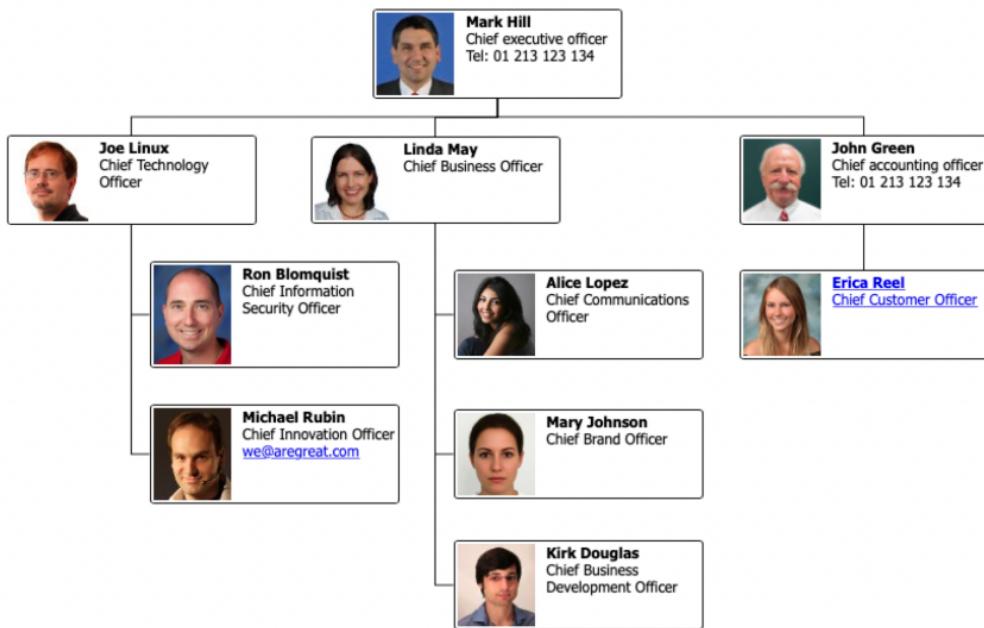


Fullstack Assignment

Build a web application that allows the user to visualize and update an employee organization chart interactively with drag & drop.

Expected Functionality

1. Based on the entire list of employees, generate a tree like chart similar to this:



2. The hierarchy here is based on the Manager ID. So in the above example, Joe Linux's manager ID will be the ID of Mark Hill, Ron Blomquist's manager ID will be the ID of Joe Linux and so on.
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Fullstack Assignment

3. Should be able to drag and drop an employee from one place to another and this should change the manager of the employee (including making the API call to change the manager ID).
4. Eg: in the above screenshot, the manager of Ron Blomquist is Joe Linux. should be able to drag Ron Blomquist and drop under John Green and the manager ID should change to John Green's ID and the chart should re-render & the change should get persisted in DB .

Technical Requirements

Front end

1. You must use a library/framework like React / Vue / Ember / Angular.
2. You can use any 3rd party library for building this functionality. There are no specific restrictions.
3. Try to write your own CSS wherever possible. You can use libraries for specific functionalities but there should be some of your code as well.

Backend

1. You can use Python-Django / Node.js to develop the backend.
 2. Data Model:
 - a. Employee:
 - b. ID
 - c. Name
 - d. Designation
 - e. Team
 - f. Manager - (points to another employee's ID)
 3. Come up with a database table representation and store these details. Use any relational database for this (Postgres / MySQL / SQLite3).
 4. Develop APIs required for implementing this feature.
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