CellTypes internet app
Exam in Angular

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This app has been developed in Angular FW according the exam conditions of the programming department in one of the financial companies.

Exam conditions

Build Angular app which can produce a search in data list and display result in browser.
The data object has next properties:
- cellName
- cellType,
- maxLength,
- required.

Imagine, that there is a server and from the server you can get that data list.
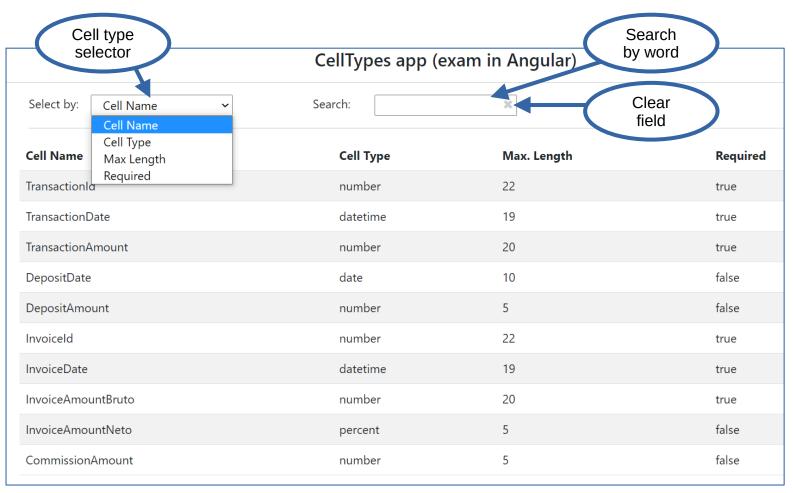
The app description

Functionality
1. Read data.json file into the list (SearchModel[])
2. 3 cell types: string, number, boolean
3. Search by cell type in the selector (Pic. 1)
4. Search by word in the input text (Pic 2)
5. Display selected in browser
6. Convert a merged word into two separate words (like "cellName" into "Cell Name") for the selector
7. Use of Subject and Dependency Injection for communication between components
8. Attached video file "CellTypes app. Exam in Angular.mp4", which demonstrates functionality of the project
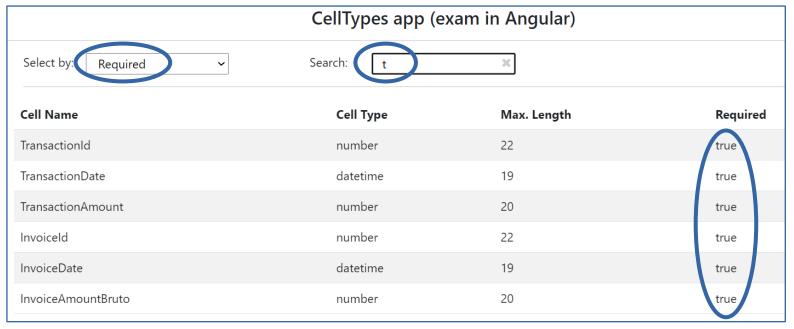
Software and fonts
9. Angular 15.2
10. Bootstrap 5.2.3
11. Awesome fonts: 6.4.0

Structure
12. App component and module
13. Module Data
    13.1.   File data.json
14. Module Services.
    14.1.   Class SearchService
15. Module Models
    15.1.   Class SearchModel
16. Component CellTypes
    16.1.   Class CellTypes
    16.2.   html file
    16.3.   css file

CellTypes app (exam in Angular)

Cell type selector

Search by word

Clear field

Select by: [Cell Name ▼]

Search: [   ] ✖

Cell Name
Cell Type
Max Length
Required

Cell Name	Cell Type	Max. Length	Required
TransactionId	number	22	true
TransactionDate	datetime	19	true
TransactionAmount	number	20	true
DepositDate	date	10	false
DepositAmount	number	5	false
InvoiceId	number	22	true
InvoiceDate	datetime	19	true
InvoiceAmountBruto	number	20	true
InvoiceAmountNeto	percent	5	false
CommissionAmount	number	5	false

Pic. 1

CellTypes app (exam in Angular)

Select by: [Required ▼]

Search: [t   ] ✖

Cell Name	Cell Type	Max. Length	Required
TransactionId	number	22	true
TransactionDate	datetime	19	true
TransactionAmount	number	20	true
InvoiceId	number	22	true
InvoiceDate	datetime	19	true
InvoiceAmountBruto	number	20	true

Pic. 2