Pepper welcome

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研发背景：实验室科技成果丰硕，前来参观的人越来越多，实验室的学生和老师过于忙碌，应付不过来，所以决定使用 pepper 机器人来迎接前来参观的访客。

运用模块：综合运用动作功能开发、语音功能开发、多媒体功能开发、感知功能开发……

运用指令盒：Learn_face,Delay,Say,Face Rec.,Say Text,Dialog,Get Gender,Get Age,Play Sound,Play Video,Disco,Show Image……

特别是，其中 dialog 的编写内容精彩纷呈：

“concept:(intro)[你是谁 谁]
concept:(打招呼)[你好 嘿 你好，机器人 早上好 下午好]
concept:(introduce0)[你能干什么 干什么 帮我什么 帮我 帮]
concept:(introduce1)[化学 实验 化学实验机器人 机器人]
concept:(introduce2)[我们现在在哪里 问个路 问路 请问一下 在哪里 往哪里走 哪里怎么走 往哪走 往哪]
concept:(thax)[谢谢你 谢谢 非常感谢]
concept:(stop)[再见 拜拜]
concept:(introduce3)[你能跳支舞吗 跳舞]
u:(~intro)我是我们智造空间的讲解员 paper，请问有什么可以帮助您的吗？
u:(~打招呼{pepper})你好，欢迎参观智造空间
u:(~thax)不用客气
u:(~stop)$over=1 各位慢走
u:(~introduce0)我有很多功能，我们可以先玩一个小游戏，你先站在那边让我猜猜你的年龄 $start_intro=1
u:(~introduce1)好的 $start_intro2=1
u:(~introduce2)你好，我们现在制造空间 你可以看看我这的地图 $start_intro3=1
u:(~introduce3)好的 $start_intro1=1”
（摘录自程序，对话针对不同的情境可以相应修改，形式多样）

实现功能：当有来访者参观实验室时，pepper 机器人自行人脸学习人脸识别，来访者与 pepper 进行对话，pepper 能够按照逻辑程序对话，并执行相应的图片、视频、声音播放，动作任务等等，可以完美介绍实验室，极大地方便了实验室的人员。

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Research and development background: the laboratory has abundant scientific and technological achievements. More and more people come to visit. The students and teachers in the laboratory are too busy to cope with it. Therefore, we decided to use pepper robot to meet the visitors.

Application module: comprehensive application of action function development, voice function development, multimedia function development, perception function development

Using the instruction box: learn_ face,Delay,Say,Face Rec.,Say Text,Dialog,Get Gender,Get Age,Play Sound,Play Video,Disco,Show Image……

In particular, the contents of dialog are wonderful:
"Concept: (Intro) [who are you]
Concept: (Hello) [Hello, hi, good afternoon for robot]
Concept: (introdue0) [what can you do for me and help me]
Concept: (introdue1) [robot for chemical experiment chemistry experiment]
Concept: (Introduction 2) [where are we going now to ask the way, where to go and where to go]
Concept: (that) [thank you very much]
Concept: (stop)
Concept: (introdue3) [can you dance a dance]
u: (~ Intro) I'm the commentator of our Zhizao space. What can I do for you?
u: (~ Hello {pepper}) Hello, welcome to Zhizao space
u: (~ thax) you're welcome
u: (~ stop) $over = 1, take your time
u: (~introdue0) I have many functions. We can play a small game first. You can stand there and let me guess your age $start_ intro=1
u: (~introdue1) good $start_ intro2=1
u: (~introdue2) Hello, we're making space now. You can see my map $start_ intro3=1
u: (~introdue3) good $start_ intro1=1”
(excerpt from the program, dialogue can be modified accordingly for different situations, in various forms)

Realization function: when visitors visit the laboratory, pepper robot learns face recognition by itself, and the client talks with pepper. Pepper can talk according to logical procedures and perform corresponding pictures, videos, sound playback, action tasks, etc., which can perfectly introduce the laboratory, which greatly facilitates the personnel of the laboratory.