

## Amadeus Programming Assignment GO

### Developing a single Restful API endpoint

Develop a go lang web-based application which provides a single Restful API endpoint of the form:

<http://host:port/api/v0.1/search/{searchWord}>

The service should handle http GET requests only.

The "searchWord" parameter is a single word (no regular expressions or multiple words) and the application should do a search for that word in a text document (exact matches only) that we will provide.

The response of the service should provide the following information:

```
{  
    wordFound: bool  
    numOccurrences: int  
    lineOccurrences: []int  
}
```

wordFound: was the word found in the document or not

numOccurrences: number of times the word occurs in the document

lineOccurrences: list of line numbers on which the word occurs

This is a task to be used during the application process at Amadeus and solved by the candidates alone. Have fun and success.