# agreement

## Properties

range: Array<Range>

Description:

This is a collection of all the range objects created as a result of a previous search operation. This collection is essential

when preparing the document for subsequent search operations.

## Instance methods

Search (): Promise<void>

Description:

This method leverages JavaScript's TreeWalker, Range, and regular expressions to perform a sophisticated search and highlighting functionality within the `makubaliano` document. It allows users to enter a keyword, initiating a search operation that traverses the document, identifies matching occurrences, highlights them, and opens corresponding details elements to provide contextual information.

Technologies Used

1. TreeWalker:

Purpose: Traverses the document tree to locate specific nodes efficiently.

Usage in search: Utilized to navigate through the document and identify text nodes containing the specified keyword.

2. Range:

Purpose: Represents a fragment of the document, enabling manipulation and styling of selected portions.

Usage in search: Used to create ranges for each occurrence of the keyword, allowing for the application of highlighting styles.

3. Regular Expressions:

Purpose: Facilitates advanced text pattern matching.

Usage in search: Employs a regular expression to perform a global, case-insensitive search for the entered keyword within text nodes.

Return

Type: Promise<void>

This method returns a promise that is resolved when the search is complete

Example1 :

//

//Create an instance of the agreement class

const inst = new agreement();

//

//Use the created instance to access the search functionality

await inst.search();

extract\_data(): void

Description

This method identifies and reveals all highlighted sections of the document using TreeWalker technology. It traverses the document, opening all detail elements associated with highlighted sections, providing a user-friendly way to display relevant information.

Example 2

//

//Create an instance of the agreement class

const inst = new agreement ();

//

//Extract the highligts

inst.extract\_data();