Name: Sam Goldberg

Project Title: "Remember Me?"

Description: "Remember Me?" is an interactive contact list that helps users manage their social lives while avoiding uncomfortable situations due to forgetfulness. Users are able to see their contacts in an easy to use GUI that enables them to sort, add, and remove contacts.

Class Summary

Type	**Name of Type**	**Parameters**	**Description/purpose of type**
Class	Contact		Holds the following information for a contact Fields: Name, Phone Number, Date of Birth, Friends, Mutual Friends, Photo, School, Major, Work, Notes, Close Friends (boolean), origin
Class	ContactDeep extends VBox		A VBox that displays all information from a Contact Field Contact
Class	ContactShallow extends VBox		A VBox that displays Name, photo, and Phone Number from a Contact Field: Contact
Class	Main extends		Controls the JavaFX

	Application		graphics
			start(), main()

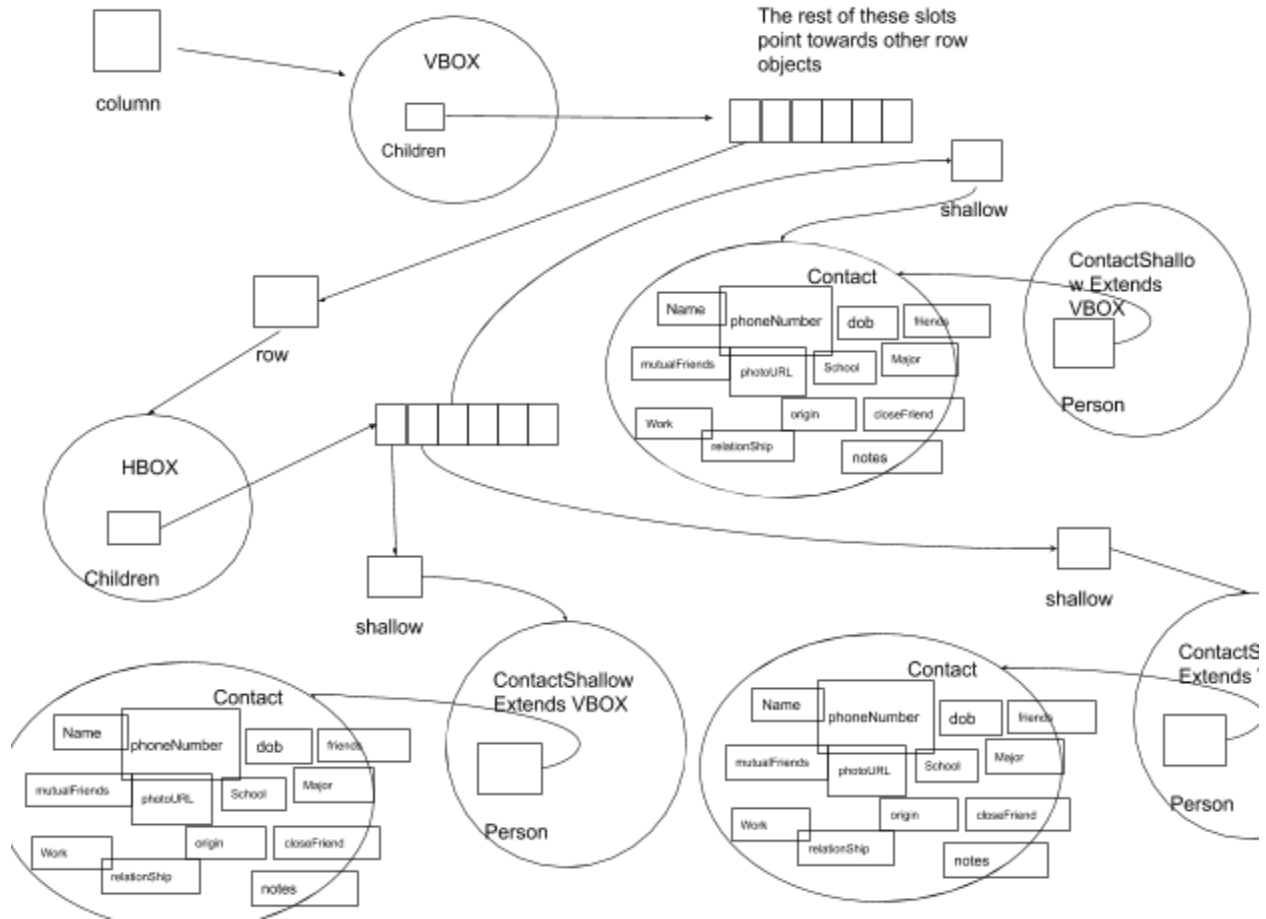**Class Diagrams**

Contact
name: String- holds the name of this Contact **phoneNumber**: String- holds the phone number of this Contact **dob**: Date - holds the date of birth of this Contact **friends:** Arraylist\<Contact\> - a list that holds all of this Contact's friends **mutualFriends:** Arraylist\<Contact\> - a list that holds this Contact and the User's mutual friends **photoURL:** String - holds the URL to this Contact's photo **school:** String- holds the name of the school that this Contact attends **major:** String- holds a String with this Contact's college major **work:** String of where this Contact works Relationship: represents type of relationship (family, acquaintance, friend, mutual friends) **closeFriend:** Boolean value of whether this Contact is a close friend of the User notes: String that takes any other notes on this person **origin:** String that represents where this person is from
