**Functional and Non-Functional Requirements**

# **Functional Requirements**

* Chatting
  + Robot says ‘How are you feeling today?’
  + If user asks ‘How are you feeling?’, respond ‘I’m fine, thank you!’
  + Robot says ‘Do you want to do something today?’
  + If user respond ‘yes’, ask ‘What do you want to do?’
  + If user respond ‘no’, say ‘Okay, no worries! Let me know if you do!’
* Playing with them
  + Robot plays a quiz game by asking questions to the user
  + Robot plays rock, paper, scissors with the user
* Telling Jokes
  + Robot says ‘Why aren’t koalas actual bears? They don’t meet the koalifications.’
  + Robot says ‘What do Alexander the Great and Winnie the Pooh have in common? They have the same middle name.’
  + Robot says ‘What do you call bears with no ears? B-‘

# **Non-functional Requirements**

* Appropriate gestures/movements when talking
* Clear words and volume
* Ensure no words can be taken as offensive
* Response time by robot (not sure if I can affect this or will this depend on the robot machine itself)
* Flexible speech function (speech functions can be used for many scenarios)