ÇANKAYA UNIVERSITY

Internship Management System

Project Member: Akın TAŞKIN

Advisor: Assoc. Prof. Reza HASSANPOUR

Contents

Problem

- Many companies accept internships for computer engineering students. However, there is no quick way to find a suitable organization for students' theoretival competence.

- In addition, Department of Computer Engineering at Çankaya University does not have an automated system to record and manage internships for students.

Problem

- If a student does not find a suitable organization, he/she can work on the undesirable sector.

- As a result, this issue leads to an ineffective and depressive internship process.

Analysis

- **Assignment Problem**

The aim of the assignment models is to assign the most suitable workers to task and to set the lowest cost placement.

The goals are the minimum cost and maximum profit.

Analysis

- **Maximal Matching Problem**

Self-stabilizing maximal matching algorithm combines all of these algorithms in the same time complexity as the previous best algorithms for opposing, equitable class, successive opposing daemon and simultaneous daemon.

Also, this algorithm improves the previous best time complexity for a distributed opposing daemon.

Solution

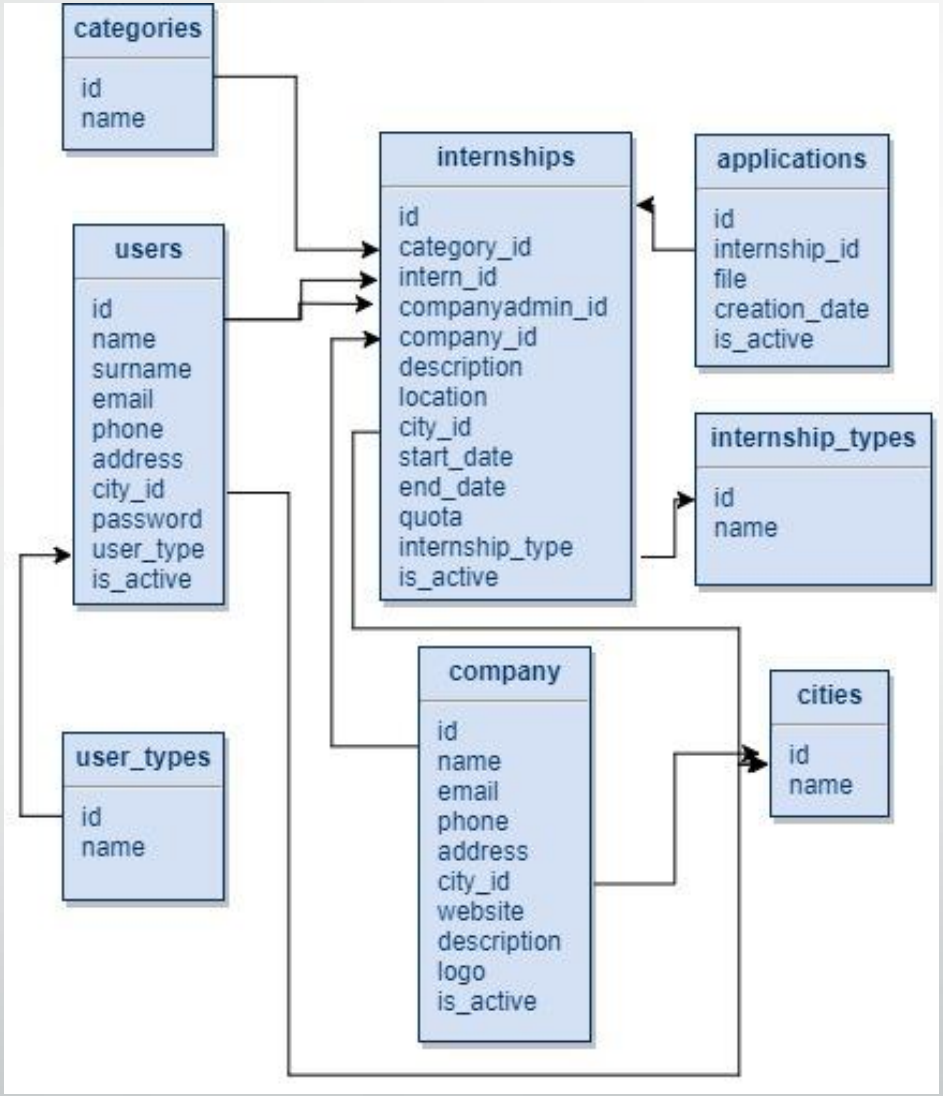

Figure 1: Database Diagram

Solution

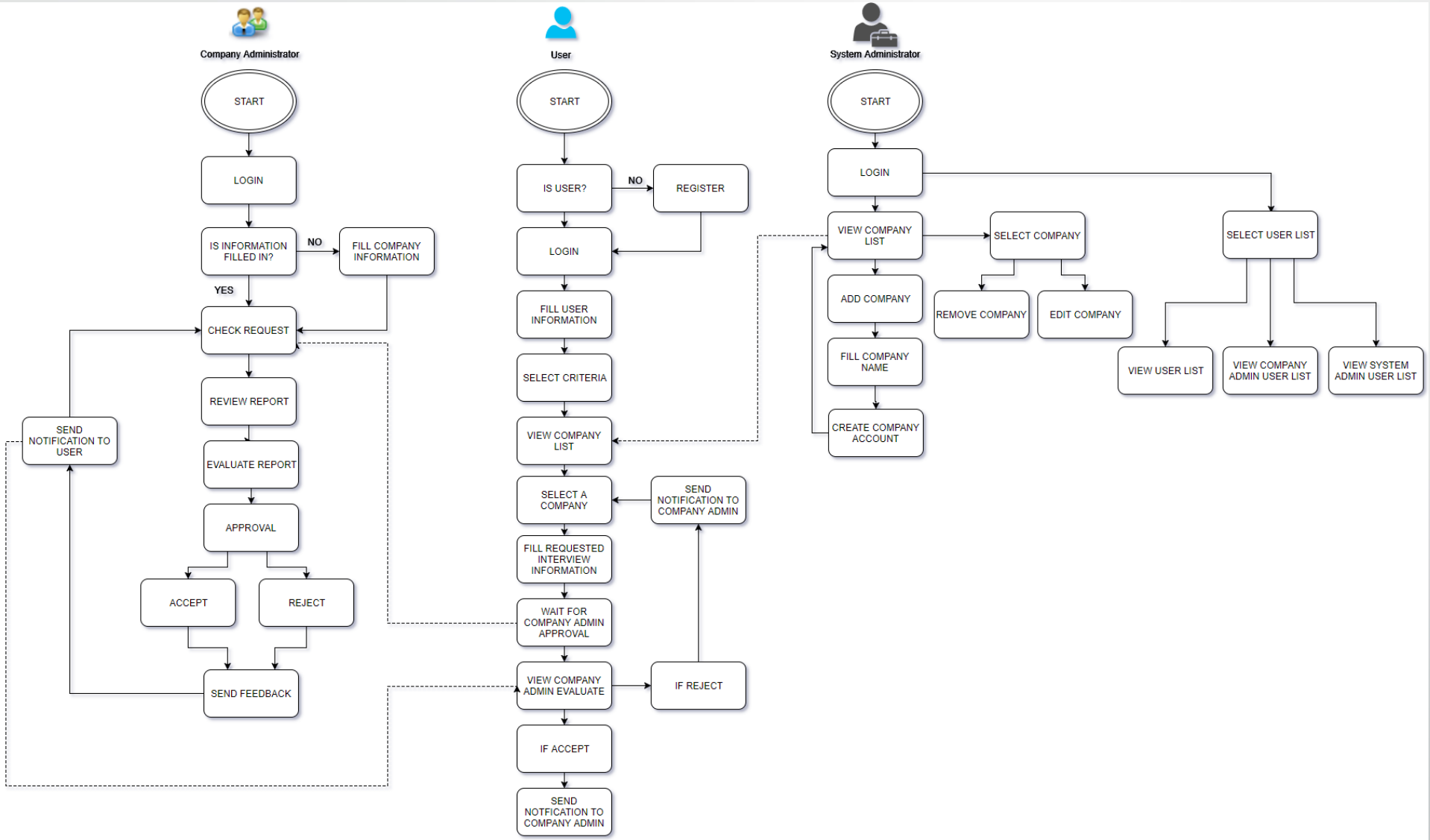

Figure 2: Flowchart

Solution

```
System Administrator:

1. System Admin enters dashboard
2. Login
3. View company list
4. If the company is listed
    *Select Company
    *Edit or Remove Company
   else
    *Add Company
    *Fill the company information
    *go to step 3.
```

```
User:

1. User enters website
2. If the user has an account
    *Login
   Else
    *Register
        - Fill necessary fields
        - Login
3. If the user does not have information for internship
    *Redirecting to user page
    *Fill necessary fields
    *Go to selecting criteria page
   else
    *Redirecting to selecting criteria page
4. User selects criteria in category list for internship
5. User see companies that match the criterias
