

Task:

Let's consider a function **fun** which has two string parameters, **strA**, **strB**. The function returns true if **strB** can be obtained from **strA** by deleting some characters and preserving the original order of the remaining characters (number of deleted characters can be zero, or the whole length of **strA**, that means the function will return true if **strA** and **strB** is same). Deleted characters may not be from a continuous range of indices.

Some examples:

```
fun('abcd', 'ac') == true (delete characters in index 1 and 3);
fun('abcd', 'abcd') == true (delete zero characters);
fun('abcd', '') == true (delete all the characters);
fun('abcd', 'cd') == true ( delete characters in index 0 and 1)
fun('abcdefg', 'acg') == true
```

Write the following two http api endpoints:

- {{base_url}}/add:
 - Request
 - Method: 'POST'
 - Content-type: 'application/json'
 - Body: {

strA: 'a string',
strB: 'another string',

}
 - Response:
 - Content-type: 'application/json'
 - If **fun(strA, strB)** is true (as defined previously), save this pair of strings (strA and strB) and send a 200 response with following body:
 - { result: true }
 - If **fun(strA, strB)** is false ignore this pair of strings and send a 200 response with following body:
 - { result: false }
 - In case of other server errors, send a 500 response.
- {{base_url}}/list:
 - Method: 'GET',
 - Response:
 - Content-type: 'application/json'
 - Respond with all pairs of saved strings.

- Request body should contain a json object with an array of all saved pair of strings. For example:

```
{
  list: [
    { strA: 'abcd', strB: 'ac'},
    {strA: 'abcd', strB: '' },
  ]
}
```

Implement the api endpoints using expressJS. You can use anything for data persistence (SQLite, mongodb, mysql, redis or anything else). Respond to the mail with public url of your source code repository for the task. The readme file of your repository should contain instructions about how to run your project. This task will be graded on the following criteria:

- Mandatory:
 - Correctness: strings will only be saved if fun(strA, strB) is true, otherwise they should be ignored. Get api should return all the saved pairs..
- Bonus points:
 - Coding style following the best practises and principles