**Code Challenge**

Hey Candidate,

Here is, the Coding Challenge. The purpose of this exercise is for you to demonstrate your abilities to solve problems effectively and efficiently. We designed this project to be open-ended, so you have the freedom to choose the direction you take it. To get started, please follow the instructions listed below.

Best,

**Roman**
Engineering Manager
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## Purpose

The purpose of this exercise is for you to demonstrate your ability to create a performant React application that both matches a mock (shown above) in features and functionality. We use this challenge to better understand your coding abilities and determine if you would be a good fit for an in-person interview.

## What we're looking for

- Proficiency in leveraging existing technologies to create a responsive application.
- Ability to use CSS, HTML, and Javascript to match a mock design.
- Logical code architecture and choice of frameworks (within the context of React).

## Challenge

Create a React app that takes the user input with a form and then displays the results in a table. It should meet the following requirements.

- Clicking the +Add button should open a modal window.
- The form should be filled out and submitted from the modal window.
- Upon submission, the table should update itself without needing to reload the page.
- The form & table should have the following fields:
    - First Name
    - Last Name
    - Date of Birth
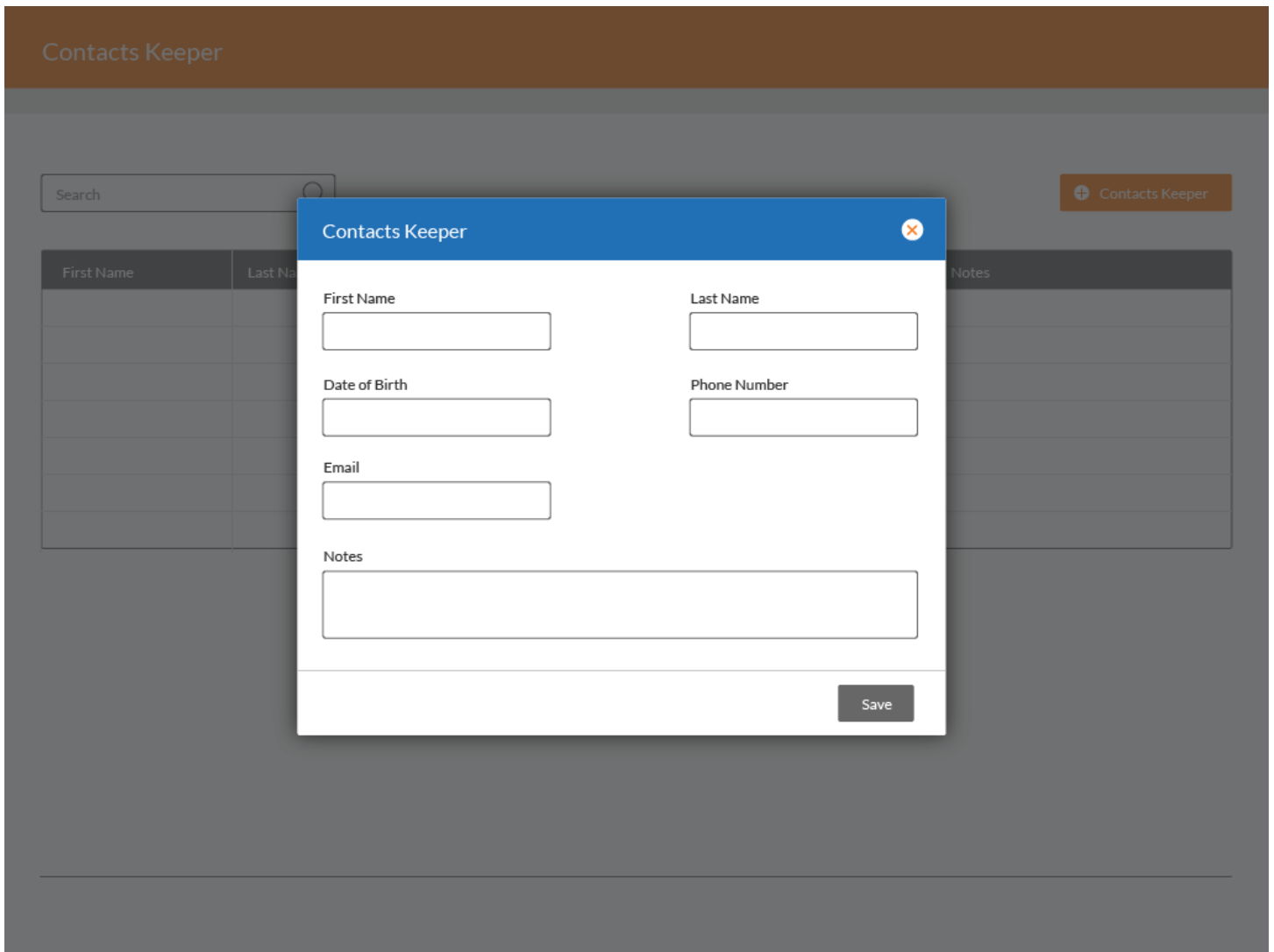    - Phone Number
    - Address
    - Notes

## Application Mock

## Contacts Keeper

Search  🔍

⊕ Contacts Keeper

| First Name | Last Name | Date of Birth | Phone | Email | Notes |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
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**Modal Mock**

## Contacts Keeper

**Contacts Keeper** ✕

First Name

Last Name

Date of Birth

Phone Number

Email

Notes

Save

## Bonus Points

These are not required, but would be great additions if time permits.

- Implement a method to persist the created data.
- Full-Test Coverage
- Filter the Table Results from the Search
- Add Sortable Columns to the table
- Suggested Technologies (Webpack, React, Redux, React-Router)

## Getting Started

To begin this challenge, please do the following:

1. Code!
2. Push to a private git repo. (There are free private repos at BitBucket or if you're already paying for a Github subscription, that works too.)
3. Share the repo with (Github/Bitbucket).
4. Deploy the app to Heroku.

## FAQ's

Not all of the images & icons were included, what should I do?

- Any missing assets can be improvised.

The challenge requirements seem vague, am I missing something?

- This prompt is designed to be open-ended, so feel free to be creative in the areas that lack strict guidelines.