6. If company is suitable for you
    *Select company
   else
    *go to step 4
7.Fill requested interview information
8. Company admin approval
    if Accept
        -User gets notification
        -go to step 9
    else Reject
        -User gets notification
        -go to step 4
9. Company admin evaluate
```

```
Company Administrator:

1. Company Admin enters dashboard
2. Login
3. Check Request list
4. Select one of user's report
5. Review report
6. Evaluate report
7. Approval
    *If Accept
        -Send Feedback and Notification
        -go to Step 3
    *else Reject
        -Send Feedback and Notification
        -go to Step 3
```

Figure 3: Pseudo Code

Solution

- **HTML (Hypertext Markup Language):** The standard text markup language used to create Web pages.
- **PHP (Hypertext Preprocessor):** A powerful tool for making dynamic and interactive Web pages.
- **Javascript:** The programming language of HTML and the Web.
- **phpMyAdmin:** An open source tool written in PHP. Its primary use is to manage MySQL database over the internet.
- **MySQL:** An open-source relational database management system.

Solution

- **jQuery:** A framework that can be used both as a javaScript, as Ajax and as an effect library.
- **Ajax (Asynchronous JavaScript and XML):** Instead of reloading the entire page to user, it merely dynamically brings the necessary data to the screen or sends it to the server.
- **Database Management System:** Software that handles the storage, recovery, and updating of data in a computer system.
- **Sublime Text:** A cross-platform source code editor and text editor, containing many programming language interfaces.

Results and Conclusions

- As a result, this web application will bring improvement to Internship Management System and I believe that there is requisition for such a web application system.

- After finishing the project, Computer Engineering students at Çankaya University will facilitate the study of students who want to find suitable internships to translate their theoretical skills into productive internship experiences.

