



ft\_hangouts

The Grand Ambassador

*Summary: This project is designed to help you become familiar with mobile systems.  
You will be creating a contact management application.*

*Version: 4*

# Contents

<b>I</b>	<b>Preamble</b>	<b>2</b>
<b>II</b>	<b>Introduction</b>	<b>3</b>
<b>III</b>	<b>Objectives</b>	<b>4</b>
<b>IV</b>	<b>General Instructions</b>	<b>5</b>
<b>V</b>	<b>Mandatory part</b>	<b>6</b>
<b>VI</b>	<b>Bonus part</b>	<b>7</b>
<b>VII</b>	<b>Submission and peer-evaluation</b>	<b>8</b>

# Chapter I

## Preamble

No snow on Mount Fuji,  
Nore flowers in the cherry trees,  
No grass on my flowerbeds,  
its reign is mineral.

Magic is the liquid,  
magic is the source,  
magic is the crystal,  
magic is the garden.

[illegible]

crystal, crystal, crystal, crystal  
 You cannot touch it.  
 You're not ready, you can just gaze it,  
 Your eyes are ready, you can stand it.  
 Wooaaaa  
 Oh it's beautiful, it's beautiful, it's beautiful

The wizard gardener  
doen't need manure in his garden.

Shiny like stars,  
Shiny like a waveless sea,  
Shiny like a big dog teeth.

Shiny like insects,  
Shiny like a sausage,  
Shiny like teen skin.

crystal oh crystal  
crystal oh crystal  
crystal oh crystal  
crystal oh crya ha ha

Salut C'est Cool - *The wizard gardener* [lien](#).

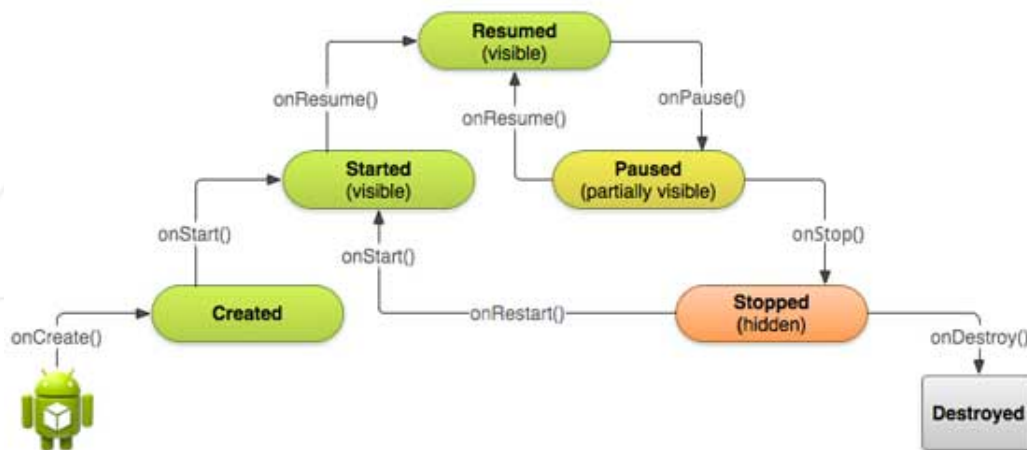
# Chapter II

## Introduction

For this project, you will need to design a mobile application that enables the user to create and manage contacts as well as send text messages.

The goal of this project is to gain an understanding of how mobile applications work, as well as how Android and iOS operating systems interact with your application. This will involve using their respective software development kits (SDKs) to develop your application on both platforms.

Here is an example with Android:



# Chapter III

## Objectives

You will have to complete various tasks that will help you understand how a mobile app works.

The goal is to create an app that allows users to create contacts (containing at least 5 details), edit them, and delete them. Once a contact is saved, the user should be able to communicate with them through text messages.

Contacts will be recorded persistently using an SQLite database. Do not use the shared contact table and create your own. A summary for each contact will appear as a list on the app's homepage. You should be able to click on each contact to view their details.

Your app will have to propose two different languages, one being the default language (change the system language for a test). When you're on the homepage and set the app in the background, the date will be saved and will show in a *toast* when you return to the front. You will have to create a menu that will allow you to change the app's header color. Finally, the app icon will have to be the 42 logo.

# Chapter IV

## General Instructions

- This project will be evaluated by humans only.
- You're free to use whatever language.
- No external library is allowed (even for design).



In case you choose Android, it is strongly advised that you use Android Studio as your IDE. Beware, Google does not support the ADT plugin for Eclipse anymore.

# Chapter V

## Mandatory part

Here is what you will have to create :

- Create a contact.
- Edit a contact.
- Delete a contact.
- Homepage with a summary for each contact.
- Receive text messages from recorded contacts.
- Send text messages to your contacts.
- You have a clear conversation history that properly shows the sender and the receiver.
- Create a menu that will allow you to change the header color.
- The app will have to include two different languages.
- Show the time the app was set in the background when returning to the app.
- The app works in landscape and portrait modes.
- The app icon is the 42 logo.

# Chapter VI

## Bonus part

- Have a picture for each contact.
- When receiving a text message, a new contact is instantly created with the number as the contact name.
- It's beautiful ! Material Design is cool !
- You can call the contact.



The bonus part will only be assessed if the mandatory part is PERFECT. Perfect means the mandatory part has been integrally done and works without malfunctioning. If you have not passed ALL the mandatory requirements, your bonus part will not be evaluated at all.



# Chapter VII

## Submission and peer-evaluation

Turn in your assignment in your `Git` repository as usual. Only the work inside your repository will be evaluated during the defense. Don't hesitate to double check the names of your folders and files to ensure they are correct.