MoveAssist

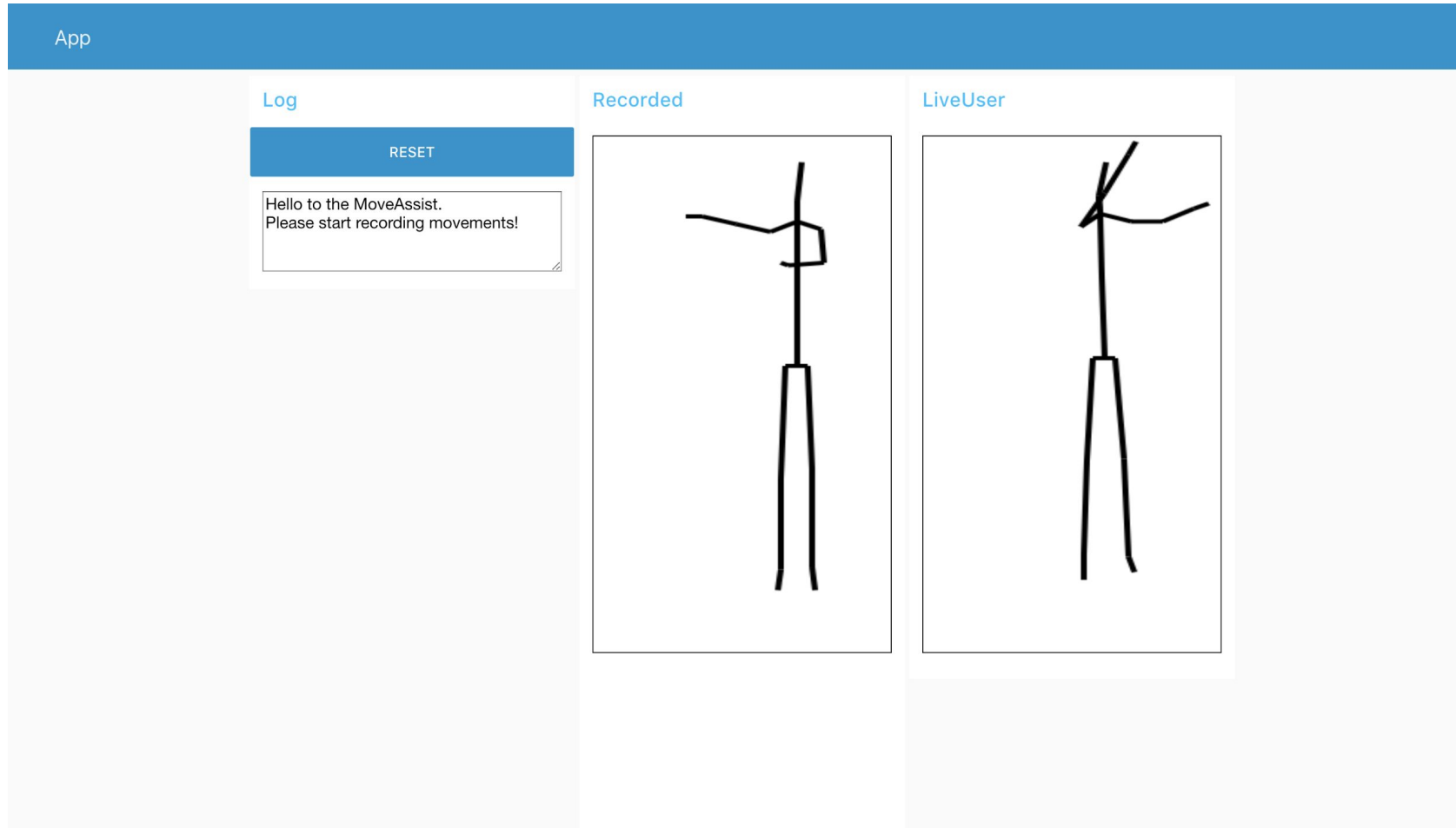CodeGemini Hackathon 2017 – Team Sudo. Murcia

General Idea

- Professional records a set of movements

- Tool compares user movements to this pre defined set of movements

- User receives information if his movements are right or how he can correct them

- Use cases for this tool in different areas:
  - Industry -> learning work movements
  - Sport -> improve technique
  - Health -> allow patient autonomous recovery process

- Easy setup with IoT components (Raspberry Pi + Kinect)

Virtual assistant for physiotherapy

- Virtual assistant provides an alternative solution to physiotherapy in a society with less and less health personal

- Patient can work on his recovery autonomously and without time restrictions

- Whole process of recovery is cheaper because no therapist is needed

UI screenshot

Future development possibilities

- Build a platform in which health professionals and patients can connect with this tool

- Adding multi-user support

- Probably add machine learning elements to analyze the general learning process of the user