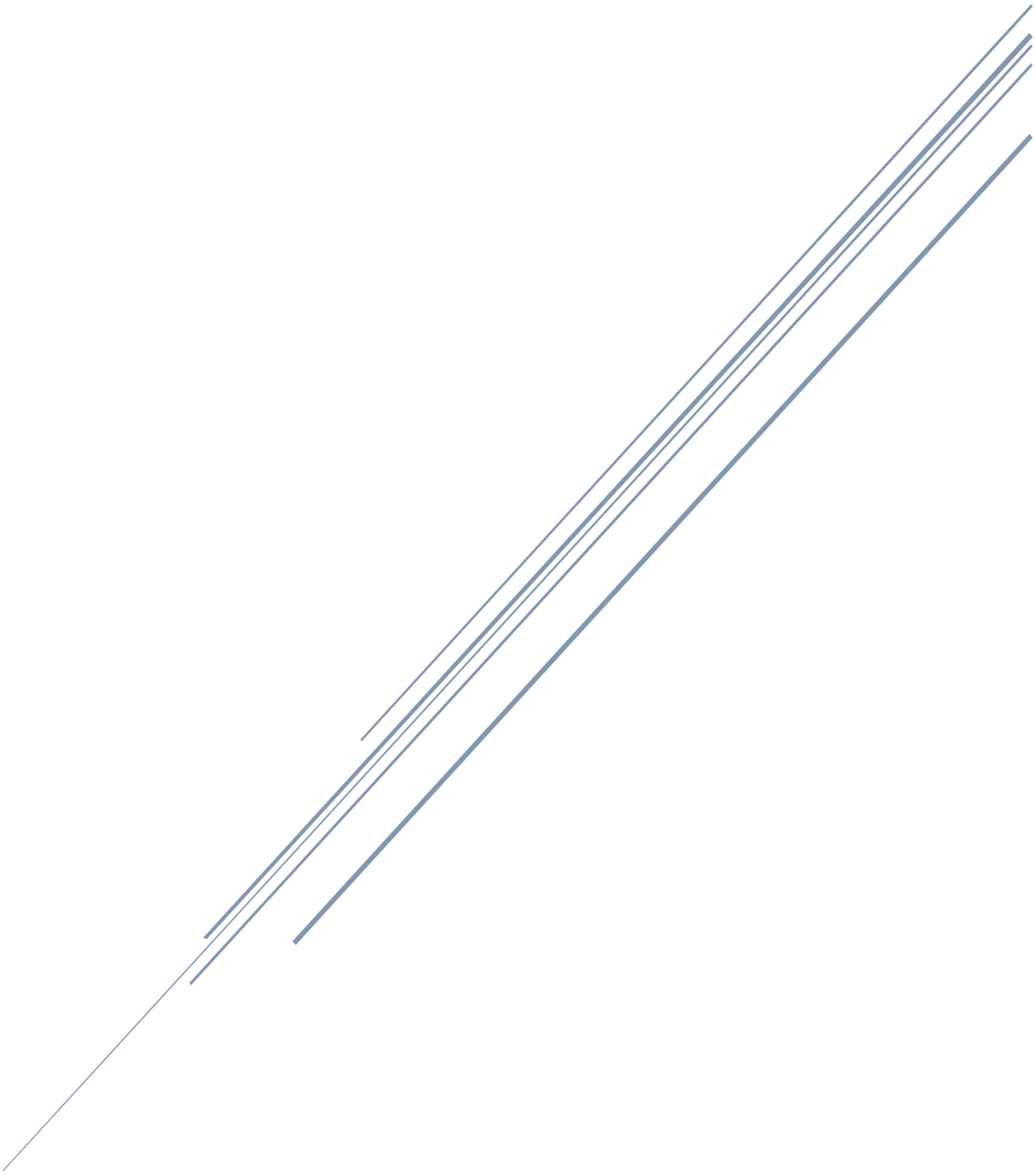
SRS DOCUMENT FOR COMPANY EXPLORE FEATURE

Team Cobol



University of Pretoria
COS 301 2022

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Introduction

Purpose

The purpose of this feature is to provide the user with an interface to browse the various companies that have signed up on the system. The feature includes a search function and a filter function, allowing the user to find either a specific company or companies that match certain filter criteria.

Scope

The Company Explore feature is designed to give the user a brief overview of all the companies that have signed up (have company profiles) on the system. The Company Explore feature will allow the users to additional search and filter through the various companies to find those that match their search/filter criteria.

