

Task: Tree View

Weight	:	8	Whom for	:	NA	Difficulty	:	Beginner
Importance	:	High	Expected Duration (mins)	:	NA	Level	:	100

Generate a tree view that shows the following list that can be expanded and collapsed. It is a list of the academicians of a certain university and one of it's faculties. Note that the same faculty member has multiple responsibilities.

- [-] Vice Chancellor: Dr. Ahmed
 - [-] Faculty Head: Dr. Farin
 - [-] Department Head: Dr. Mim
 - [-] Professor
 - [-] Dr. Ahmed
 - Vice Chancellor
 - [-] Dr. Farin
 - Faculty Head
 - [-] Dr. Mim
 - Department Head
 - Admission in-charge
 - [-] Associate Professor
 - [-] Dr. Ratan
 - Students' Welfare in-charge
 - Dr. Mason
 - [-] Mr. Samin
 - Students' Welfare in-charge
 - Mr. Rahim
 - [-] Assistant Professor
 - Mr. Tamim
 - Ms. Labiba
 - [-] Mr. Yatin
 - Admission in-charge
 - Ms. Farhana
 - [-] Students' Welfare in-charge
 - Dr. Ratan
 - Mr. Samin
 - [-] Admission in-charge
 - Dr. Mim
 - Mr. Yatin

Instructions

- You must define your JSON structure first which should include child-parent relationships with recursion.
- You must consider the data in flat level not in whole NoSQL format, you should have rows where each item should have {Display, Id, ParentId}
- Use Vanilla Typescript
- Your code must be organized properly.
- No need for unit tests.

Delivery

- PullRequest, Branch: feature/tree-view (ask to merge to `develop`)
- Recording: **[Don't merge two videos, export videos to at least 1080p]**
 - Product Demo(Not coding) : Demonstrate that the product is well achieved and all the actions can be performed. **DON'T explain code in a demonstration video. You will be disqualified.**
 - Coding Walkthrough : Explain the code briefly as per your understanding. Also explain the database design where it is applicable.

Language/Framework

- Javascript. Typescript preferred
- HTML