

just Physio kidding - NUI and Gamification based Therapeutic Intervention for Children with Special Needs

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Abstract

This paper presents the “just Physio kidding” approach, which intends to improve the engaging qualities of therapy programmes towards children with special needs, mainly with cerebral palsy, spinal muscular atrophy, or developmental delay. Therefore, “just Physio kidding” intends to address both physiotherapy and cognitive stimulation therapy. The system is functioning as a complement to the work of therapists, with and without their live supervision. It is part of a project with the aim of developing software based on the concept of personalized serious games for rehabilitation. The paper presents the concept and the prototype behind “just Physio kidding”.

Keywords

Natural User Interface NUI Physiotherapy Serious games

Children with special needs Cognitive stimulation Cerebral palsy Gamification

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Notes

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