**Documentation**

Mobile Number Validation:

Customers:

* List all customers available
* Delete button next to each customer

Create New Customer:

* Name input that can take both letters and numbers
* Address input that can take both letters and numbers
* Mobile input that will only take numbers( will not let letter input by user)

After pressing create button:

* If one of the three inputs is missing, then an error in red will appear asking the user to fill out all the fields
* Else, if all the inputs are filled with data, then a new customer will be created, a popup will appear saying ‘Customer Created Successfully’, and the customer list will be updated with the new customer automatically, without the need to refresh the page.

Update and Delete:

After pressing delete button:

* If the ID input field is empty, then an error message will appear next to the ID input asking the user to dull the ID field.
* If the ID input is not empty, then we have two cases:
  + If the entered ID is invalid, then an error will appear next to the ID input asking the user to enter a valid ID
  + Else, if the entered ID is valid, the customer holding the entered ID will be deleted, a popup will appear saying ‘Customer Deleted Successfully’, and this customer will be removed from the customers list automatically, without the need to refresh the page.

After pressing update button:

* If the one of the input fields is empty, then an error message will appear asking the user to fill out all the fields
* If the inputs are not empty, then we have two cases:
  + If the entered ID is invalid, then an error will appear next to the ID input asking the user to enter a valid ID
  + Else, if the entered ID is valid, the customer holding the entered ID will be updated with the new data entered in the Name, Address, and Mobile fields, a popup will appear saying ‘Customer Updated Successfully’, and the customer will be updated in the customers list automatically, without the need to refresh the page.

**Improvements**

* The user should not be able to create 2 customers with the same name + mobile number
* Validation on customer id for update and deletion should be done on the data not the id form
* A lot more automated test cases can be added, example; update of each field
* Empty the fields of the inputs after a successful action(create, update, or delete), for better UI and UX