



# RichUp.io



### **Application**



Richup.io is a free online alternative to the classic board game Monopoly.

- Roll Dices
- Buy Houses
- Trade with other players
- Customize player's character
- Check House Information





#### Scenario



#### #1: Rolling the Dice

Given a player is ready to take their turn

When the player performs a swiping gesture over the device's sensor

**Then** the game should recognize this gesture as a dice roll and make the move

#### Scenario



#### #2: Buying a Property

Given a player lands on an unowned property,

When the player makes a tapping gesture over an hand from another

**Then** it should be recognized as an intent to buy the property and deduct the property cost from the player's game currency.

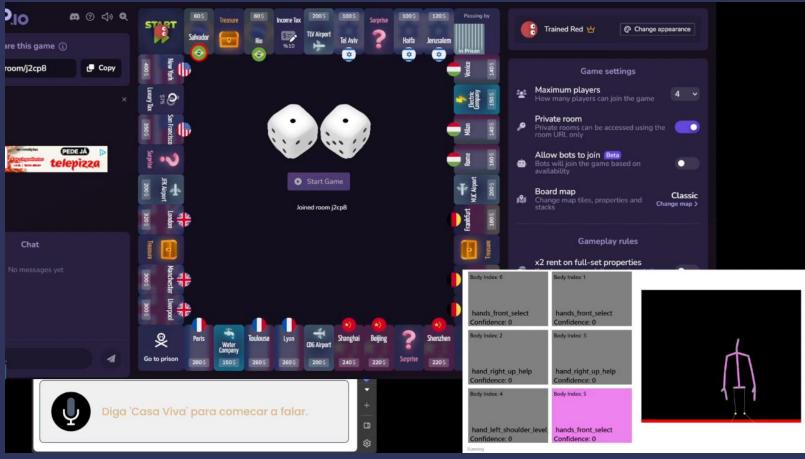




