

ROBOCLON[©]

WWW.ROBOCLON.COM

ROBOCLON is a commercial brand that offers products and services related with robotics world and automation in entertainment area.

The products presented on this brochure are part of our enterprise products branch. They are designed and featured to catch visitors attention into company reception or showcase etc...

Interaction v2.0

is a java program environment that allows to design customizable web pages for specific marketing campaigns and generate synchronized commercial messages with facial movements of Robot head and sound files.

There are autonomous movements controlled by this system, based on environmental variables: Light, noise, proximity and people movement(right or left)

roboclone.jar	Pack of .class(java) files
interaction.cfg	Basic configuration file
db1.txt	Movements and expression synchronization
test02.html	Customizable web page for any application

Roboclone.jar

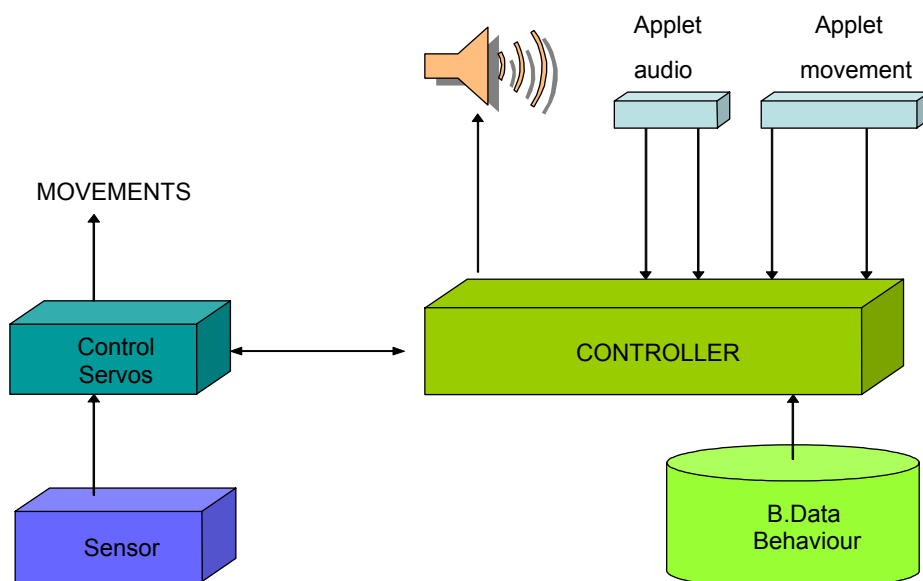
Roboclone.jar is a set of executable java programs,

Main program is "controller" that is executed in background. HTML files that includes java applets can use the functionalities of the running process(Controller) moving face and detecting events with sensors and playing mp3 sound files

Command line to run controller is

>java controller -exec:INIT:

