LinkedIn API

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Motivation

LinkedIn is a social networking site allowing its users to create connections with employers, co-workers and classmates. A LinkedIn user page generally contains their skills, employment history and education. The purpose of this project is to create a program in which GSU faculty and staff search previous alumni, matching criterias such as graduation year and/or major.

The LinkedIn program allows the system to search for GSU alumni using LinkedIn's API. Users will be able to register and login to the application to create search requests. The results will be available to the user in CSV format.

There is a need for an update to information that provides guidance to faculty, institutional researchers, and student affairs personnel in the areas of mentoring for undergraduate students. [1]

Software Engineering Model

The project is a semester long class which comprises three integrated system modules. Each component is built among teams each team of 5 C.S students totals to 15, working together on a single large system. The teams use Java Remote Method Invocation (RMI) because it allows each team to work independently on their system component, with integration at the end of the semester.

The front-end was created using JavaFx. The administration and backend modules used Java. The backend used Linkedin's API to gather the query search results. Amazon RDS served as the database to store user credentials and search requests.

The Linkedin program should:
- Allow users to register for an account and login using a registered account.
- Allow users to create specific search requests based on criterias such as degree title and/or graduation year.
- Provide the user with his/her search results in a CSV file.

References

[1] Cruz, Irene, and Gloria Crisp. "Mentoring College Students: A Critical Review of the Literature Between 1990 and 2007." *SpringerLink*, Springer, 2 Apr. 2009, link.springer.com/article/10.1007/s11162-009-9130-2.