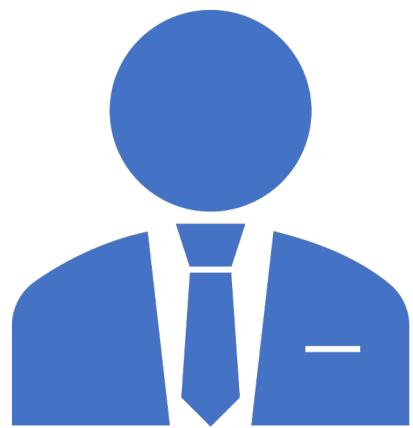




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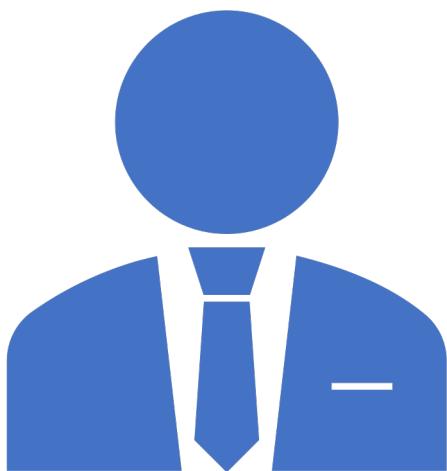
Employability Delivered

AddressBook System



START

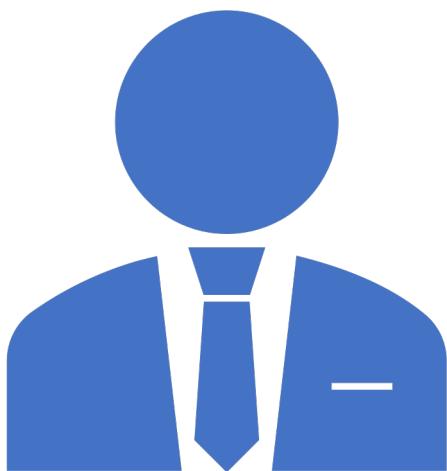
Start with Displaying
Welcome to Address Book
Program in
AddressBookMain class on
Master Branch



UC 1

Ability to create a Contacts in Address Book with first and last names, address, city, state, zip, phone number and email...

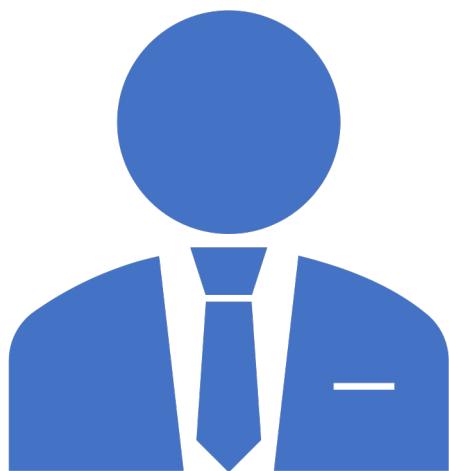
- Program is written using IDE like IntelliJ
- Every UC is in a separate Git Branch and then merged with main
- Naming Convention, Indentation, etc Code Hygiene will be checked during Review
- Git Check In Comments and Version History will be monitored



UC 2

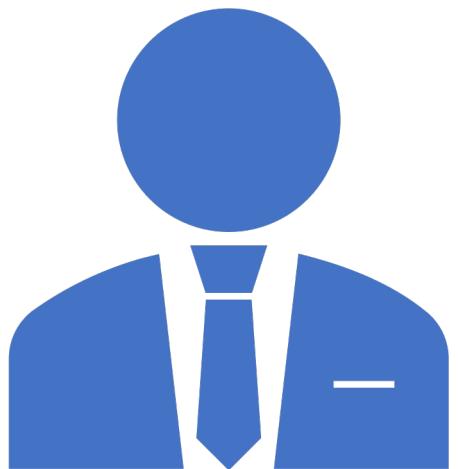
Ability to add a new Contact to Address Book

- Use Console to add person details from AddressBookMain class
- Use Object Oriented Concepts to manage relationship between AddressBook and Contact Person



Ability to edit
existing contact
person using their
name

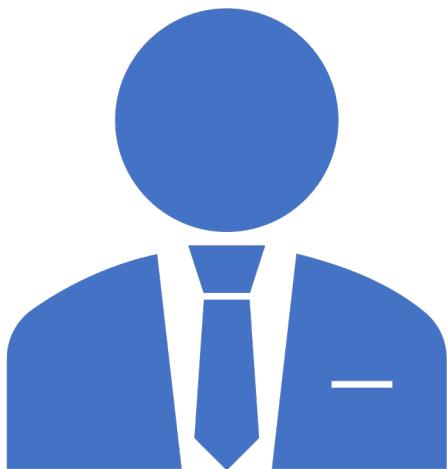
- Use Console to edit person details



UC 4

**Ability to delete a
person using
person's name**

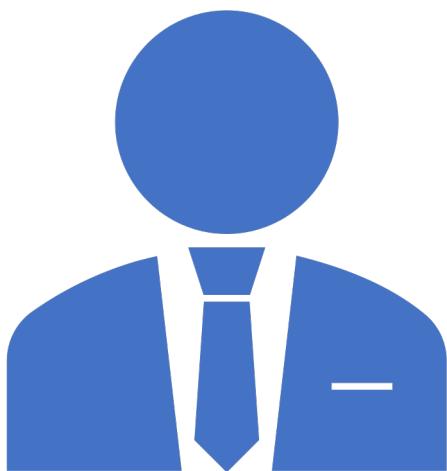
- Use Console to delete a person



UC 5

Ability to add multiple person to Address Book

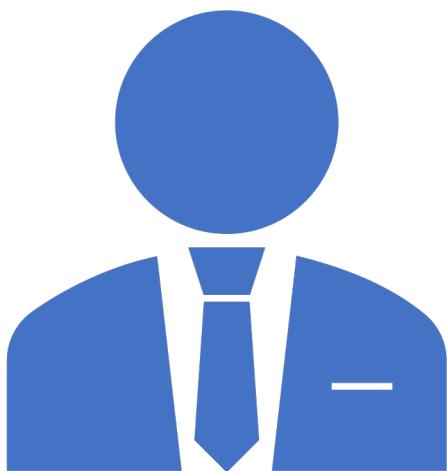
- Use Console to add person details one at a time
- Use Collection Class to maintain multiple contact persons in Address Book



