INC 5000 COMPANIES 2019

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Problem statement

An application is managing data from database of 5000 companies. It's also able to filter companies by any parameter shown. You are available to mark any company as 'favorite'.
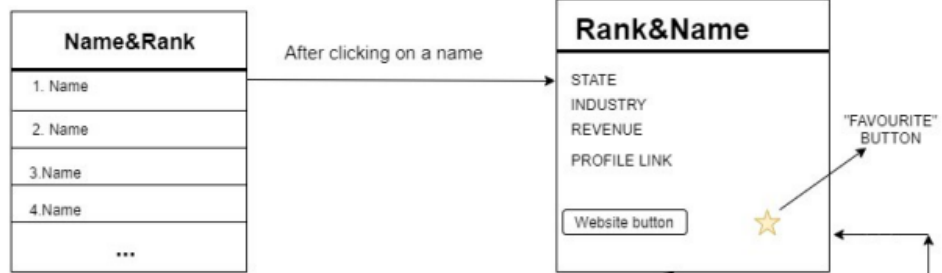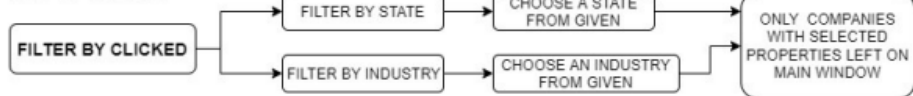
Problem Specification

3. App must show:

1. List of the companies, sorted by rank on the main window
2. By clicking on the company app should show name and rank information about company firstly
3. Location of company(State) must be shown
4. Sphere of work must be shown(Industry)
5. Revenue of company must be shown
6. Links to companies websites should also be provided and clickable(designed as a "Visit website" button)
7. Contain filtering system based on State and Industry(app should show only companies with selected Industry or State by user)
8. Search option must be included. By using search window user must have an opportunity to type company's name and find all info about it
9. There should be button "Favourite" to mark company as important
10. There should be an additional window with all favourite companies
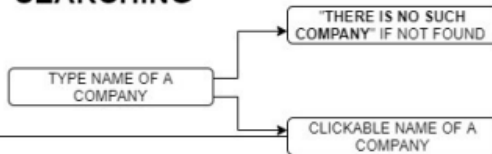
Appearance and scheme:

Main window

Name&Rank
1. Name
2. Name
3.Name
4.Name
...

After clicking on a name →

Rank&Name

STATE
INDUSTRY
REVENUE
PROFILE LINK

Website button   ☆

"FAVOURITE"
BUTTON

FILTERING

FILTER BY CLICKED → FILTER BY STATE → CHOOSE A STATE FROM GIVEN → ONLY COMPANIES WITH SELECTED PROPERTIES LEFT ON MAIN WINDOW

FILTER BY CLICKED → FILTER BY INDUSTRY → CHOOSE AN INDUSTRY FROM GIVEN → ONLY COMPANIES WITH SELECTED PROPERTIES LEFT ON MAIN WINDOW

SEARCHING

TYPE NAME OF A COMPANY → "THERE IS NO SUCH COMPANY" IF NOT FOUND

TYPE NAME OF A COMPANY → CLICKABLE NAME OF A COMPANY

FAVOURITE BUTTON

BUTTON CLICKED → COMPANIE ADDED TO FAV LIST → BUTTON CHANGED COLOR TO YELLOW

BUTTON CLICKED → COMPANY REMOVED FROM FAV → BUTTON CHANGED COLOR TO WHITE

FAVOURITE LIST

WINDOW CONTAINS ONLY FAV MARKED COMPANIES WITH CLICKABLE NAMES

Result

As the result we have an application that reads and works with companies dataset. All the features of the application was successfully implemented. The application has its own logo created in QT. It has all of the instruments that could be needed to analyse companies by all of the parameters required. Overall, I have improved my practical C++ skills with this application-building task.