

Home Assignment

OVERVIEW

Write reusable questionnaire component based on the following guidelines:

- Questionnaire is being used by clinicians as a treatment or interview decision tree with N level elements.
- Through clinician selection only relevant UI element should be toggled.
- *We recommend leverage 3rd party UI library (Material, Bootstrap, etc.).*
- *Questions to product management or UX designer can be submitted along with the code.*
- *Be creative but make sure you address the requirements.*
- *Once you are done, upload your code to github.com / bitbucket.com (make it public)*

SPECS

1. Use Angular 8 (**Recommended**) with RxJs* or any other framework/library.
2. *Use [State By Service](#) logic.
3. The form data should be generated by the provided Questions.json template., you should use this file as an initial template - add other flags and keys as if needed.
4. Each form field could have different component types (radio, input, dropdown, date)
5. Please provide a unit test.
6. add code documentation to each function, make sure that the functions names are self-explanatory.

Age

Are you using any heart medications ? ☒ ☐

Select medication

Accupril

Aceon (perindopril)

Adalat (nifedipine)

Altace (ramipril)

Apresoline (hydralazine)

Aspirin

Benicar HCT (hydrochlorothiazide and olmesartan)

Brilinta (ticagrelor)

How many times did you tooks Aspirin today?

Did you had any water today? ☒ ☐

Did you drunk more then 1 liter of water today? ☒ ☐

EXTRA POINTS

7. Use Material Design library
8. Customization – allow customize the template to support other ui components.
9. Implement auto save and display user input from server.
10. Use efficient and clean code

TEMPLATE

Questions.json

```
{
  "patientQuestions": [
    {
      "title": "Age",
      "type": "number"
    },
    {
      "title": "Are you using any heart medications ?",
      "type": "radio",
      "childItems": [
        {
          "parentAnswer": "1",
          "title": "Select medication",
          "type": "select",
          "options": [
            "Accupril",
            "Aceon (perindopril)",
            "Adalat (nifedipine)",
            "Altace (ramipril)",
            "Apresoline (hydralazine)",
            "Aspirin",
            "Benicar HCT (hydrochlorothiazide and olmesartan)",
            "Brilinta (ticagrelor)"
          ],
        },
        {
          "parentAnswer": "Aspirin",
```

```
"title": "How many times did you tooks Aspirin today?",  
"type": "number"  
},  
{  
  "title": "Did you had any water today?",  
  "type": "radio",  
  "childItems": [  
    {  
      "parentAnswer": "1",  
      "title": "Did you drunk more then 1 liter of water today?",  
      "type": "radio"  
    }  
  ]  
}  
]  
}  
]  
}  
]  
}
```