Project

Source: *http://www.stajyerleri.com*

Project

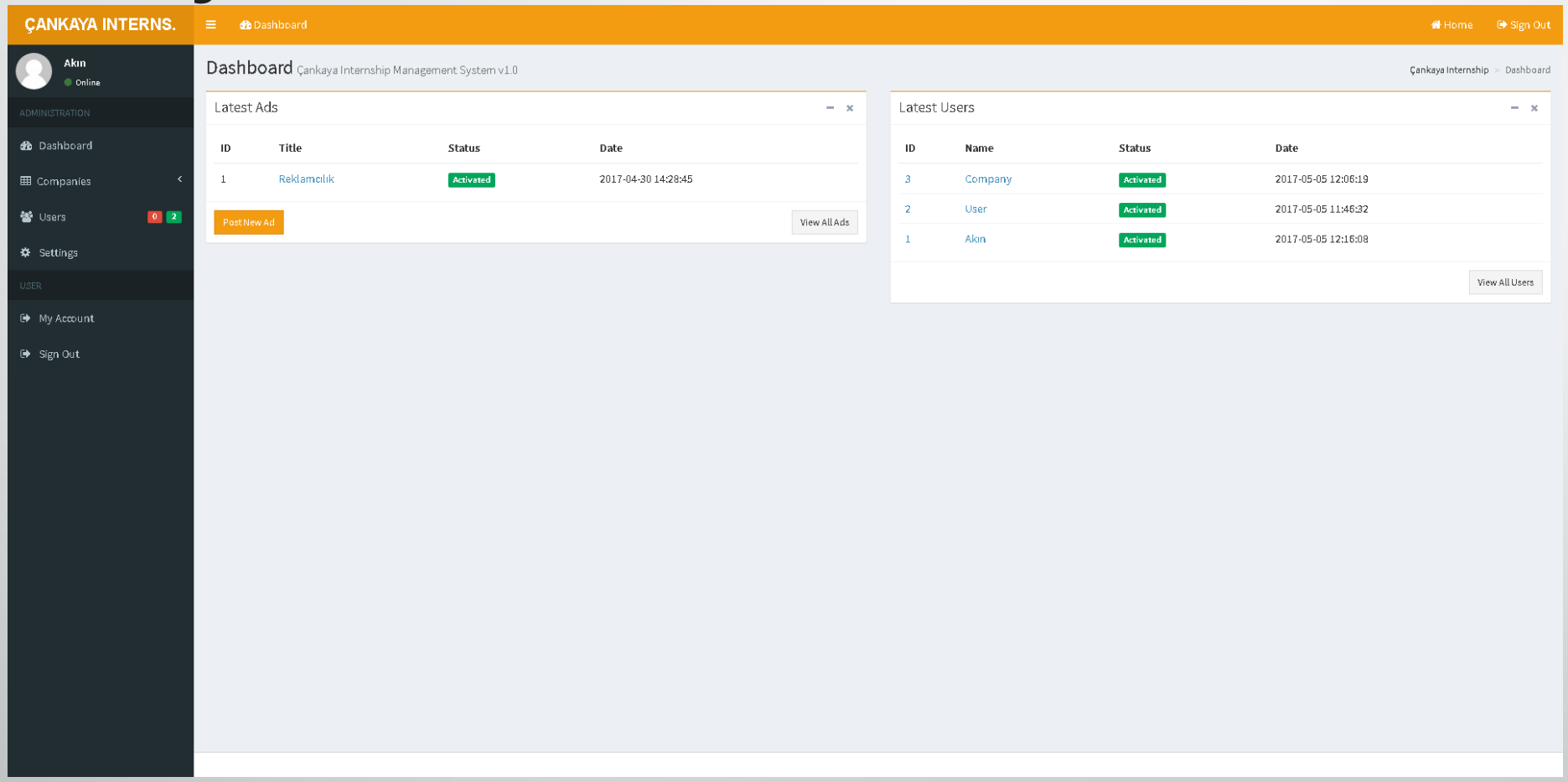

Figure 4: System Administrator Dashboard

Project

