# Class structure

## Applicable - Interface

Has two methodes:

* *apply(****Scanner*** *s)*
* *printApp()*

## MobilePhone

Has:

* **ArrayList** of **Contact**s
* **ArrayList** of **Applicable**s
* **scanner** *s*.
* inner-class **OperatingSystem**.

## MobilePhone.OperatingSystem

Implements **Applicable**. In charge of managing all the other **Applicable**s.

## Contact

Has:

* **String** *name*
* **Int** *phonenumber*
* **Arraylist** of **String**s *chat*.

## PhonebookApp

Implements **Applicable**. In charge of managing the contact list. Updates **CalendarApp** whenever a Contact is removed from list.

## SmsApp

Implements **Applicable**. In charge of managing **chat**s

## AbstractCalendarEvent – Abstract

Abstract class of calendar events.  
Has:

* **Date** *date*
* **Int** *duration* (in minutes).

## MeetingCalendarEvent

extends **AbstractCalendarEvent**.  
has:

* **Contact** *contact*

## SimpleCalendarEvent

extends **AbstractCalendarEvent**.  
has:

* **String** *description*

## CalendarApp

Implements **Applicable**.  
In charge of managing calendar events.  
has:

* sorted **ArrayList** of **AbstractCalendarEvent**s *eventsList*

## Media - Abstract

Abstract class of media files.  
Has:

* **String** *label*
* **int** *length* (in minutes).

has an abstract method *play()*.

## AudioMedia

Extends **AudioMedia**.  
Defines method *play().*

## VideoMedia

Extends **VideoMedia**.  
Defines method *play().*

## MediaPlayerApp

Implements **Applicable**.  
In charge of playing and managing **Media** files.  
Has:

* **ArrayList** of **Media**