Code Review: Employee Directory

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Notable Insights and Improvements

1. Separation of Structure,Function, and Design: Originally the application embedded all three of these elements into one file. This removes clarity in your code for any future viewers. To remedy this the project is separated into 3 separate files, *index.html, index.css, and app.js*.
2. Const vs Function: Often in the directory code such as the const getFirstName = (person) => were originally defined as function expressions. While using const with the combination of the arrow function can allow for some clean and quick scripting in internal instances, its rather bad practice to have top level functions that need to be ready at runtime defined as function expressions. The const function expression would throw an error if called before is declaration therefore this has be changed to a function declaration function getFirstName(person).
3. Improve function filterByName(searchForName, personList): Originally the code only allow you to search for a person using solely their first name or last name. In addition to this, a substring of a person’s name would not cause their profile to appear. This code has been improved allowing for the searching of name substrings as well as searching with their full name. Also the search was originally case sensitive, this feature has been removed. function getNameSubString(length,name)used to obtain substrings.
4. Fix const sortByLastName = (personList) =>: Originally the code simply takes a list that is sorted by employees’ first names and reverses it. This is not the proper method of sorting by last name. In order to solve this simply use the same logic used for sort by first name. const sortByLastName = sortObjListByProp('lastName');
5. Add feature \_sortByJob(): Previously the code did not allow for an individual to sort the list based on job title. This feature was added as it could be potentially useful when needing to identify who does what.
6. Update function function sortObjListByProp(prop): While the code was able to sort names appropriately it struggles with job titles as some of them are undefined. This was remedied by returning 1 if a[prop] was defined/b[prop] was undefined and -1 if vice versa.
7. GET request returns undefined image: Some of the employee’s img urls result in undefined images being sent back. In order to fix this a blank\_profile was added to an images folder and is loaded as the profile picture if they are without one.
8. CSS/Styling: The directory lacked eye catching fonts and contained antiquated styling. The project was updated to include modern material design aesthetics with cards as well the inclusion of Willowtree’s core colors.