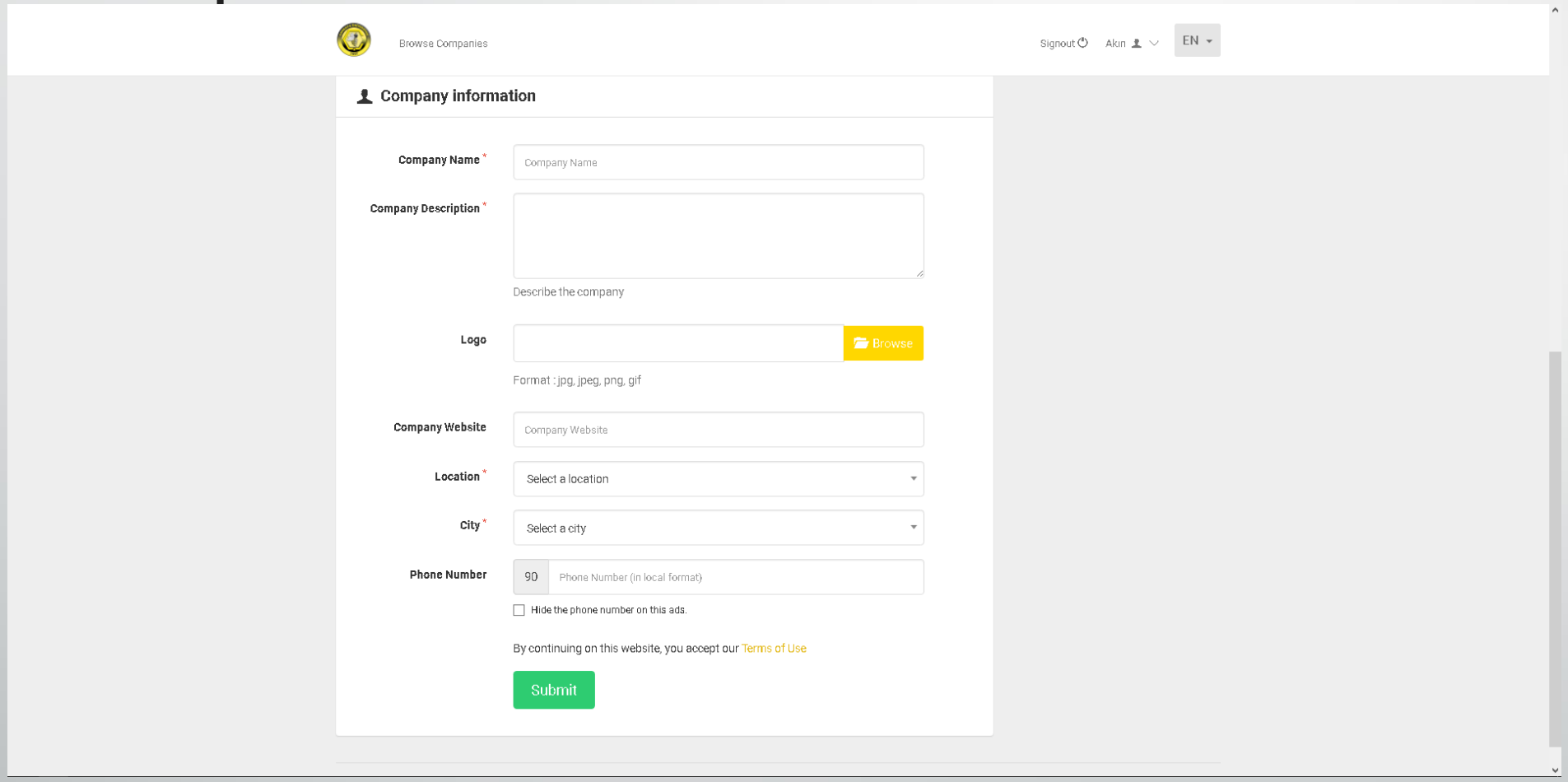

Figure 5: Add Company Interface

Project

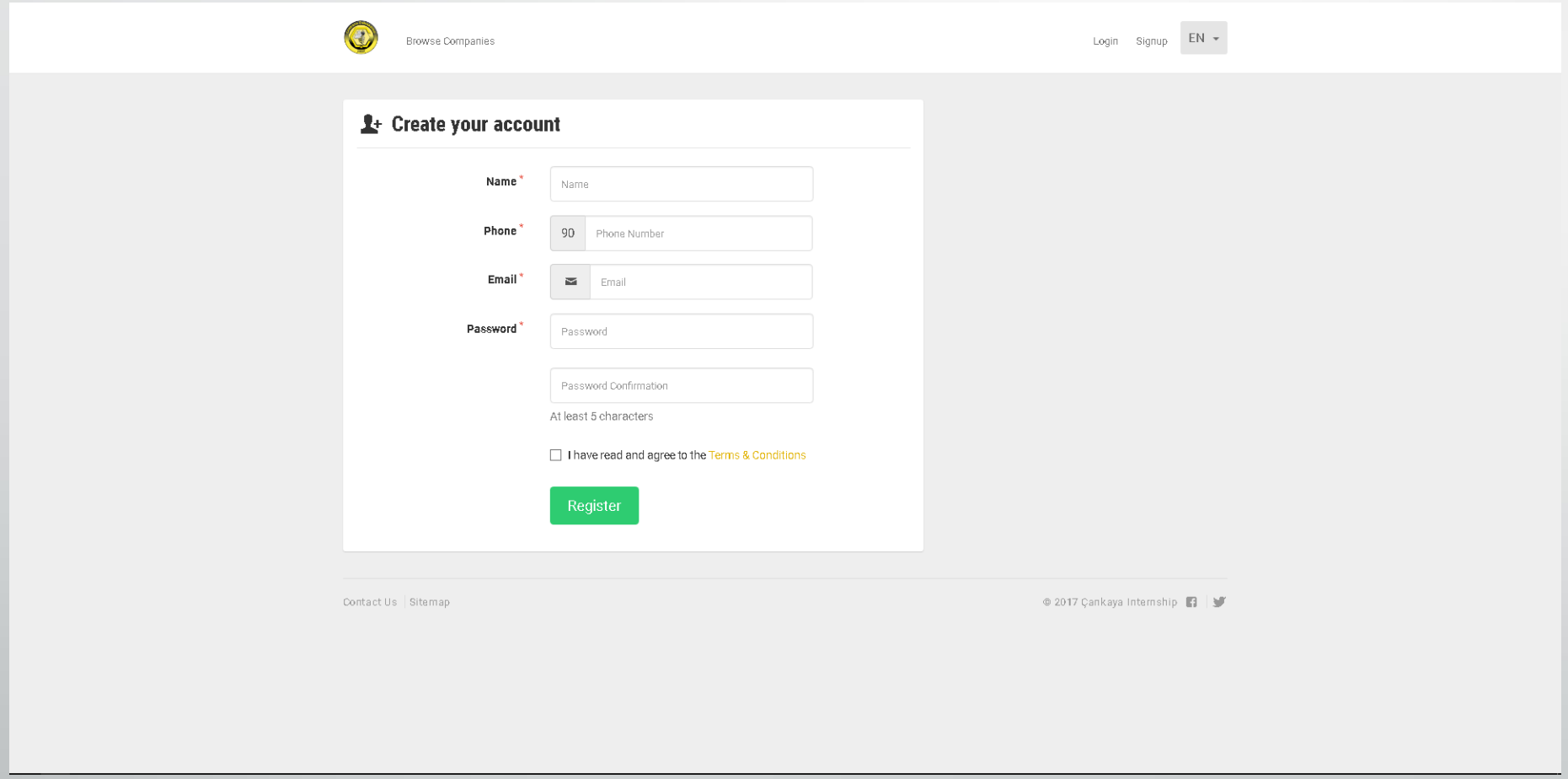

Figure 6: User Register Interface

Project

