1 FUNCTIONAL REQUIREMENTS

* 1. User Interface Requirements

People can independently capture their movements at home using a smartphone and correct their erroneous movements based on deep learning to achieve rehabilitation effects.

* 1. What it should do?

(1) Collect videos of rehabilitation exercises with a smartphone, and extract

skeletal data for the movement of all joints in the exercises. (2) Develop deep learning models to assign a quality score to the performance of each exercise. (3) Develop models to identify incorrect movement

elements