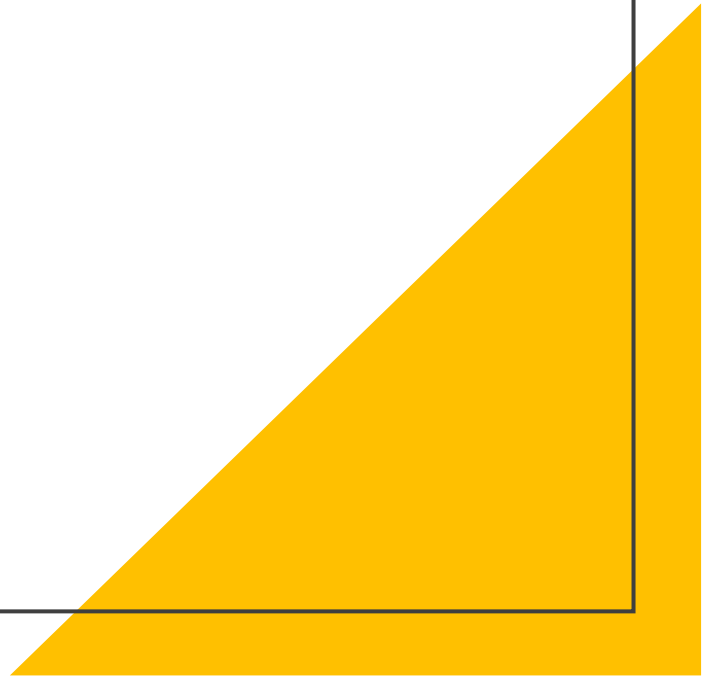# Chess controller

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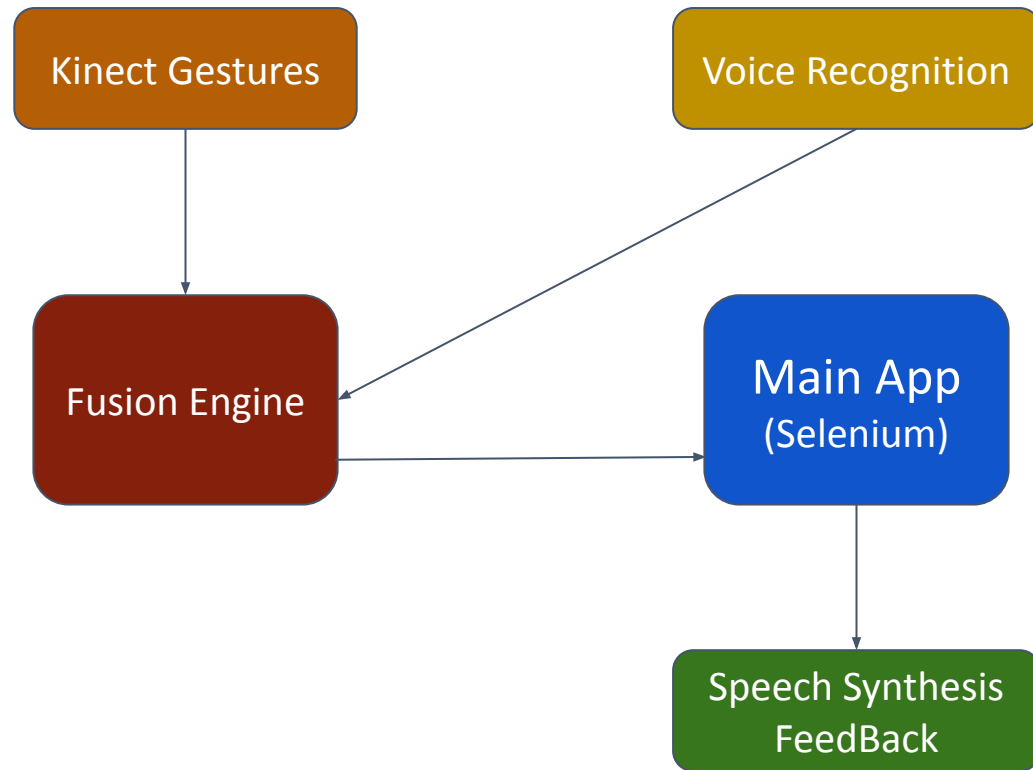
The application

❖ Chess - website "chess.com"

Scenario 1

❖ Arthur is playing chess on the website and wants to change the color of the chess board.