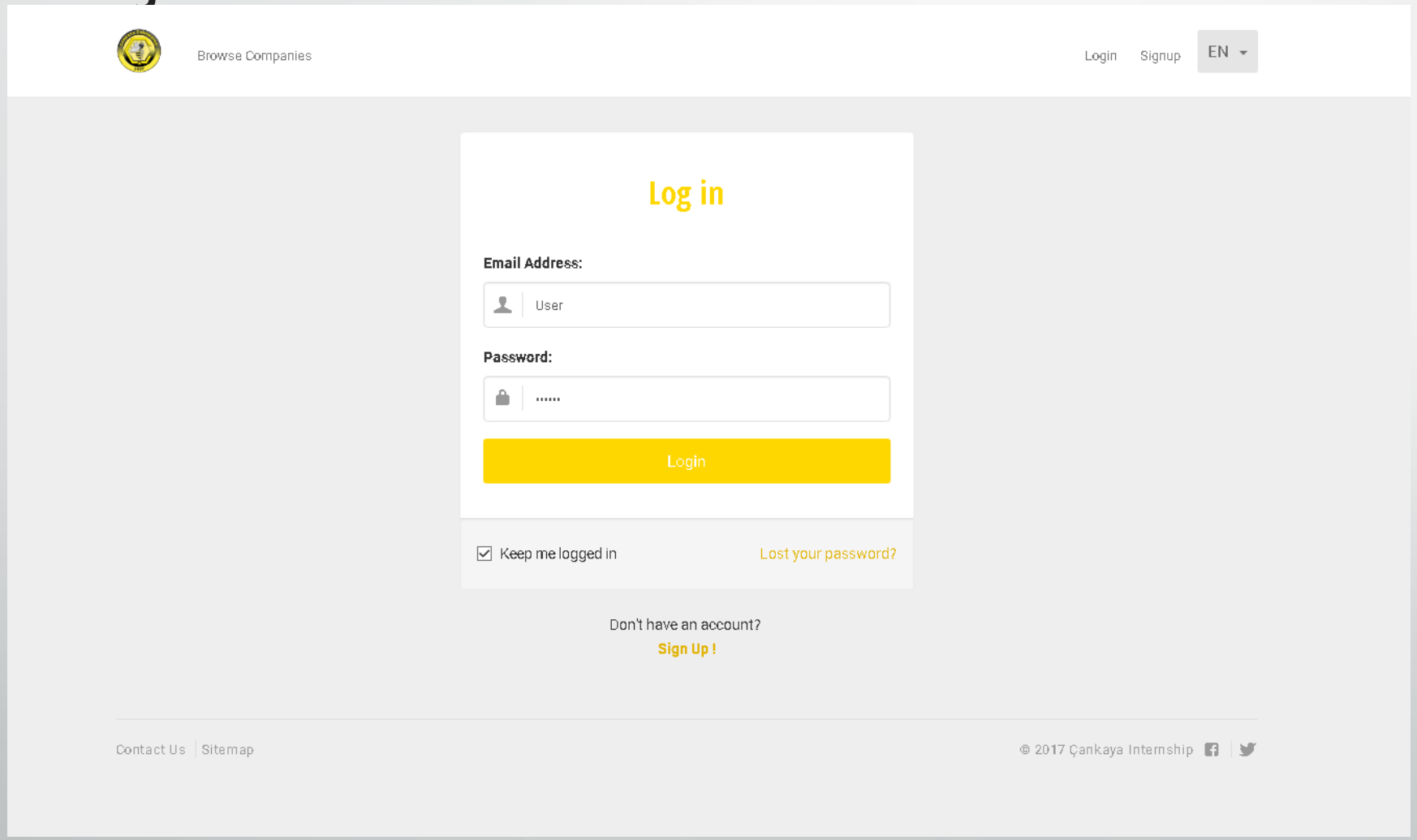

Figure 7: User Login Interface

Project

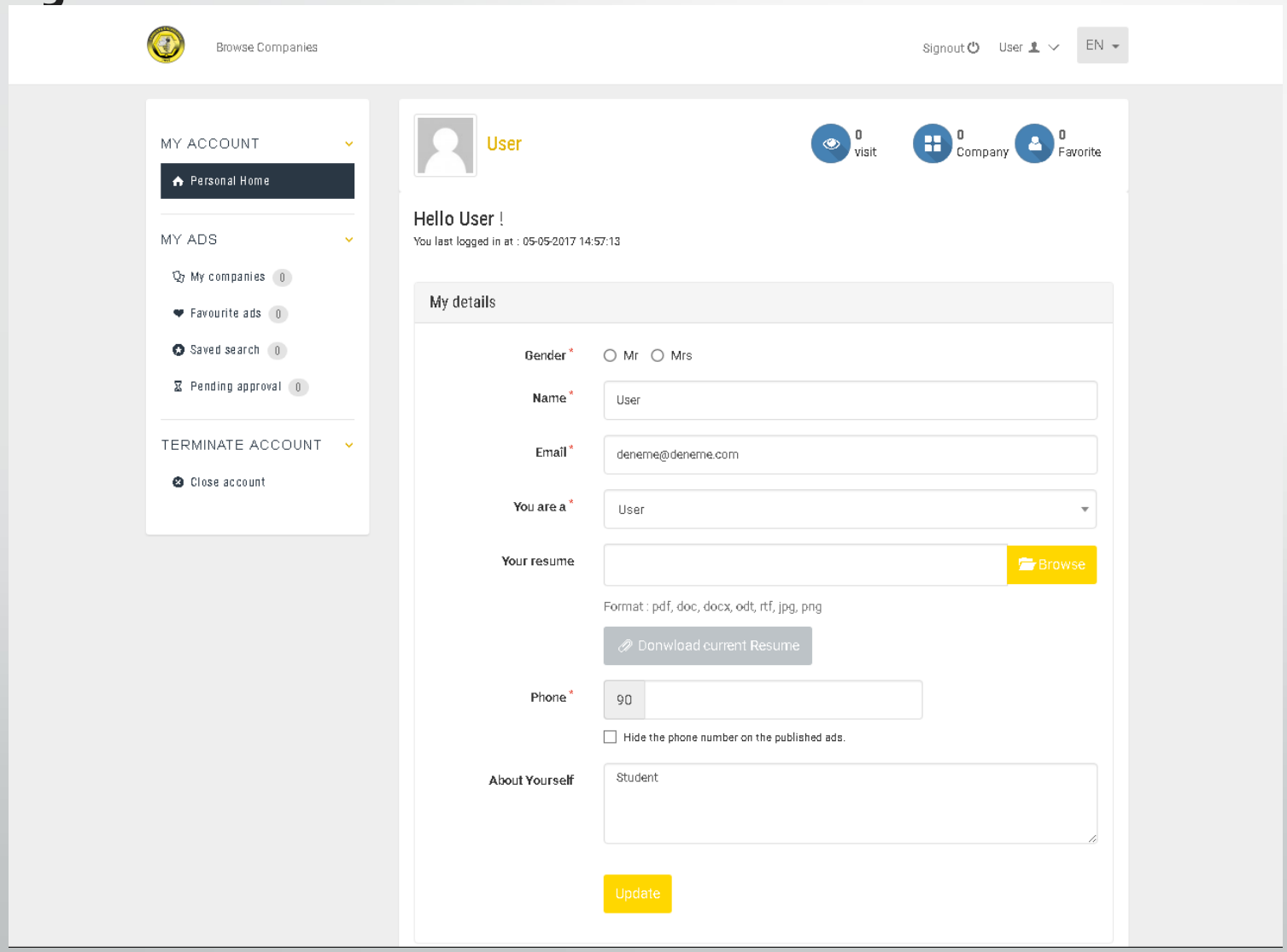

Figure 8: User Profile Interface

Project

