

# Phone Simulator Application Development

ELF / HTD Training Programs  
Java Full Stack - Use Cases

# App Development Assessment Overview

As part of this assessment you need to develop a console based application i.e. application which will not have any GUI but has a main method which takes input from console, which simulates “Calling feature of phone”. As part of this assessment you need to use

- Collection to store the Data
- Core Java to develop Console Based application
- Collection to perform CURD operation on Data

## App Development – Assessment Description

1. Create Set with ContactList to store all the contacts
2. Create a Class name “Contact” with the following structure (name should be unique)

Name	String
Number	Long
Group	String

3. Create a java program which has main method which prints the following options  
Press 1 to Show all contacts  
Press 2 to Search for contact (using name)  
Press 3 to Operate on contact

If user press 1 list all the contact names

If user press 2 get the name from the console and display it with all contact information and print these options

Press 1 to call

Press 2 to message

Press 3 to go back to main menu

- a. If user press 1 display calling the contact and give the option to end call
- b. If user press 2 get the message from user and show sending the message
- c. If user press 3 go back to the main menu

If user press 3 print these options

Press 1 to add contact

Press 2 to delete contact

Press 3 to edit contact