UNIVERSIDAD COMPLUTENSE MADRID

Facultad de Informática

Improving Engagement of Students in Software Engineering Courses through Gamification

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Entrada libre hasta completar el aforo

Resumen:

While our society increasingly depends on software for more and more aspects of civic, commercial and social life, software engineers struggle to ensure that software achieves the necessary high quality this requires. Although the discipline of software engineering offers different techniques and strategies to ensure quality, programmers in practice are reluctant to engage with them, with detrimental effects on software quality. A root cause of this situation lies in how software developers are educated: Software engineering education generally tends to focus more on the creative aspects of design and coding, whereas the more laborious and less entertaining activities are neglected; this disengagement with software quality assurance techniques carries over to practice. We therefore need a fundamental change in how software engineering is taught and perceived. Tomorrow's software engineers need to be raised with an appreciation of software quality, and quality assurance techniques need to become a natural aspect of software development, rather than a niche topic.

Sobre Tanja Vos:

Prof. Dr. Tanja Vos is a full professor at the Open University (Netherlands) and an associate professor at the Universitat Politècnica de València (Spain). For over 20 years she has been teaching and researching in the area of software testing. She has worked with many companies on automated testing projects in an industrial setting. She is currently project lead for the TESTAR.org<http://TESTAR.org> approach for automated testing at the Graphical User Interface level. Tanja has successfully coordinated EU-funded projects (FITTEST, EvoTest) related to software testing and has been involved in various Erasmus and Leonardo initiatives that try to help business understand academia an vice versa. She started the Software Testing Innovation Alliance in Spain and is now involved in the European Alliance. She is also part of the dutch consortium of the ITEA TESTOMAT project that started this year. A project that will research and develop the coming three years the next level of test automation. She is the coordinator of the ERASMUS IMPRESS project that works towards improving software engineering education.

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