

Documentation CodingChallenge Virtimo

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1 Preparation

- Download and Install Sencha Ext.js
- Create Project and Discover Framework

2 Challenge

2.1 Budget

Time: 24 hours

2.2 Extjs goals

- Load Data from Json File
- Display Data in Gridview
- Prepare Data for Tree
- Display Data in Treeview

2.3 Load Data from Json File

- employee.json File \Rightarrow Check Datatypes \Rightarrow Array of Arrays(no Keys)
- Adapt employee model to datatypes(string,int,date)
- ajax request from the Store
- Usage of ArrayStore with model to auto create the Keys

2.4 Display Data in Gridview

- Create TableView \Rightarrow Reference it by xtype to MainView
- Reference Employee Data by store type
- Insert columns with dataIndex from Model
- Use renderer function to format date
- Compose Name as first and lastName \Rightarrow !!! To implement!!!

2.5 Prepare Data for Tree

- Create Treestore \Rightarrow Need for root property
- Convert Data into nested Data \Rightarrow creation algorithm in JS (Backend folder) \Rightarrow !!! To implement on the Clientside with Extjs.tools!!!
- Import nested Data as jsonfile company.json
- Import jsonfile \Rightarrow Failed!!! Declaration of companystore in app.js leads to 404 in console \Rightarrow write Data direct in Companystore

2.6 Display Data in Treeview

- Create Treeview Component \Rightarrow Reference it by xtype to MainView
- Reference Company Data by store type
- Insert columns with dataIndex from Model

3 Summary

3.1 To implement

- Compose Name in Gridview
- Transform Data into Nested Data and load it to the Tree-store