❖ He can then make the change color gesture and say the name of one of the available colors.
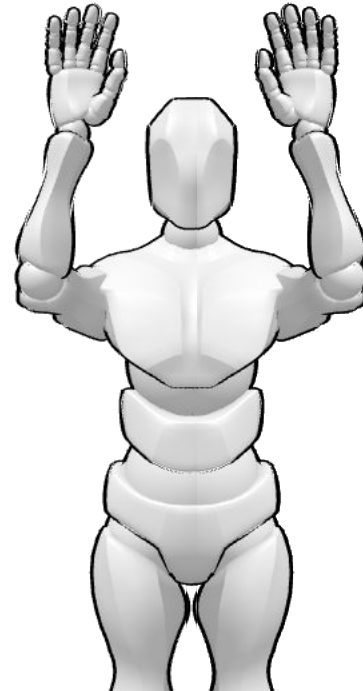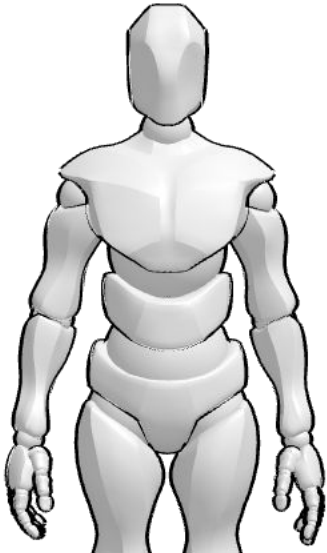
❖ The chess board changes colors.

Scenario 2

❖ Arthur wants to stop playing chess.

❖ He can say that he wants to give up or make the give up gesture and be asked to confirm whether he really wants to surrender the game.
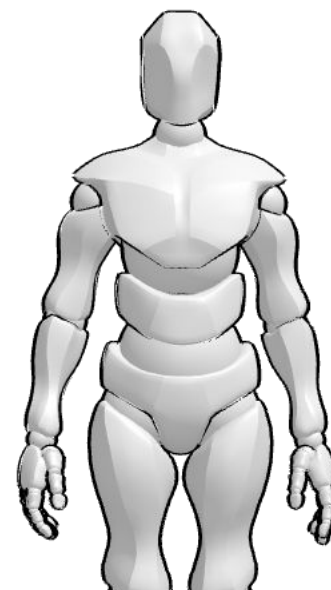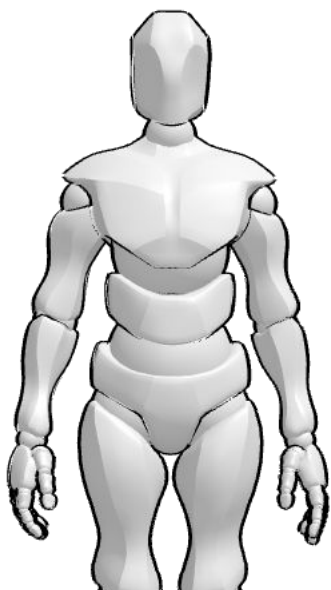
Architecture

