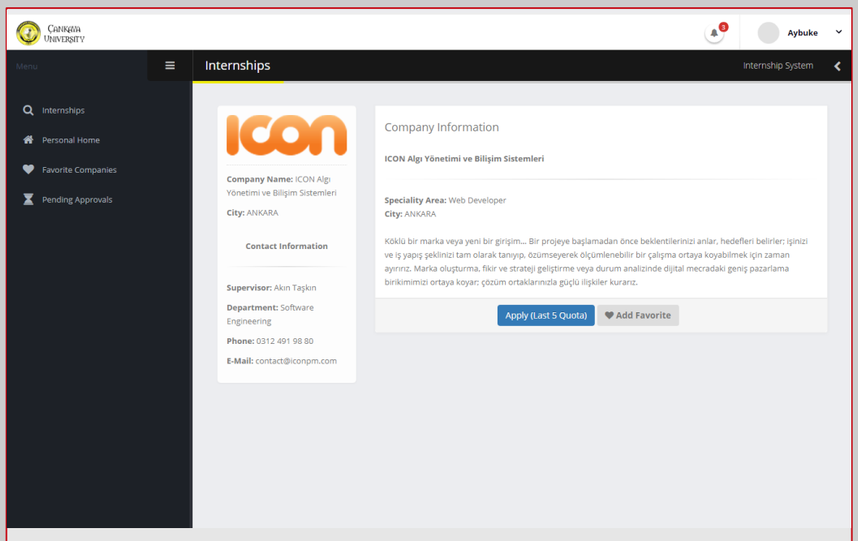

Figure 3 – Final Product

Source: www.stajyerlerim.com

Results & Conclusion

As a result, this web application will bring improvements to the university Internship Management System and we believe that there is a need for such a web application. Through the facilities of this application, the Çankaya University students will be able to find a suitable internship place according to their skills and interests by spending only a minimum time.

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