# Gestures

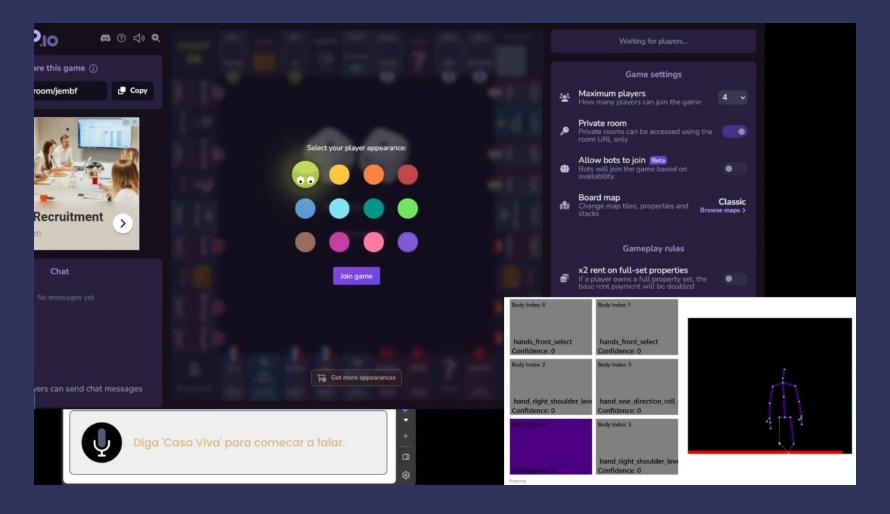
## Help





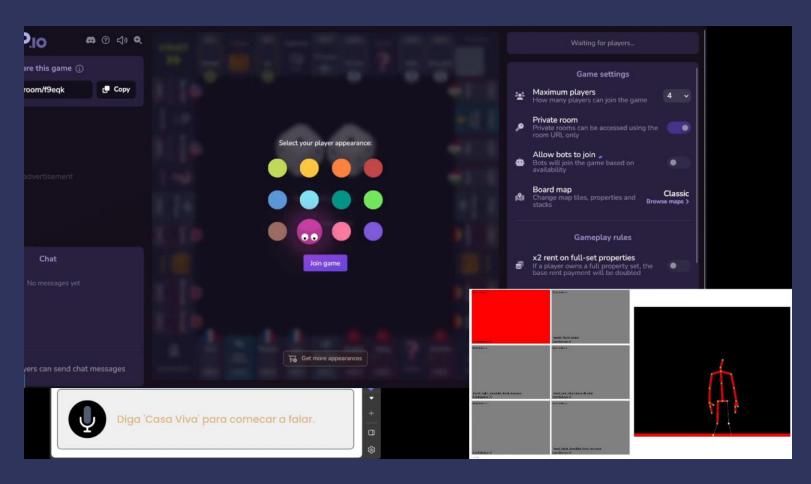
#### **Colours Interaction**





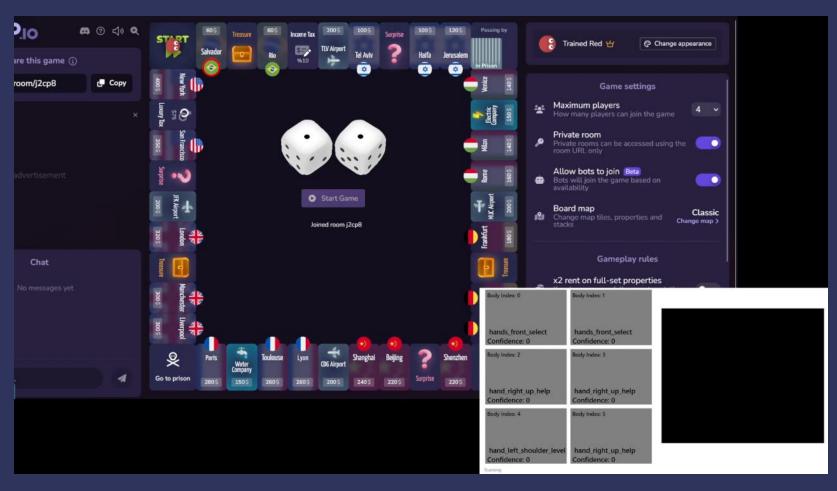
#### **Full Colours Interaction**





#### **Roll Dice**





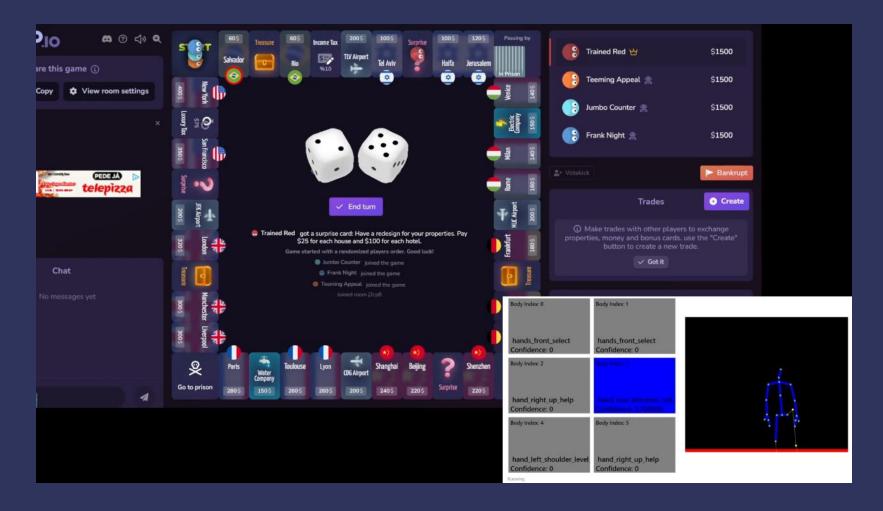
# **Buy House**





## **End Turn**

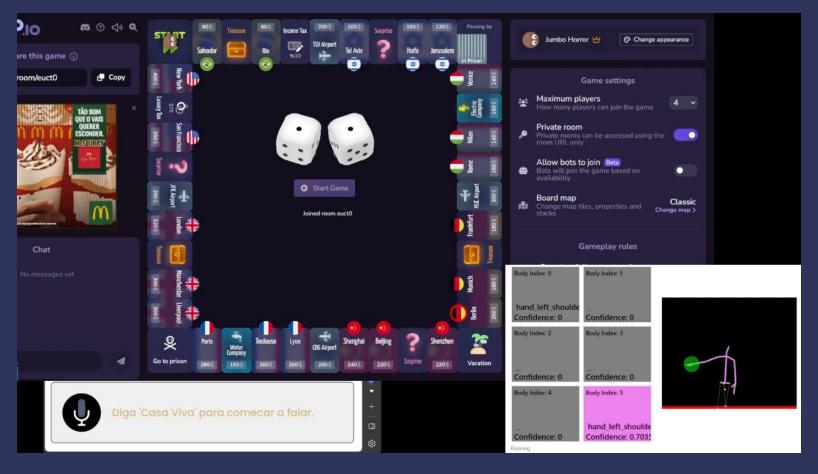




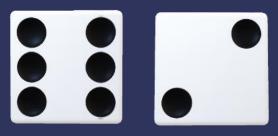
#### **Houses Interaction**







# **Give Up**

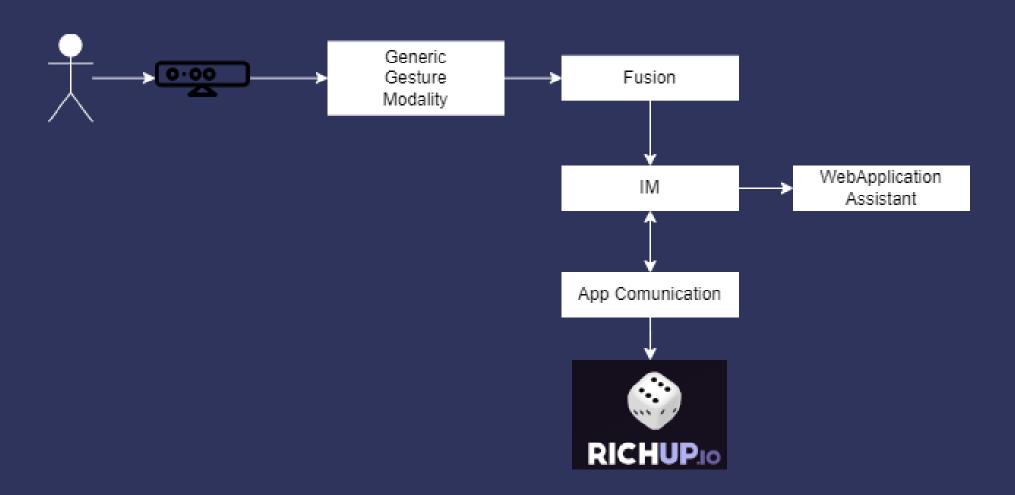






#### Implementation







#### Limitations



The main challenge was the recording in different places. Even with a reasonable number of examples and the use of negative examples, the Kinect struggled to identify some gestures





# Live Demo