

# Home Assignment

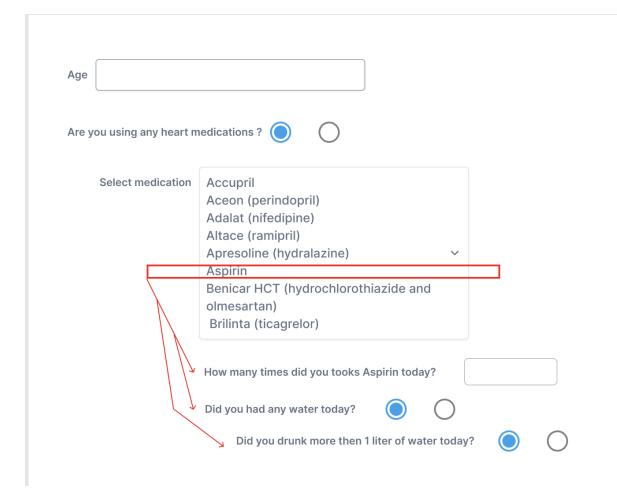
#### **OVERVIEW**

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 selfexplanatory.



## **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)"
      ],
      "childItems": [
         "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"
```