

## Test Description

You have been tasked with implementing a search functionality for a web application that allows users to find relevant documents based on a search query. The search query can be a long text, and the application should return documents that contain all or any of the words in the search query.

Your task is to implement a C# method that performs the search based on the requirements above. You will be given a SQL Server database that contains a single table, documents, with the following columns:

- ``id`` (int): the unique identifier of the document.
- ``title`` (nvarchar(255)): the title of the document.
- ``content`` (nvarchar(max)): the content of the document.

The method signature is as follows:

```
public static List<Document> SearchDocuments(string query, bool matchAll);
```

The method should return a list of ``Document`` objects that match the search query, based on the ``matchAll`` parameter. If ``matchAll`` is true, the method should return documents that contain all the words in the query. If ``matchAll`` is ``false``, the method should return documents that contain any of the words in the query.

A ``Document`` object has the following properties:

- ``Id`` (int): the unique identifier of the document.
- ``Title`` (string): the title of the document.
- ``Content`` (string): the content of the document.

## Requirements

- The search query should be case-insensitive.
- The search should not be sensitive to leading or trailing whitespace.
- The search should not be sensitive to punctuation or special characters.
- The search should be optimized for performance.

## Evaluation Criteria

Your code will be evaluated based on the following criteria:

1. **Correctness** – your code should produce the correct search results.
2. **Efficiency** – your code should be efficient and not cause unnecessary database queries.
3. **Readability** – your code should be easy to read and understand.
4. **Maintainability** – your code should be easy to maintain and extend.
5. **Testability** – your code should be easy to test.
6. **Error Handling** – your code should handle errors and exceptions gracefully.

## Tips

- You may use any libraries or frameworks that are commonly used in .NET Framework development.
- You may assume that the database connection string is provided and that the database schema is already set up.
- You may write additional helper methods or classes as needed.
- You may write unit tests for your implementation if you have time.

Good luck!