Number sorter

17 November 2020   17:01

User

Webpage

input data

As String
regex ';'

blank input
check true

Post data
Via AJax
typescript + JQuery +
Javascript

Json Result

[1, "success"]

[0, "input error"]

typescript to
update
Page

NumberManipulator
Controller
Sort Method

Add SortToDB ()
list, string,
direction,

true / false
result

DB Domain

Connect,
update
Query,
disconnect,
test
if updated

Microsoft
SQL DB

Fetch Result,
type and true
value

Call Sort
pass - or +
+ = ascending
- = Descending

Create Instance

Number Sort
Domain

* Sort Algorithm
will be quick Sort

Slist_to_1List

type
Parser
Domain

Check if null
or result for
success
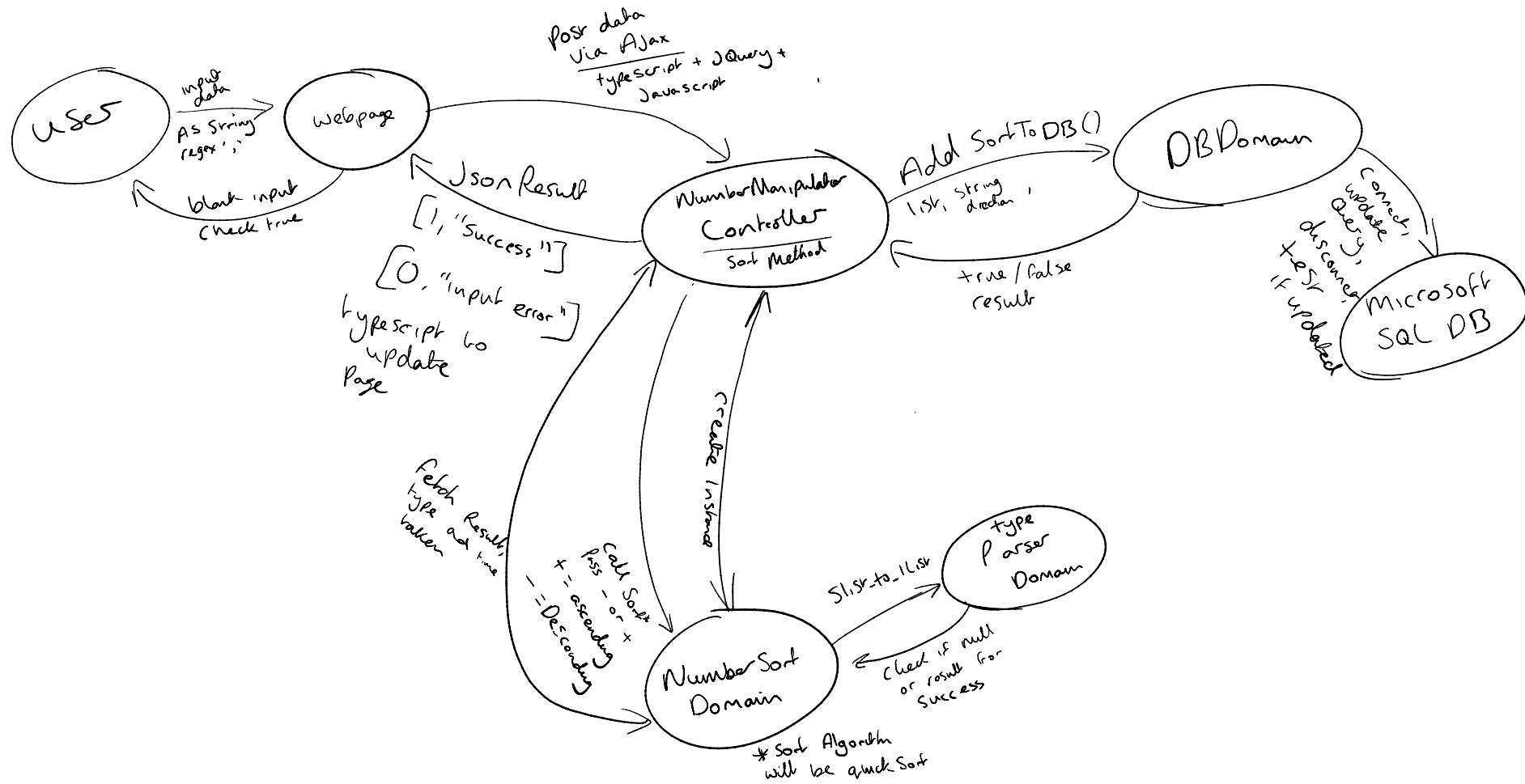
Number Sort Domain

- Numbers : List<Int>

- Sort Direction : String

- Sort time : float

+ NumberSortDomain (List<Int>, String Dir) : Void

+ Sort () : boolean

+ get List () : List (Int)

+ get Duration () : float

+ get Direction () : String

DB Domain

- userName : String
- Password : ? String
- TableName : ? String

+ Add Sort (List<Int>, float, String) : boolean