Pirum React Front-End Interview Test   Apr-2017

Introduction

In this test your task is to display a list of music albums and songs, using React and Redux.

Specification

- Test data: in the data.json file we provide a static list of songs.
- Each song in the list has 3 attributes: band, album, song
- We expect to see a list of bands and albums with in an expandable/collapsible panel for the songs within the given album (see screenshots on page 2):
    - The expand/collapse button on the individual albums should expand/collapse the list of songs
    - The expand/collapse button on the main Albums title should expand/collapse all the albums
- The main technologies you are expected to use
    - Choice of ajax: to get the list of songs from the server
    - Redux: to store the data
    - React: to display the list
- The supported browsers are: IE11, Firefox, Chrome, the solution expected to work on these. (note: only IE11, no backward compatibility with earlier IE is expected)

The following files are included in the zip file:

public/data.json	Static dataset for the test in json format
public/index.html	Main html page
src/	Empty source directory
package.json	Basic template for npm / yarn
yarn.lock	Empty template for yarn
Pirum React Front-end test.pdf	This file

Expected solution

1. The main purpose of this test is for you to show your ability to design and implement bespoke web sites using React/Redux. We expect a working implementation, not just a screen design.
2. Please use ajax for getting the list of songs from the server, do not just import them.
3. Please use Redux to store the data.
4. Please use React for displaying the list.
5. You're free to use any related library you choose, this test not just about implementation skills but to see your design choices and your ability to create an integrated solution from multiple technologies.

Please send your solution back containing all the files used to provide the solution.
We expect that after running npm/yarn install, we'll see it work.

![pirum]

Screenshots of example screens we're expecting to see. You're free to use any iconset you like, these are here just an example for expand/collapse icons.

Albums ⊞

- Beatles - Abbey Road ➕
- Beatles - Yellow Submarine ➕
- Cat Power - Sun ➕
- Nightwish - Wishmaster ➕
- Thomas J. Bergersen - Sun ➕

Albums ⊟

- Beatles - Abbey Road ➕
- Beatles - Yellow Submarine ➖
  - Yellow Submarine
  - Only a Northern Song
  - Hey Bulldog
  - It's All Too Much
  - All You Need Is Love
  - All Together Now

- Cat Power - Sun ➕
- Nightwish - Wishmaster ➖
  - Bare Grace Misery
  - Wanderlust
  - Deep Silent Complete
  - The Kinslayer
  - Come Cover Me
  - Two for Tragedy
  - She Is My Sin
  - FantasMic
  - Dead Boy's Poem
  - Crownless
  - Wishmaster

- Thomas J. Bergersen - Sun ➕