

CONTACTS MANAGEMENT DOCUMENTATION

Group 2 Project Documentation (TP2)

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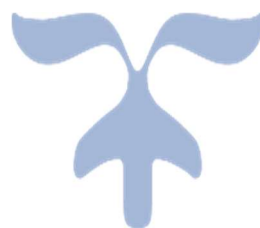


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Contacts Management

A.

Problem statement:

Keeping track of one's contacts is a significant challenge. People are exposed to an unmanageable number of potential contacts, ranging from potential clients to extended family members, and managing that amount of data has proven to be a more difficult task than it appears. People struggle to remember the names and contact information of people they interact with on a regular basis. Users also face difficulties in securely storing, updating, deleting, and managing contacts.

Project description

A Desktop application that maintains a list of names and addresses and performs actions on the list

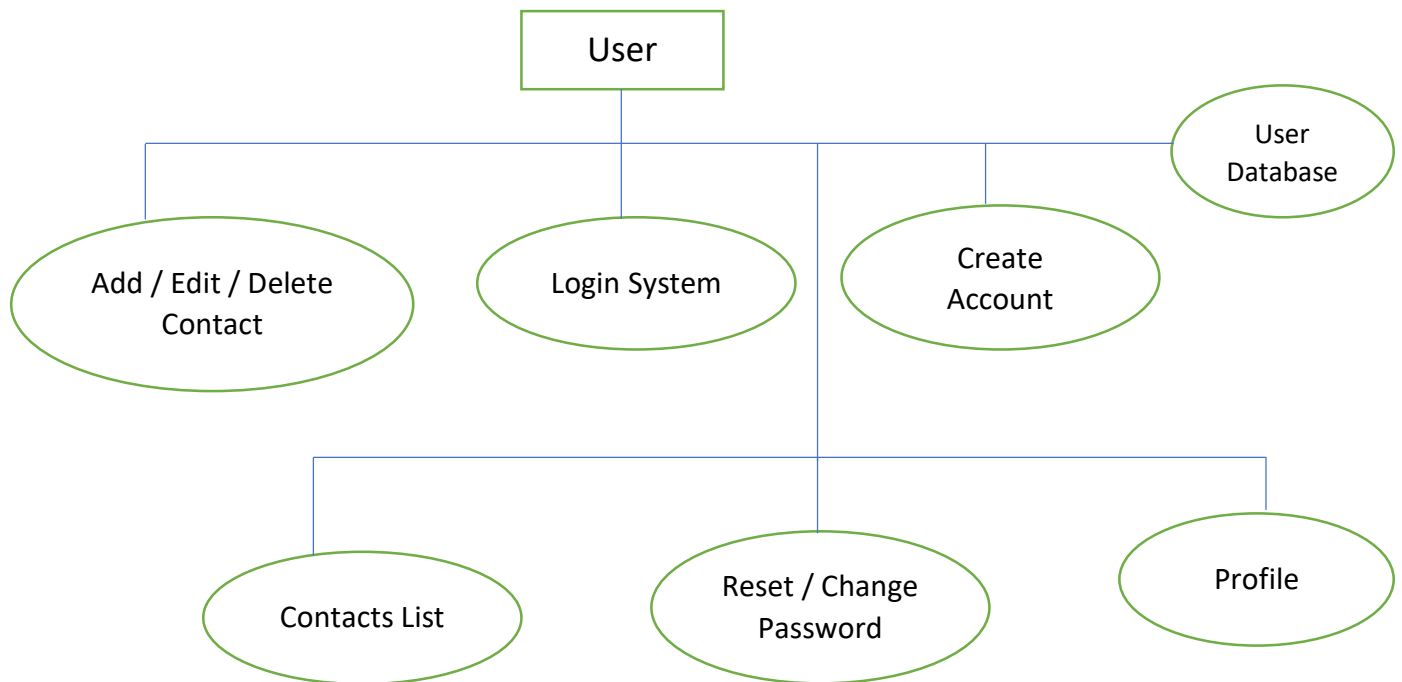
Some of the software development concepts that this project will utilize

- 1) Object orient concepts include (Encapsulation, Polymorphism, Inheritance, Abstraction, Interfaces, Overloading and Overriding)
- 2) NetBeans (IDE)
- 3) Maven and Gradle dependencies
- 4) MySQL Database
- 5) N-layer design for separation of code into logically related packages

B. Requirements

Type	
User / Stakeholder	<ul style="list-style-type: none">• Create account• Upload profile picture• Login into account• Manage profile (change details)• Add new contact into contacts list (Name, Surname, Select Group, Phone, Email, Address, Picture)• Edit contact details• Delete contact from contacts list• View contact• Sort & Search contacts on contacts list by (First Name, Last Name, Cellphone, Email, etc...) both in Ascending & Descending order
Functional	<ul style="list-style-type: none">• Display contacts list in a table• Allow sorting of contacts• Change & Reset Password
Non-Functional	<ul style="list-style-type: none">• Allow non maximum of contacts list• Require minimum of 8 characters on password length
Implementation / Transition	<ul style="list-style-type: none">• Must run on all Java platforms including 64-bit versions

D. System Architecture



E. Classes

- Signup
- Login
- Contacts
- Contact
- ContactQuery
- Profile
- Details
- Database
- ResetPassword
- Image
- TableModel

Comparing field study with research

Our field data pointed to a significant, but currently unexplored, issue: Contact Management.

