

Worksheet 1: Talking picture

It is a simple-original application which allows a sound to be played with a click of a button. In this exercise when the virus is clicked an alarm is set off.

1. Select start new project from the menu and give virus_alarm as the name of the project
2. Selection of components (**DESIGNER**).

Drag and drop the components from the ... palets.

Type of component	Palet	Name	Properties
Button	User Interface	virus	Image: virus.jpg
Sound	Media	Sound1	Source: alarm.wav

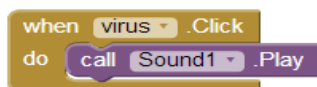
The design environment will be as follows:



3. Commands in the (**BLOCK EDITOR**)

To succeed the alarm set off with a click of the button the block **when virus.click** (from Virus palet) which will perform the **call sound1. play** (from sound1 palet) will be used.

The block will be as follows:



EXPANSION.

1. Add 2 buttons (**DESIGNER**):

- Antivirus
- Unknown mailers

Type of component	Palet	Name	Properties
Button	User Interface	Antivirus program	text: Antivirus program color: red
Button	User Interface	Unknown mailers	text: Unknown mailers color: red

The design environment will be as follows:



4. Commands in the (BLOCK EDITOR)

When we click the **button Antivirus program** we want the following actions:

- If the button virus is visible make it invisible
- Stop the alarm sound

When we click the **button Unknown mailers** we want the following actions:

- If the button virus is invisible make it visible
- Start the alarm sound

```
when antivirus .Click
do
  if virus . Visible = true
  then
    set virus . Visible to false
    call Sound1 .Pause
```

```
when unknown_mailers .Click
do
  if virus . Visible = false
  then
    set virus . Visible to true
    call Sound1 .Play
```