Ask for a hint
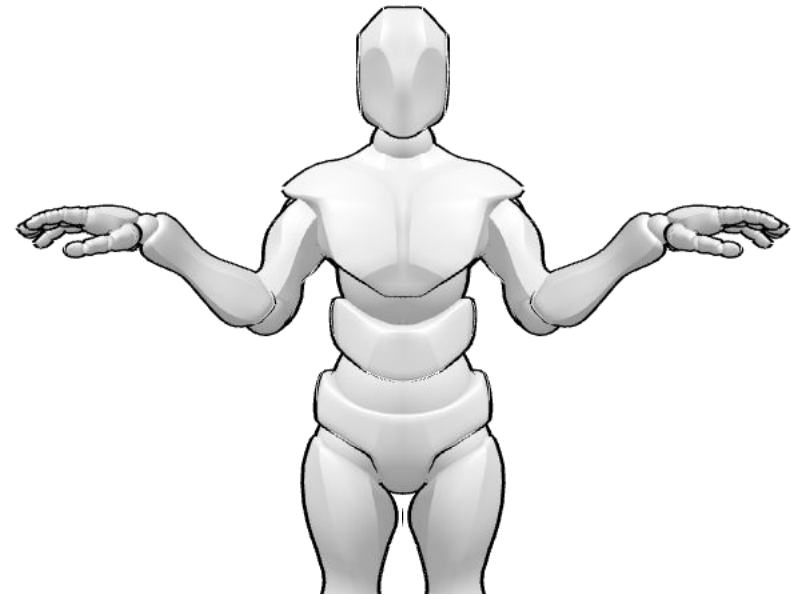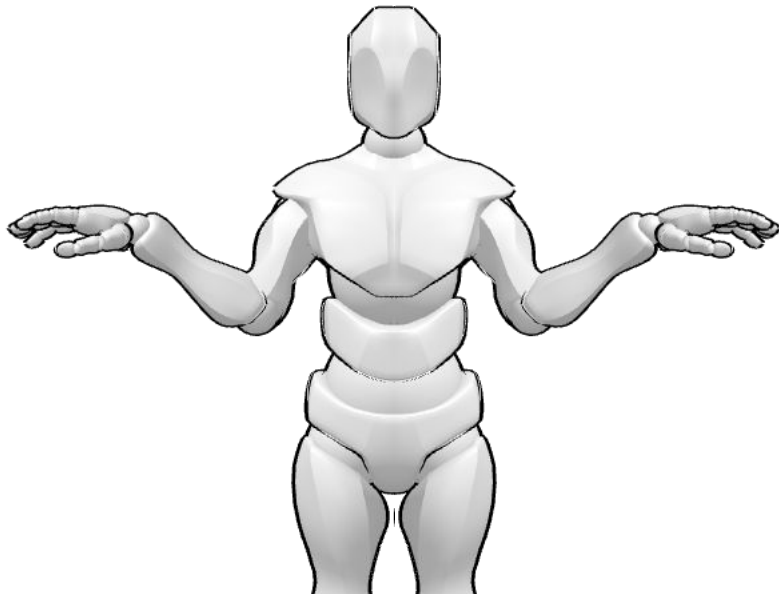
- Raise one arm or say "Dá-me uma dica".

Accept the hint

- Nod head or say "Sim".

Give up from a game

- Have both hands in front of the body and move them inwards and then outwards or say "Desiste do jogo".
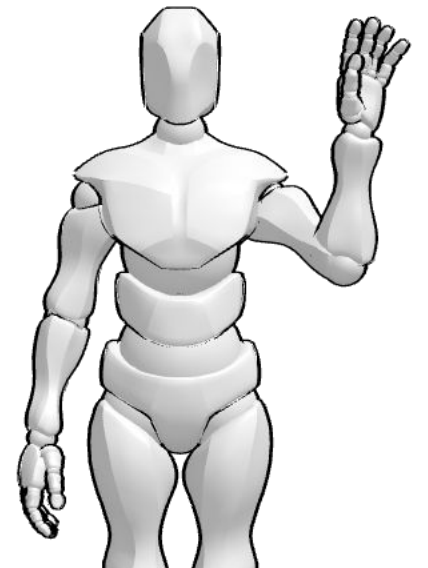
Start a new game

- Start with both hands in front of the body and roll them or say "Começa um novo jogo".

Change the board color (Complementary)

- Start with the right hand in front of the body and move it in a quarter circle while saying the name of the color you want the board to change to.

Other functionalities that are only available via voice

❖ Move pieces
  - Move o primeiro peão duas casas;
  - Move rainha três casas para a direita;
  - Move segundo bispo três posições para cima direita;
  - Move cavalo para F três;
  - Desfaz o movimento;
  - Refaz o movimento.

❖ Activate and deactivate the sound
  - Liga o som;
  - Desliga o som.

Other functionalities that are only available via voice

❖ Open and control the option menu
- Abre as definições;
- Cancela alterações;
- Guarda alterações;
- Desliza para baixo;
- Desliza para cima.

❖ Change the aspect of the board to a random value
- Muda a cor do tabuleiro;
- Muda o aspeto das peças.