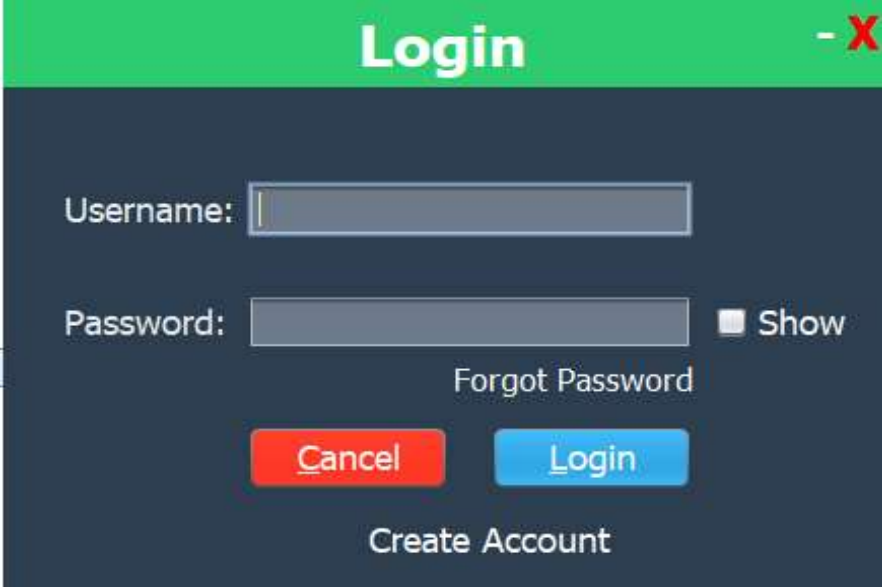
People are subjected to a large number of potential contacts, but the burdensome nature of Data entry requires them to be cautious about who they add to their contact list. Despite this, people have a large number of contacts with whom they must communicate, manage, but end up using a variety of impromptu tools to accomplish this (writing on a piece of paper)

Interviewees had a number of contacts they needed to manage. The number of contacts they needed to save varied from an only a few contacts well into the hundreds. We needed to make sure that the system is able to store, process, update, delete multiple contacts.

Consistent with the interview data, people are exposed to a large number of contacts (859 on average), only a few of whom they judge as important. This supports the idea that people are exposed to many more contacts than they want to keep in touch with. This in turn suggests that contact selection is an important process

- Interviews conducted at Potsdam residence

1. Login Page



The Login page features a green header with the title "Login" and a close button (X). The main area is dark blue and contains input fields for "Username:" and "Password:". A "Show" toggle is next to the password field. Below the password field is a "Forgot Password" link. At the bottom, there are "Cancel" and "Login" buttons, and a "Create Account" link.

Login - X

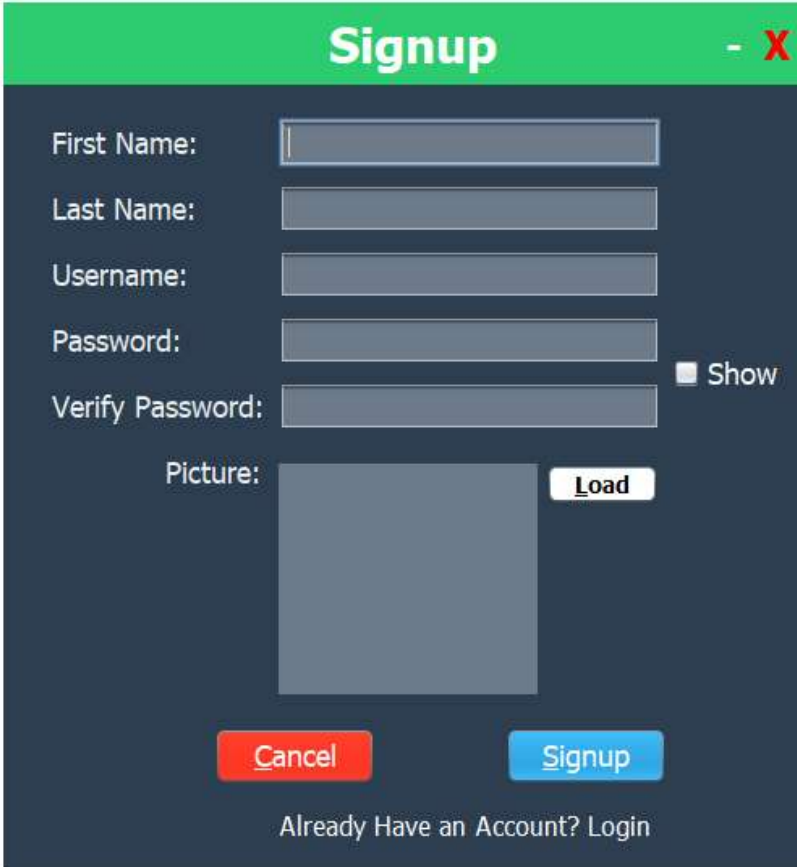
Username:

