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Learning capsules for HE and VET providers to prepare future professionals for testing and improving software production

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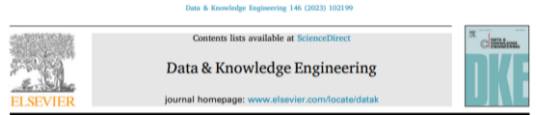
In the last months, ENACTEST partners have participated in two of the most relevant conferences in the field of software testing, as AST 2023 and ITEQS 2023.

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New paper published by ENACTEST partners!

Researchers of the ENACTEST project coordinators (UPV) have published a paper on the prestigious magazine Data & Knowledge Engineering! Hit "Read More" to access the paper!

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Towards understanding students' sensemaking of test case design

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ABSTRACT

Context: Software testing is the most used technique for quality assurance in industry. However, in computer science education software testing is still treated as a second-class citizen and students are unable to test their software well enough. One reason for this is that teaching the subject of software testing is difficult as it is a complex intellectual activity for which students need to allocate multiple cognitive resources at the same time. A myriad of primary and secondary studies have tried to solve this problem in education, however still with very limited results.
Objective: Before we can design interventions to improve our pedagogical approaches, we need to gain more in-depth understanding and recognition of sensemaking as it is happening when students design test cases.
Method: An initial exploratory study identified four different sensemaking approaches used by students while creating test models. In this paper we present a follow-up study with 50 students from a large university in Spain. The used methodology was based on the previous study with



Understanding students' approach to software testing

Our colleagues from UPorto got their paper "Collecting cognitive strategies applied by students during test case design" accepted at LEARNER workshop within EASE 2023 conference.

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