Definitions, Acronyms, and Abbreviations

- FR – Functional Requirements
- NFR – Non-Functional Requirements
- QR – Quality Requirements

References

n/a

Overview

The document is intended to describe the Company Explore feature. This includes the feature's functional and non-functional requirements, the software and design requirements and the constraints that it is subject to.

Overall Description

Context of Product

The display of basic information (e.g. Company Name, Company Logo, etc) of the various companies that have registered on the system. The feature allows the user an overview of the various companies, as well as allowing the user to search through the companies using a search function and to filter through the companies using a filter function.

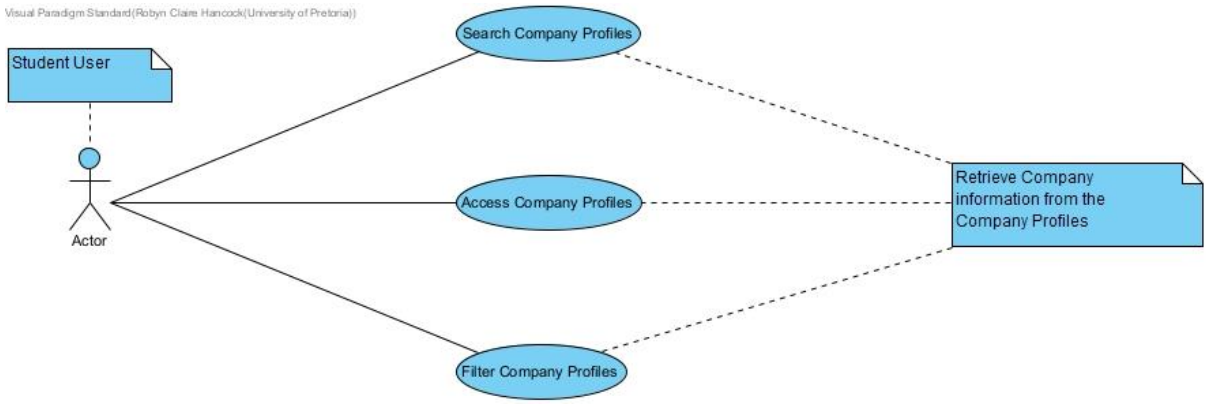
Product Functions

To display the basic overview information for each company that has registered on the system. This basic overview information includes the Company Name and the Company Logo among others.

To allow the user to search through the various companies using a filter function. The user will use filters to sort through the companies and only display the companies that match the filter criteria.

To allow the user to search for a specific company or companies using the search function. The user will enter the name of the company or part of the company name and the feature will only display the companies that match the user's search criteria.

Use Case Diagram



User Characteristics

The Users of this feature will be any user of this system. There is no editing of information involved, thus there is no restriction on which user has access to this feature.

Constraints

The feature is to be created and maintained only by the members of the COS 301 Cobol team.

The feature may only use libraries and sources that have been made authorised by the staff in charge of the COS 301 2022 module.

Assumptions and Dependencies

The feature is dependent on the company profiles feature.

The feature assumes that each company profile contains at least the basic information of the Company. E.g., The Company name.

Specific Requirements

Functional Requirements

- FR1: The system must retrieve pertinent information (e.g., Company Logo, Company Name) from the Company profile for each registered Company and display this information correctly.
- FR2: Users should be able to use the Search function to locate a specific Company, or any Company/Companies that match the search criteria given by the user and will be displayed.
- FR3: Users should be able to filter through the List of Companies displayed using the filter function. This results in only companies' whose profile matches the filter criteria will be displayed.
- FR4: The Feed for the Company explore must be dynamic, so that newly registered companies are automatically added to this feed.
- FR5: Upon opening this page, the feed will automatically display.

Performance Requirements

- NFR1: The feed will only contain concise information about the Companies' displayed, such as the Company Logo and Company Name, to avoid cluttering the feed.
- NFR2: The retrieval of the information from the Company profile should be fast and efficient to avoid bottlenecks and backlogs.
- NFR3: The Company Explore feed shall only display information that is publicly available from the Company profiles.

Quality Requirements

- QR1: The feature must pass all testing requirements, including the pull request testing requirements and the compilation testing requirements created by the team tester.
- QR2: The design of the feature must be compatible with the design of other features within the overall project.
- QR3: The feature must be implemented in such a manner that maintenance is easy to carry out.
- QR4: The feature must be user friendly.
- QR5: The feature must have a reliability of 99.99%.
- QR6: The feature must minimise the time taken to load all necessary information used.

Appendixes