Requirement Document

1. Purpose

The quality of financial information disclosure of Listed Companies in Shanghai and Shenzhen Stock Exchange is analyzed after establishing scientific and reasonable evaluation index, so as to help investors and banks in stock market understand the degree of information disclosure of corresponding companies, and improve the quality of information disclosure of Listed Companies in Shanghai and Shenzhen Stock Exchange, as well as increase the transparency of financial information disclosure, and standardize the securities market.

2. Service Object

- Listed companies: Make sure of the quality of financial information disclosure of the company, and then improve the degree of disclosure of relevant indicators, which is conducive to the development of listed companies themselves.
- Stock market investors: make sure of the quality of financial information disclosure of target companies, and then find out whether there is investment risk, which is conducive to investment decisions.
- Bank: Understand the quality of financial information disclosure of target company, analyze the risk of loan/repayment, and make decision.
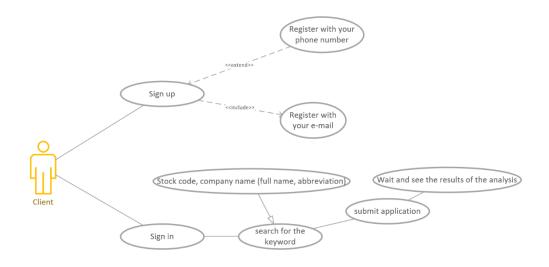
3. Software Supporting

Software expected to be used during development:

type	technology/software
Application Server	CentOS Linux release 7.6

Development Tool	PyCharm 2019 Visual Studio Code 1.36 Navicat for MySQL 11
Database	MySQL Community Server 5.6
Frame components	Micro service

4. User Stories

After login, submit query application: After registering and login, users can search and query the listed companies of Shanghai and Shenzhen Stock Exchange according to the stock code, company name or other industry keywords of the listed companies of Shanghai and Shenzhen Stock Exchange, and submit analysis request in the query result interface.

After the completement of analysis, the results can be viewed after the analysis request submitted by the user is completed. The analysis results include, but are not limited to, the company's own information, information disclosure and the analysis results of various indicators.