Functional blocks



Screen shots

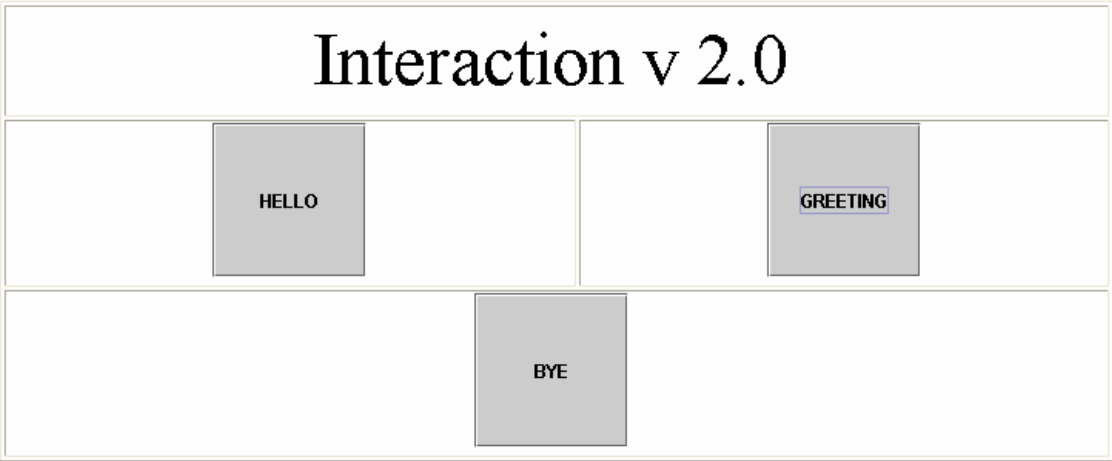
```

C:\WINDOWS\System32\cmd.exe
C:\java>command
Microsoft(R) Windows DOS
(C)Copyright Microsoft Corp 1990-2001.

C:\JAVA>java controller -exec:INIT:
Trying to load:
The server is coming up
command:INIT:
-----
Connection Accepted 1
Connection from : 192.168.200.2:1110
Trying to parse: -port:COM1
change from port: null to port: COM1
Puerto: COM2-Port currently not owned-false
Puerto: COM1-Port currently not owned-false
COM2
COM1
Using COM1,9600,8,1,none
tokens:10
<1><Eyes Lid><1><1><128><1><80><150><UR><LID>
tokens:10
<2><Eyes HZ><1><2><128><1><80><150><HZ><OHZ>
tokens:10
<3><Eyes UR><1><3><128><1><80><150><UR><OVR>

```

Controller.class



HTML test02.html

Example of interaction.cfg

```

#ID;TITLE;BOARD;SERVO;DEFPOS;DELTA;MIN;MAX;PREF;PREFIX
-port:COM1
1;Eyes Lid;1;1;128;1;80;150;VR;LID
2;Eyes HZ;1;2;128;1;80;150;HZ;OHZ
3;Eyes VR;1;3;128;1;80;150;VR;OVR
4;Lips;1;4;128;1;80;150;VR;LIP
5;Teeth;1;5;128;1;80;150;VR;TEE
6;Emocion;1;6;128;1;80;150;VR;EMO

```

Example of db1.txt

```

#key/title soundfile timeslice secuencia
greeting01 greeting01.mp3 2000 LID20,OHZ20;OVR20,LIP20;
greeting02 greeting02.mp3 1500 LID200,OHZ200;OVR200,LIP200;
greeting03 greeting03.mp3 2000 LID80,OHZ80;OVR80,LIP80
test01 - - EMO20;;EMO30;;EMO50;;EMO70
test02 - - LIP20;;LIP30;;LIP40;;LIP50
#needed "-"=none -=none

```

Example of Test02.html

```

<HTML>
<HEAD>
<TITLE></TITLE>
</HEAD>
<BODY>

```

```

<div align="left">
  <table border="1" width="723" height="158">
    <tr>
      <td width="707" height="72" align="center" colspan="2"><font size="7">Interacción
        v 1.0</font></td>
    </tr>
    <tr>
      <td width="367" height="72" align="center"><APPLET height='100' width='100'
        code='JApplet_a.class' >
        <PARAM name='ID' value='A1'>
        <param name="TEXT" value="HELLO">
        <PARAM name='COMMAND' value='greeting01'>
        applet interaction
        </APPLET>
      </td>
      <td width="340" height="72" align="center"><u><APPLET height='100' width='100'
        code='JApplet_b.class' >
        <param name="COMMAND" value="greeting02">
        <PARAM name='TEXT' value='GREETING'>
        <param name="ID" value="A2">applet interaction
        </APPLET>
      </u></td>
    </tr>
    <tr>
      <td width="707" height="74" colspan="2" align="center"><APPLET height='100' width='100'
        code='JApplet_a.class' >
        <param name="COMMAND" value="greeting03">
        <param name="ID" value="A3">
        <param name="TEXT" value="BYE">applet interaction
        </APPLET>
      </td>
    </tr>
  </table>
</div>
</BODY>
</HTML>

```

Sensors

- Light Sensor: is based in LDR resistor
- Noise Sensor : is based in microphone sensor
- Proximity Sensor, is based in oscillator controlled by capacity
- Movement Sensor(left-Right) is based in micro-camera B/W M4088+PIC16F873