



CSC 2920 Software Engineering Project



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Presentation Outline

- Project Overview/Statement
- Use Cases
- Functional requirements
- Non-functional requirements
- GUI Design
- Sequence Diagram
- Class Diagram

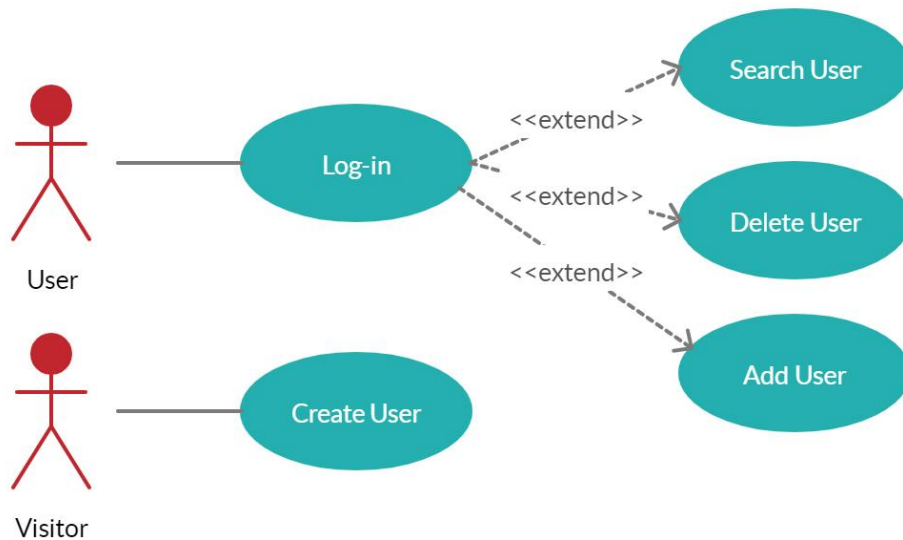


Project Overview/Statement

We are developing a contact list that validates whether or not a contact has been submitted using the correct format. We will also provide the same parameters concerning name and email format.

Contact lists need a way to validate that a name and email have been given in the correct format, because the submitted data must be able to work successfully with the client's application.


Use Cases



Use Cases

Use Case name:	Create User
Participating Actors	Initiating by a visitor
Flow of Events	<ol style="list-style-type: none">1) The visitor input valid new user information2) The visitor clicks the Create button3) A new user account is written to a .CSV file and notified if successful.
Entry Conditions	The visitor must click the create button
Exit Conditions	The user will be notified if a new user has been created.

Use Cases

Use case name:	Add User.
Participating actors	Initiated by the user
Flow of events	<ol style="list-style-type: none">1) The user inputs the required information in all text fields.2) The system validates the required information is in the correct format.3) The system displays text notifying the user that text is an invalid format.4) The user's information is added to a.CSV file.
Entry conditions	The user must be logged in and the add button must be clicked.
Exit conditions	The user has been notified by the system that all conditions have been met. 

Use Cases

Use case name	Delete user
Participating actors	Initiated by the user
Flow of events	<ol style="list-style-type: none">1) The user searches for a user by inserting his/her name.2) The system finds the user on a.CSV file.3) The user clicks the delete button.4) The system deletes the user.
Entry conditions	The user must be logged in, the user must input a valid name, then click the search button, then the delete button.
Exit conditions	The system must notify the admin to know that the user has been successfully deleted.

Use Cases

Use case name	Search for User
Participating actors	Initiated by the user
Flow of events	<ol style="list-style-type: none">1) The user gives input for the name and email.2) The user clicks the search button.3) The system finds the user on.CSV file.4) The system notifies the user that the user has or has not been found.
Entry conditions	The user must be logged in and the search button must be clicked.
Exit conditions	The system notifies the user that the user has been found.



Functional requirements

Create-Contact

Input: Details of the new contact information.

Action: Displays a form to be filled in by the owner and records contact information like name and email.

Output: Creates a new contact bar with the given information and adds it to the contact list.



Functional requirements

Search-Contact

Input: Name of the contact searched for.

Action: Displays a list of possible contacts while the user types the search keywords in the search bar.

Output: Displays existing details of the selected contact.

Functional requirements

Delete-Contact

Input:

- Name of the contact searched for.
- Details of the searched contact information obtained from the result set.

Action: Prompts the user when he/she wants has deleted that contact..

Output: Updates the contact bar with the newly updated information.



Non-functional requirements

Performance Requirements

- The system shall accommodate 1 terabyte without fault.
- Responses to view information shall take no longer than 5 seconds to appear on the screen.

Safety Requirements

- System use shall not cause any harm to human users.

Non-functional requirements

Security Requirements

- System will validate passwords with boolean method.
- Users should not be able to log in without having or creating an account.

Error Handling

- The Contact List shall handle all expected and unexpected errors in ways that prevent loss in information and a long downtime period. For example, if the user has issues logging in, creating an account, searching user, deleting from the contact list, or logging off.



