Autonomous Agents

CodeName: AIBond

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Codename: AIBond - Main Idea

- The main idea of "Codename : AIBond" project is the development of a complete personality of the famous agent James Bond on AIBO ERS-7 Entertainment Robot.
- ➤ James Bond personality includes original lines form the movies, motion of the robot and LED lighting and of course the legendary James Bond theme music.

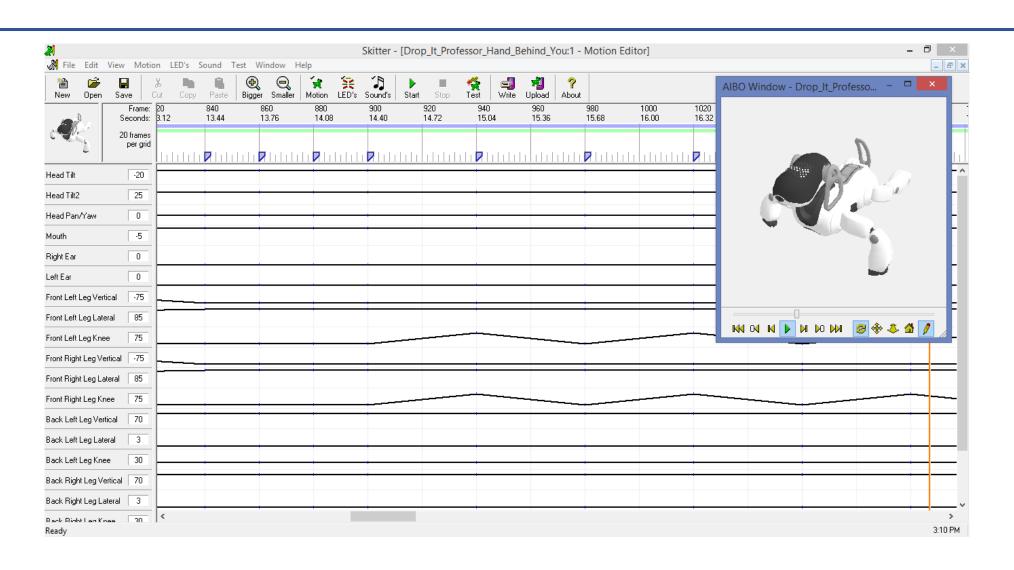




James Bond in Skitter

- ➤ The personality of James Bond was developed on Skitter AIBO Performance Editor.
- Every line of 007 was transformed in a skit that includes the movie line itself, motion of the robot, LED lights and music.
- ➤ All the three performance editors of Skitter were used, one for the motion of AIBO, one for LEDs and one for music.
- And of course the music that was chosen was James Bond theme music.

James Bond in Skitter



James Bond in YART

- ➤ After creating all the skits, we need to activate them on AIBO.
- ➤ How AIBO can get the skits, created by Skitter?
- ➤In order to activate them, YART tool was used.
- ➤In YART, every single skit was connected to a specific voice command, given by us or a specific touch sensor on the robot.
- Thus, listening to a voice command, AIBO performs a specific skit.

James Bond in YART

YART7 - Simple RCODE Cu	stomization
When this happens:	AIBO does this
☐ Main Startup(once) ☐ Sensor Head pressed BackFront pressed BackRiddle pressed Back Rear pressed Back Rear Hit Head press long time BackFront+Rear long BackFront+Jaw long RF Paw (sleep positio ☐ Idle	usex PLAY ACTION+ Drop_It_Professor_Hand_Behind_You // Drop_It_Professor_wait WAIT
Available Actions: User Action Ser A_Martini_Shaken_Not_St Ser Agent_Report Ser Bond_James_Bond Ser Bond_Shooting_James_Bo Ser Boys_With_Toys Ser Cleverer_Than_You_Look Ser Do_You_Expect_Me_To_ Ser Drop_It_Professor_Hand_t	rred user James_Bond_Music user No_Im_Just_Looking user Play_Any_Other_Games nd user Q_Is_Not_Going_To_Like_This user The_Things_I_Do_For_England user The_World_Is_Not_Enough
Description/Posture: (please	select an action)
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In other words...

AIBO is Bond, James Bond!



To sum up!

- Achievement : Complete development of James Bond personality and applying it on AIBO ERS-7.
- The project provides opportunities to word in the robot world, design their motions, get inspired, create new personalities, work and learn different software programs etc.
- >"Codename: AIBond can be used as an educational material.
- ➤It has the potential to be improved with several new features.

References

Skitter - AIBO Performance Editor

DogsBody's Tutorials

YART = Yet Another RCode Tool

ERS-7 Stuff

Αυτόνομοι Πράκτορες - Ιδέες για εργασία εξαμήνου

