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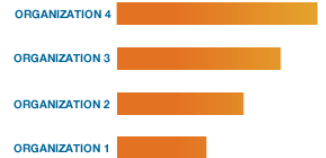
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Jozef Kostolny
University of Zilina, Faculty of Management Science and Informatics, Zilina, Slovakia

Jan Bohacik
University of Zilina, Faculty of Management Science and Informatics, Zilina, Slovakia

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I. Introduction

With new and improved methods, the education process keeps improving as well. There are many methods and technologies which are used for the improvement and facilitation of learning for children. One of these methods that is genuinely and positively impactful on learning and development is play-based learning. Many web portals facilitating play-based learning for children and preparations for teachers exist nowadays. However, only a very small number of the web portals combine all desired functionalities into one solution. Often either a digital game is only for home practice without interactions of the teacher or a portal for improving the effectiveness of the education process provides only standardized forms of tests and exams using

various animations and images without the utilization of digital games. Our goal is to combine all the good features of existing education web portals into one full-fledged solution.

Authors ^

Jozef Kostolny
University of Zilina, Faculty of Management Science and Informatics, Zilina, Slovakia

Jan Bohacik
University of Zilina, Faculty of Management Science and Informatics, Zilina, Slovakia

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INSPEC: Controlled Indexing

computer aided instruction, portals, serious games (computing), software architecture

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education information portal, Web portals, microservices architecture, ASP .NET Core framework, digital games

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