I am a IT support company. Our company provides software licenses, subscription licenses, hardware maintenance contracts, and support contracts to customers. All customers are companies. I want to create a web app to track all the licenses and contracts above. This app will be used internally in my company.

Below are basic requirements in developing the app

**Functionalities**

* Simple, no fancy or fancy graphic
* Use JS and NodeJS related for app framework
* Use PostgresSQL as database
* Simple login page with username and password, no 2FA is required
* Email alert capability using free email service likes gmail or others
* Email will sent out based on the Notification Settings
* **Customer tab**
  + Create / Edit / Delete customer
  + Customer attributes
    - Customer Company Name
    - Contact person 1
    - Phone 1
    - Email 1
    - Contact person 2
    - Phone 2
    - Email 2
* **Vendor tab**
  + Create / Edit / Delete customer
  + Vendor attributes
    - Vendor company name
    - Contact person 1
    - Phone 1
    - Email 1
    - Contact person 2
    - Phone 2
    - Email 2
* **Contracts and Software Licenses Tab**
  + Create / Edit / Delete Contract or Software License
  + Contract and Software license attributes
    - Tile
    - Customer Name (select from drop down menu listed from Customer Name)
    - Description
    - Contract No
    - Start Date (select from calendar)
    - End Date (select from calendar)
    - Hyperlink
    - Licenses amount
    - Price
    - Created by
    - Select Vendor Name (drop down menu selected from Vendor Name)
    - Status (drop down menu with Active or Disable)
* **Main Dashboard**
  + Show all Contract and Software License
    - A “Setup Columns” for user to select column to show
    - A Search Field
      * Search by Customer name
      * Search by Vendor name
      * Search by Contract Start Date
      * Search by Contract End Date
    - A small drop down menu for user to select to view 10, 20, 50 or All contract and software license
    - Page Body
      * Display List of Contracts and Software Licenses in table style format
        + Table Column

Status

“Active” if contract or software has not yet reached the end date

“Expired” if contract or software has reached the end date

Other Columns which are selected from the “Setup Columns”

Edit button at the end of the table

If clicked, bring the user to the selected Contracts and Software Licenses

User can edit the detail of each field

“Save” and “Delete” button at the end of the page

If “Delete”, app will pop up for user to confirm

* **Settings Tab**
  + Create / Edit / Delete users
    - Name
    - Lastname
    - Title
    - Phone
    - Email
    - Create Password
      * Confirm Password
    - Change Password
      * Confirm Password
  + Notification
    - Select Criteria for email notification
      * Days before End date
        + Default is 30 days, and user can change
      * Include (Checkbox) for Contract and Software license with status
        + Active
        + Disable
      * Email alert time : select time HH:MM for app to send email