

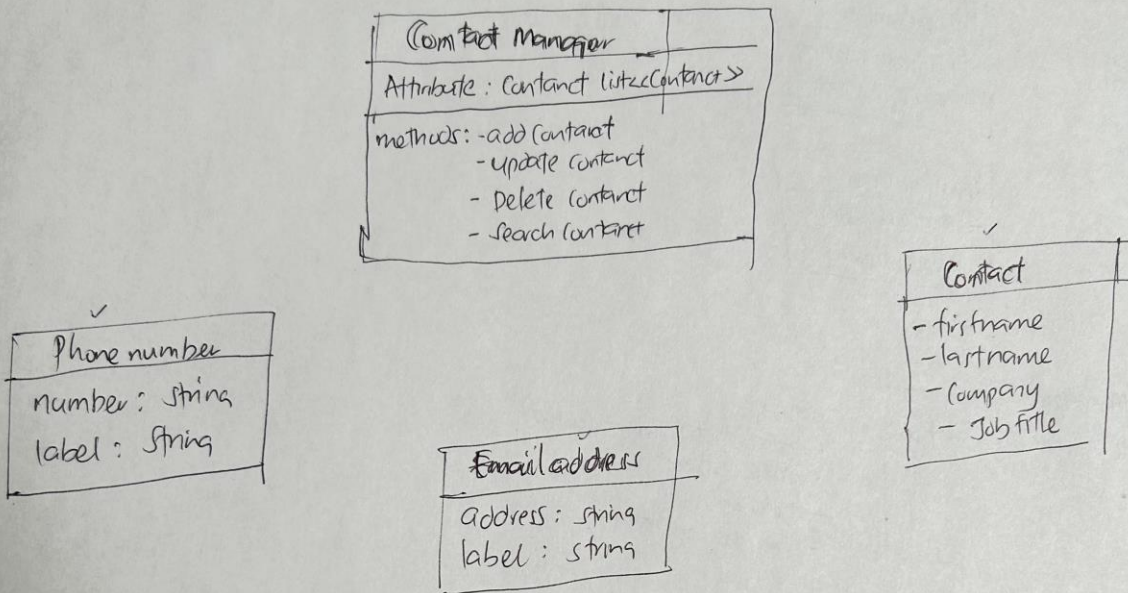
Task 1.1) The functional requirements of a system

- 1) Add new contact
- 2) Delete contact,
- 3) Update a contact
- 4) Merge the duplicate of contacts
- 5) search contact

UML Diagram in the picture

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### UML Diagram



The screenshot shows an IDE with the following project structure:

- Quiz1 (D:\Quiz1)
  - idea
  - mvn
    - wrapper
  - src
    - main
      - java
        - com.example.quiz1
          - Quiz1Application
    - test
    - gitignore
    - HELP.md
    - mvnw
    - mvnw.cmd
    - pom.xml
    - External Libraries
    - Scratches and Consoles

The main editor shows the `Quiz1Application.java` file with the following code:

```
1 package com.example.quiz1;
2 import com.example.model.Contact;
3 import com.example.model.EmailAddress;
4 import com.example.model.PhoneNumber;
5 import com.fasterxml.jackson.databind.ObjectMapper;
6
7 import java.util.ArrayList;
8 import java.util.Collections;
9 import java.util.List;
10
11 import model.Contact;
12 import model.Email_Address;
13 import model.Phone_Number;
14 import org.springframework.boot.SpringApplication;
15 import org.springframework.boot.autoconfigure.SpringBootApplication;
16
17 new *
18 @SpringBootApplication
19 public class Quiz1Application {
20
21     new *
22     public static void main(String[] args) {
23         List<Contact> contacts = new ArrayList<>();
```