Password: ☐ Show

[Forgot Password](#)

[Create Account](#)

2. Signup Page



The Signup page features a green header with the title "Signup" and a close button (X). The main area is dark blue and contains input fields for "First Name:", "Last Name:", "Username:", "Password:", and "Verify Password:". A "Show" toggle is next to the password field. Below the password fields is a "Picture:" label, a large image placeholder, and a "Load" button. At the bottom, there are "Cancel" and "Signup" buttons, and a link "Already Have an Account? Login".

Signup - X

First Name:

Last Name:

Username:

Password: ☐ Show

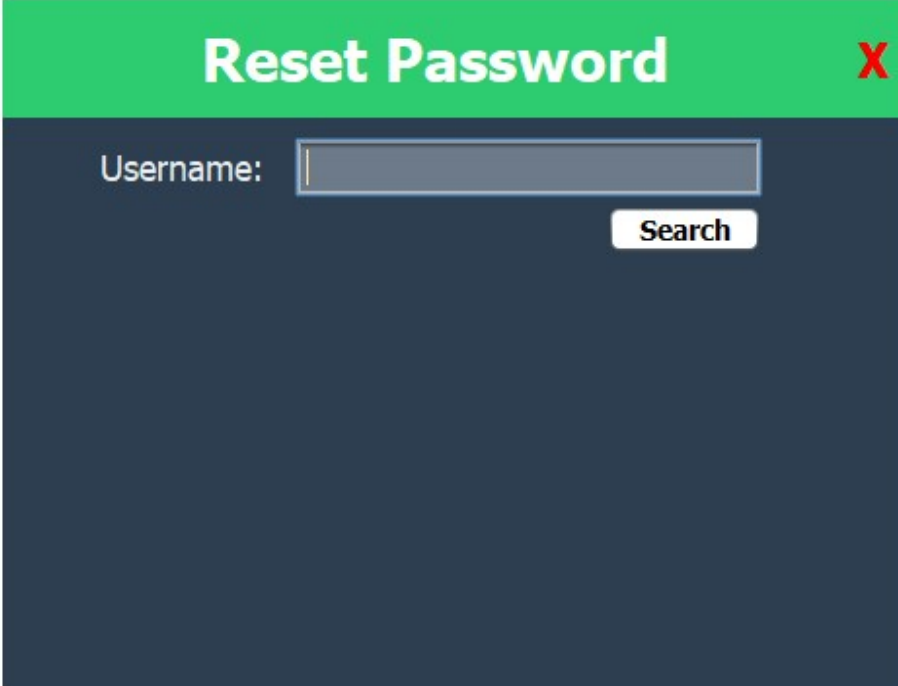
Verify Password:

Picture:

[Already Have an Account? Login](#)


3. Forgotten Password Page

(Before Finding Username)




The image shows a web form titled "Reset Password" with a green header bar containing the title and a red "X" icon. The main area has a dark blue background. It features a "Username:" label followed by a text input field. To the right of the input field is a "Search" button. The form is currently empty, indicating the user has not yet entered a username.

(After Finding Username)



The image shows the same "Reset Password" form, but now it includes additional fields. Below the "Search" button, there is a section enclosed in a thin yellow border. This section contains two text input fields: "New Password:" and "Verify Password:". To the right of these fields is a "Show" button with a small square icon. At the bottom of this section is a red button labeled "Reset Password". The "Username:" field and "Search" button remain at the top.

4. Contacts Page

**Aram Mojtabai**

My Contacts - X

First Name:

Last Name:

Phone:


Email:

Group:

Search By:

Profile Picture:

Address:

ID	First Name	Last Name	Group	Phone	Email	Address	Image
1	Raymond	Reddington	Friend	0725594105	reddington@gmail.c...	13 Majuba AveMam...	
2	Elizabeth	Keen	Friend	0645521041	lizzy@gmail.com	5 Hellen StrEmahl...	
3	Samar	Navabi	Family	0665541874	samar@gmail.com	10 St Luke RdSout...	

5. Profile Page

Profile

First Name:

Last Name:

Picture:



Load

Update Details

Password Change

New Password:

Verify Password:

Show

Change Password