public Contact(String name, String phoneNumber, Date dob, Arraylist\<Contact\> friends, Arraylist\<Contact\> mutualFriends, String photoURL, String school, String major, String work, Boolean closeFriend) - the constructor that takes all field arguments to import existing Contacts from the input file or to create new Contacts public Contact(String name) - a basic constructor that sets the name, and sets everything else to null public Contact(String name, String photoURL, String phoneNumber) - the constructor that sets all of the required fields for the shallowContact, and sets all of the other fields to null   Getters and setters

ContactDeep extends VBox
person: the contact that contains the information that the VBox will contain
public ContactDeep(Contact person) - the constructor that takes a Contact as an argument to create a VBox layout

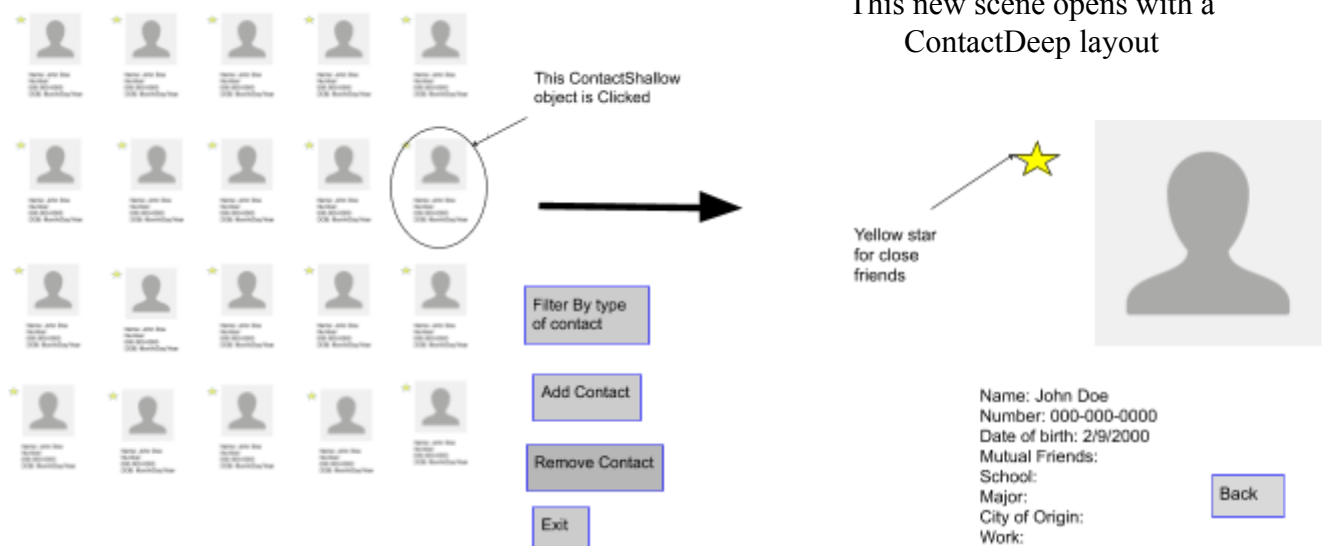| ContactShallow extends VBox |
| --- |
| person: the contact that contains the information that the VBox will contain |
| public ContactDeep(Contact person) - the constructor that takes a Contact as an argument to create a VBox layout |

Main
Start(Stage pStage) - the method that will hold all of the GUI information Public static void main(String[] args)

Object Diagram

column

VBOX

Children

The rest of these slots point towards other row objects

shallow

ContactShallow Extends VBOX

Contact

Name | phoneNumber | dob | friends
mutualFriends | photoURL | School | Major
Work | origin | closeFriend
relationShip | notes

Person

row

HBOX

Children

shallow

ContactShallow Extends VBOX

Contact

Name | phoneNumber | dob | friends
mutualFriends | photoURL | School | Major
Work | origin | closeFriend
relationShip | notes

Person

shallow

ContactS Extends

Contact

Name | phoneNumber | dob | friends
mutualFriends | photoURL | School | Major
Work | origin | closeFriend
relationShip | notes

Person

GUI Layout Sketch

This ContactShallow object is Clicked

Filter By type of contact

Add Contact

Remove Contact

Exit

This new scene opens with a ContactDeep layout

Yellow star for close friends

Name: John Doe
Number: 000-000-0000
Date of birth: 2/9/2000
Mutual Friends:
School:
Major:
City of Origin:
Work:

Back