GUI Design



Username

Password

Log In

Create Account

Username

Password

Verify Password

Create

Features Available



Save New Contacts



Add Email Address



Easy Access



GUI Design



+ Create Contact

✕ Delete Contact

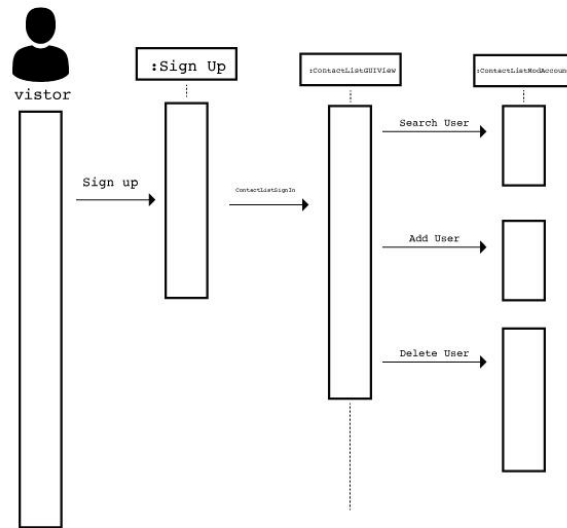
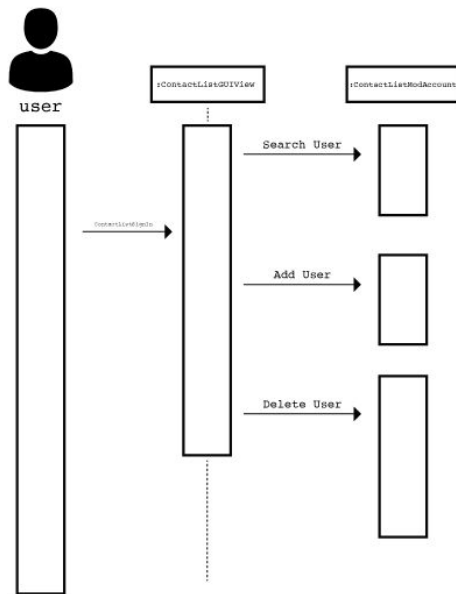
Name

Brave Mail

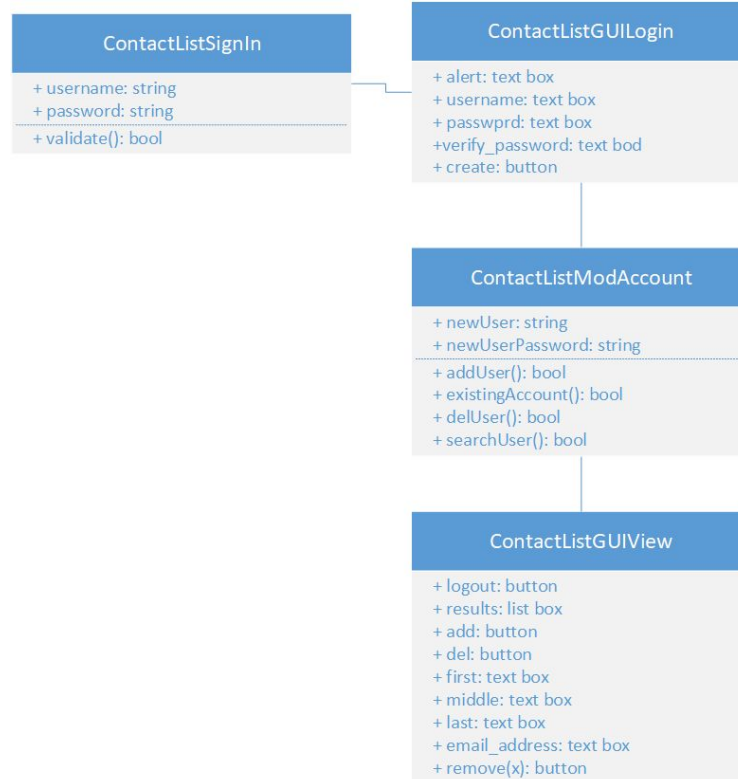
Search

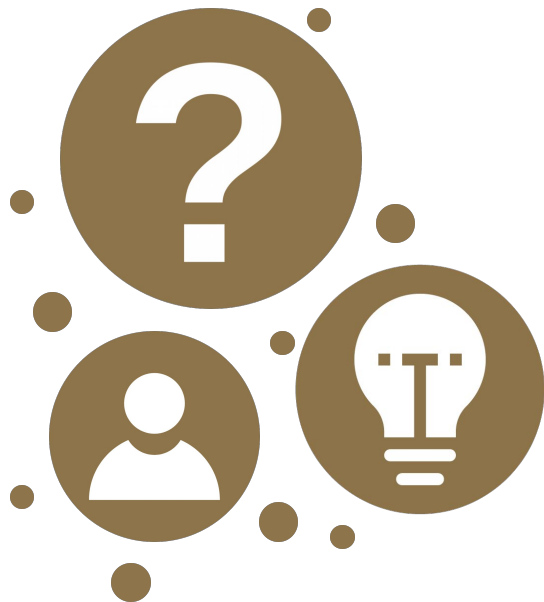
Log off

Sequence Diagram



Class Diagram





Questions?
Comments?
Concerns?