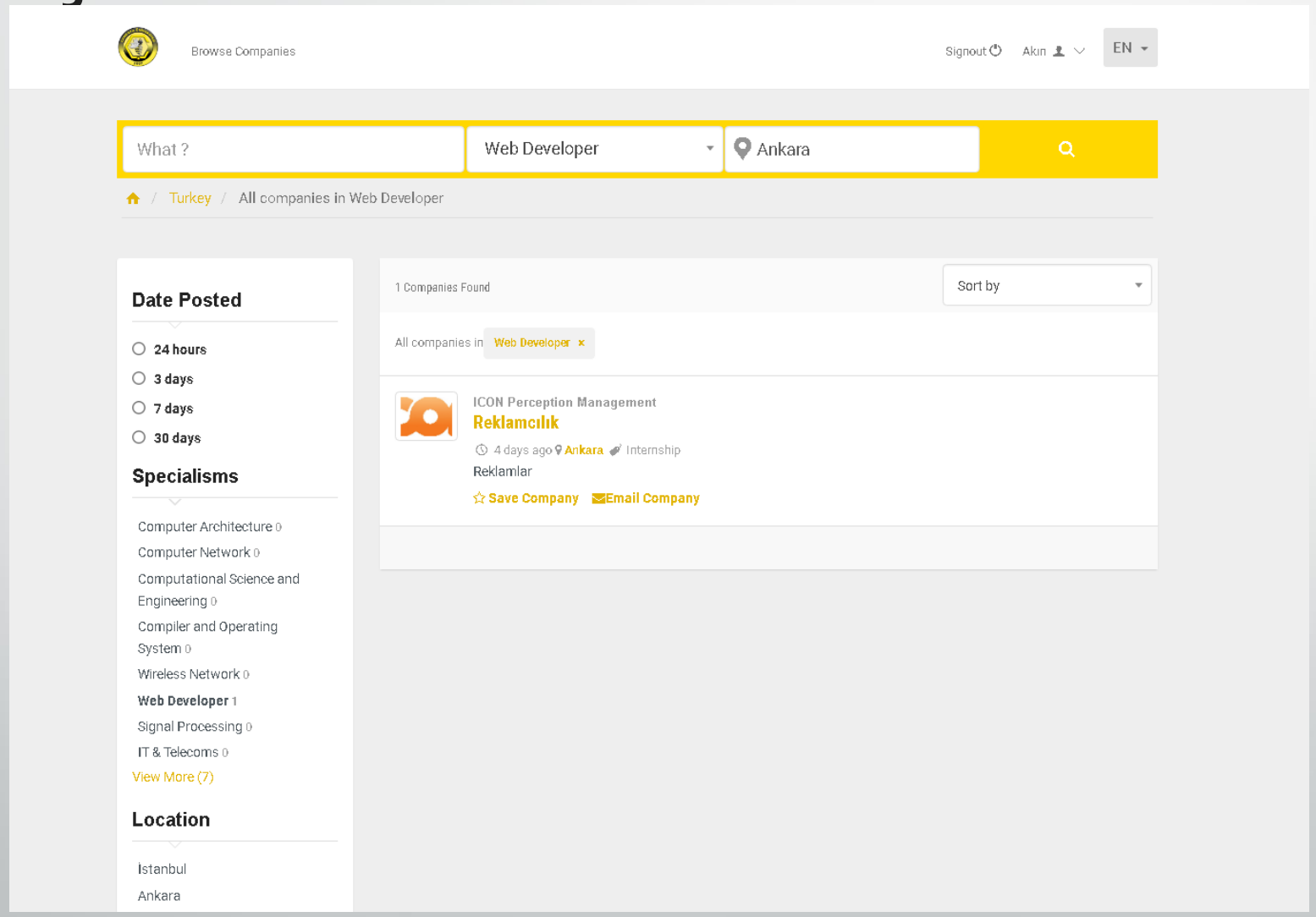

Figure 9: Search/Select Company Interface

Project

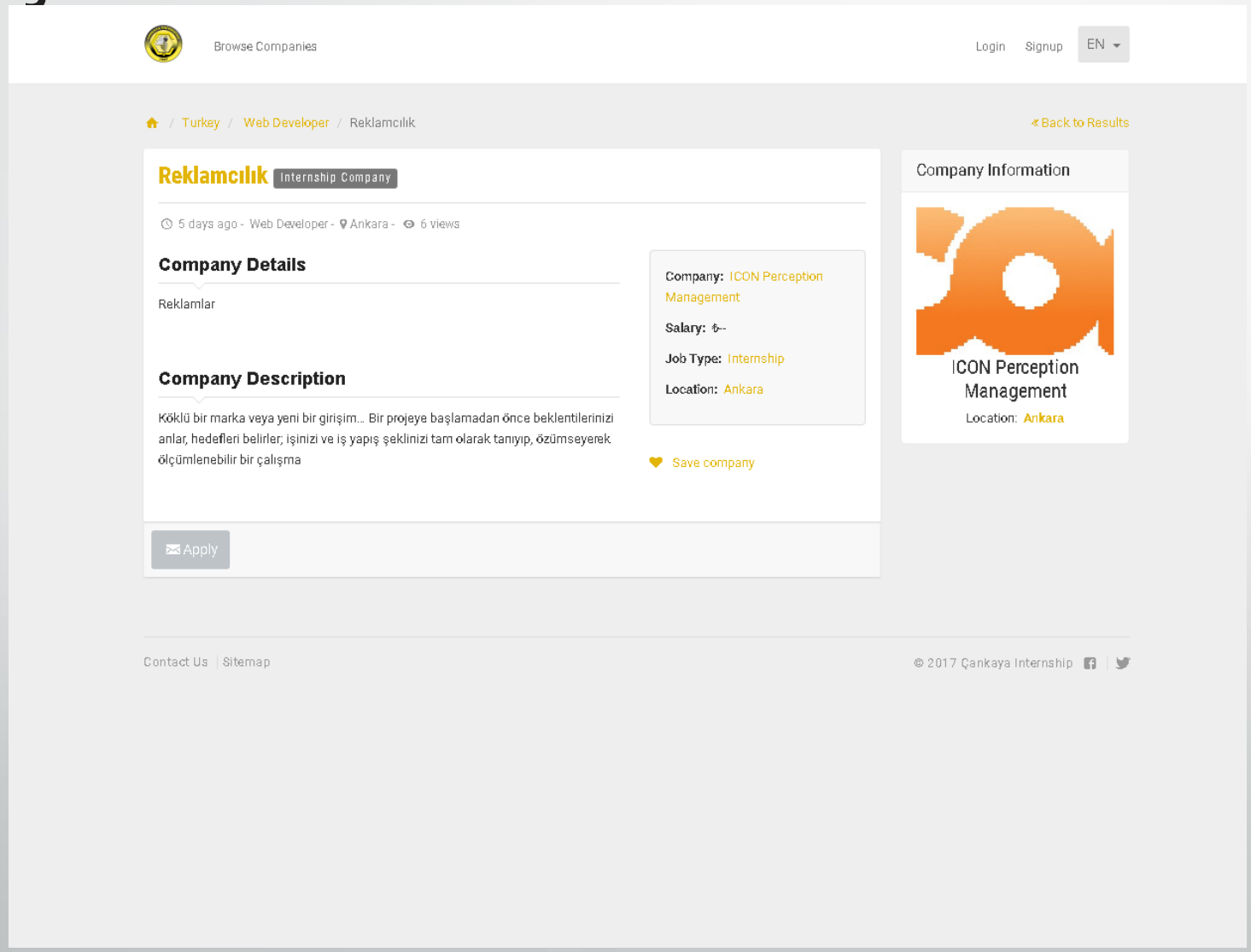

Figure 10: Company Information Interface