UC 6

Refactor to add multiple Address Book to the System. Each Address Book has a unique Name

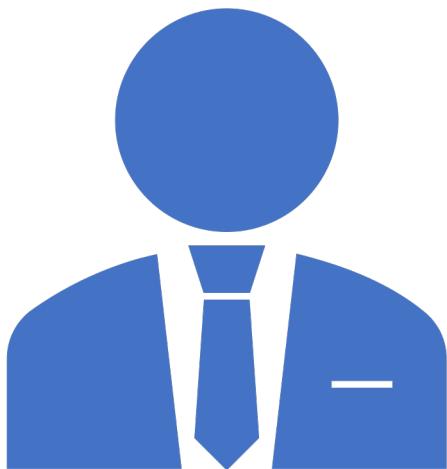
- Use Console to add new Address Book
- Maintain Dictionary of Address Book Name to Address Book



UC 7

Ability to ensure there is no Duplicate Entry of the same Person in a particular Address Book

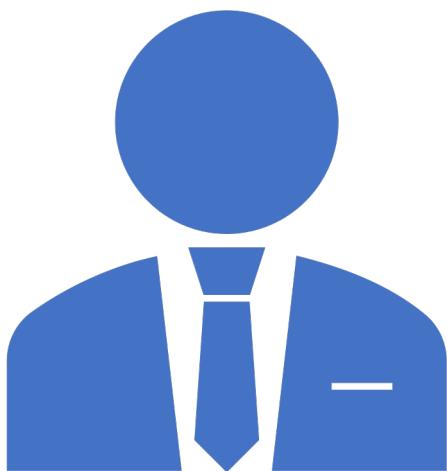
- Duplicate Check is done on Person Name while adding person to Address Book.
- Use Collection Methods to Search Person by Name for Duplicate Entry
- Override **equals** method to check for Duplicate
- Use Java Streams



UC 8

Ability to search Person in a City or State across the multiple AddressBook

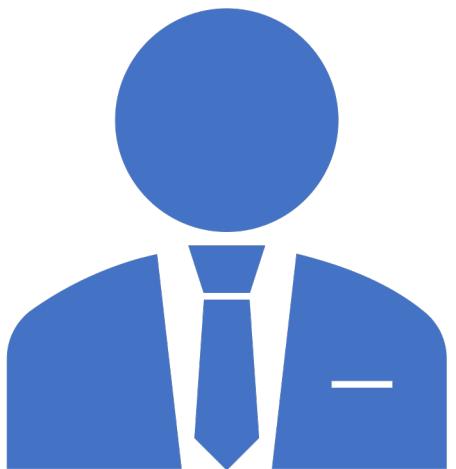
- Search Result can show multiple person in the city or state
- Use Java Streams



UC 9

Ability to view Persons by City or State

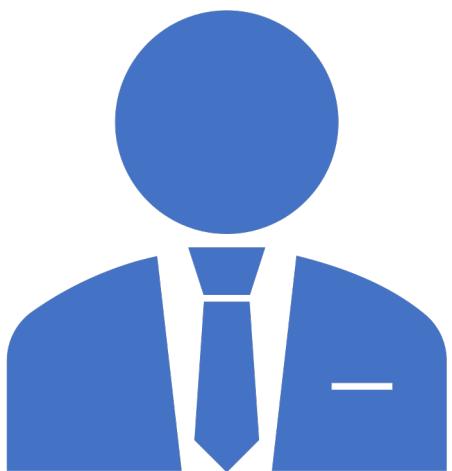
- Maintain Dictionary of City and Person as well as State and Person
- Use Collection Library to maintain Dictionary
- Use Java Streams



UC 10

Ability to get number
of contact persons i.e.
count by City or State

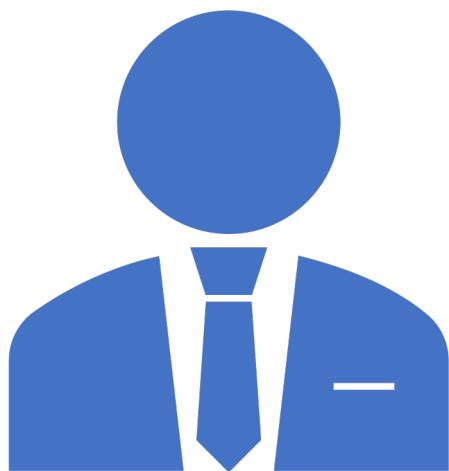
- Search Result will show count by city and by state
- Use Java Streams



UC 11

Ability to sort the entries in the address book alphabetically by Person's name

- Use Console to sort person details by name
- Use Collection Library for Sorting
- Override **toString** method to finally Print Person Entry in Concole
- Use Java Streams



UC 12

**Ability to sort the entries in
the address book by City,
State, or Zip**

- Write functions to sort person by City, State or Zip
- Use Collection Library for Sorting
- Use Java Streams



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Thank
You