

# InfoTrack – Development Project

To gain a better understanding of your technical, design and logic skills, we would like you to create a project in C#.NET that will perform the following:

## Task:

The CEO from InfoTrack is very interested in SEO and how this can improve Sales. Every morning he searches the keyword “land registry searches” in Google and counts down to see where and how many times their company, [www.infotrack.co.uk](http://www.infotrack.co.uk) sits on the list.

Seeing the CEO do this every day, a smart software developer at InfoTrack decides to write a small application for him that will automatically perform this operation and return the result to the screen.

They design and code some software that receives a string of keywords, and a string URL. This is then processed to return a string of numbers for where the resulting URL is found in Google. For example “1, 10, 33” or “0”.

The CEO is only interested if their URL appears in the first 100 results.

## Submission / Help:

If you have any questions please do not hesitate to contact either Scott or Carini. Please complete the project and send your code and the final product in a zip file back to:

Carini Ellen [carini.ellen@infotrack.co.uk](mailto:carini.ellen@infotrack.co.uk)

## Tips:

- Demonstrate OO Skills (over engineer the solution)
- Do this as ASP.NET MVC solution
- Make use of this URL <https://www.google.co.uk/search?num=100&q=land+registry+search> (I wouldn't bother with the google api or html agility pack – do some dirty scraping work, hint use RegEx)
- If you have used JS frameworks before and to go an extra mile to demonstrate your skills (eg, Knockout, Angular, React, Typescript), feel free to use it in this project. You may have to think of an additional feature eg, showing the rank history for the past week. However, this is a plus and does not affect the main requirement.