Home Assignment #3

Contact Manager

CSCI 313 – Cole Gartner

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# Design

## Component List

### Navigation

* Controls what is in view and will switch between the list component or the new contact component.
* Parents: None.
* Children: Contact List, New Contact.
* No inputs or outputs.

### Contact List

* Will display all the contacts in the database with all their relevant information.
* Parents: Navigation.
* Children: Edit Contact.
* No inputs or outputs.

### Add New Contact

* Will create and add a new contact to the database with the given information.
* Parents: Navigation.
* Children: None.
* No inputs, but an output of contact type.

### Edit Contact

* Will show input slots for the user to define what they want to edit the selected contacts information to.
* Parents: Contact List.
* Children: None
* An input of contact type, and an output of contact type.

# Data Usage

## Services

### Contact Service

Used to modify the CONTACTS json list inside of contactsdb.ts. Has many different functions that can be called in components to change the information uniformly across the application.

## Data Binding

### ngModel

The ngModel two-way data binding is used in new-contact and edit contact. It is used to bind the input tag to contact information.

### Input Binding

This is only used once in application to bind a contact input to the edit contact component.

### Event Binding

Event binding is used a couple times in the application in differing ways. There are a few instances where it is used to bind buttons click event to a function. There also exists some output binding to bind components outputs to functions of a parent component.

# Enhancements

## Styling

There are many different styling techniques I employed to make the application look professional and easy to use for the end user. I went for a black and white aesthetic across the application.

## Features

### Friend

My application has a feature where during editing or creating a new contact, there is a new option to add a friend. This feature comes with an input text area that can be edited with a name, or you can choose from a drop-down menu that lists all the contacts in the database to choose from.