THEME SHEET - L.EIC

2024 - 2025

Theme	**Software Architecture**	
	A key component of the modern computer is its software, the set of instructions and data that drive the operation of the underlying physical equipment (in principle under the control of the user). This component can be designed and built under different models and guidelines - different "architectures" - which have a different impact on the computer's performance and type of use.	
Problems	**What are monolithic architectures?**	**What are service-oriented architectures?**
Learning outcomes	At the end of the work, regarding the topic and problem studied, students should be able to: • define the main underlying terms • present a clear, illustrated summary with clarifying examples of the underlying concepts • if possible, identify examples of the use of the underlying concepts in academic life (teaching and research) at FEUP (or U.Porto) • if possible, fit the underlying concepts into one or more of the UN Sustainable Development Goals* • present the group's vision, formed after the work has been carried out	
Biblio	Mere example: • Wikipedia: Software architecture	
Team #	1 e 2	3 e 4
Class	1LEIC15	
Teaching team	Supervisor: Jorge Barbosa	
	Monitor: Rita Pereira	
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* https://sdgs.un.org/goals