Project

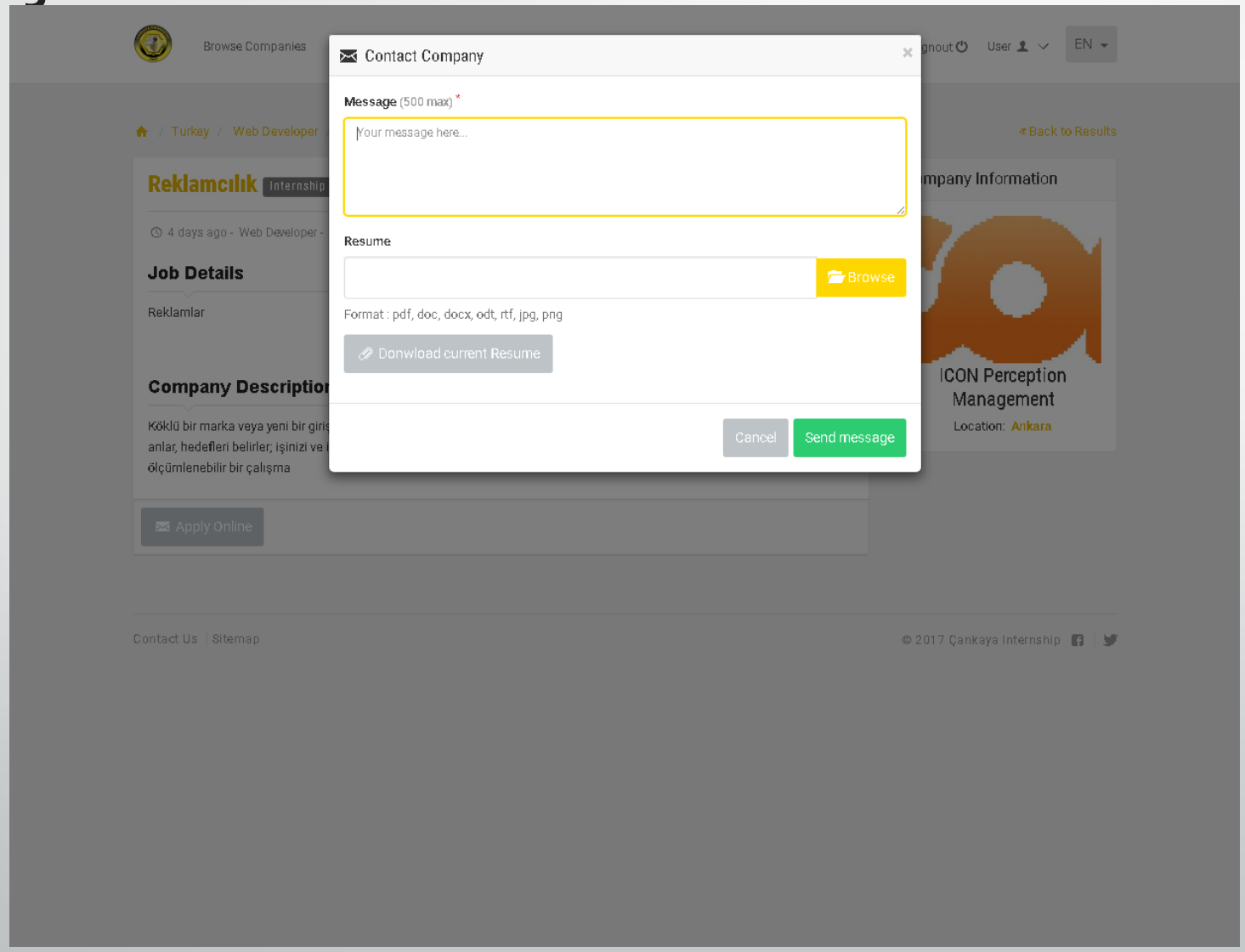

Figure 11: Interview Interface

Project

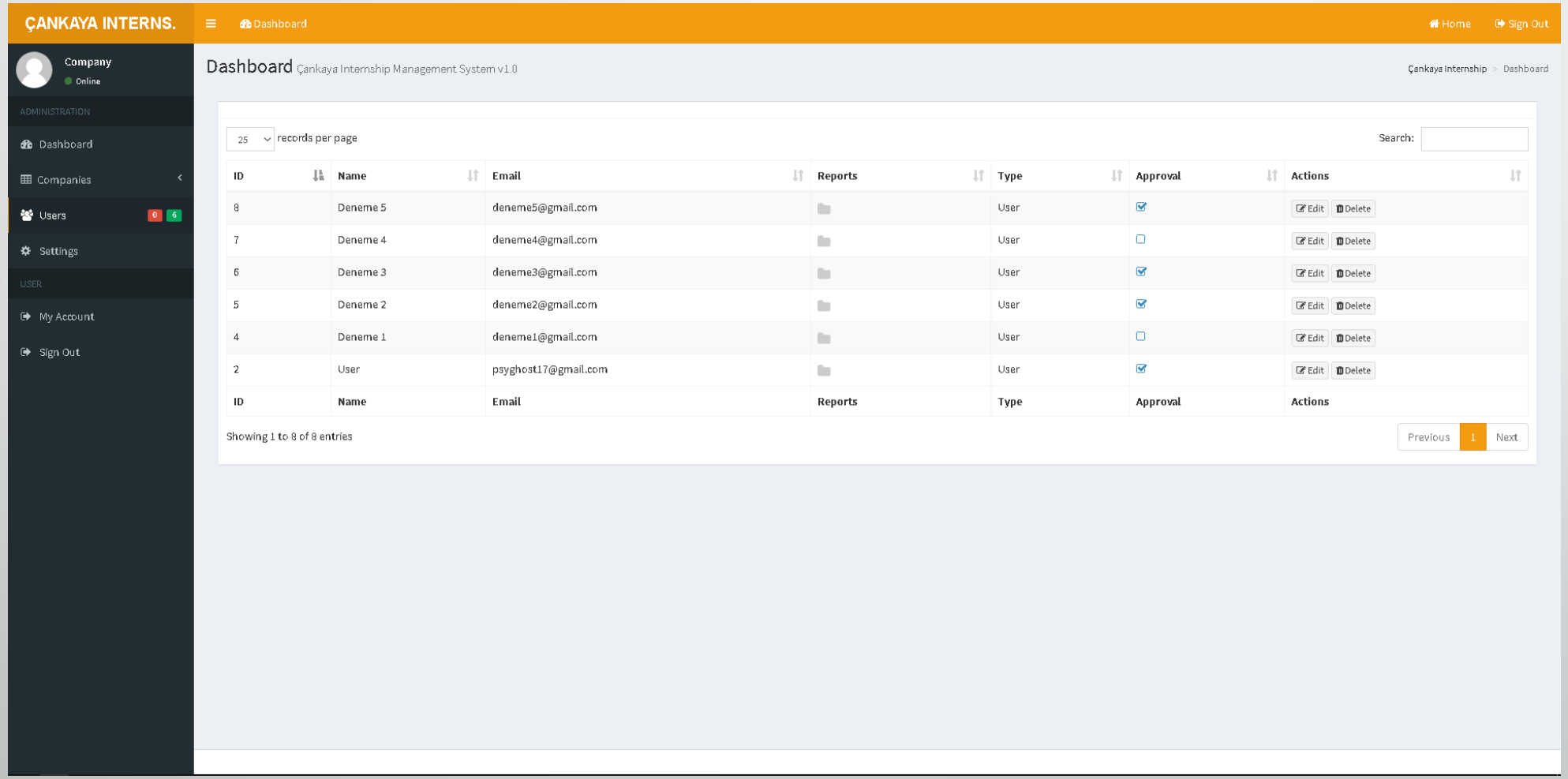

Figure 12: Company Administrator Dashboard

References

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Thanks for joining and listening me…

if you have any question I will answer. ☺