

Univerza v Ljubljani  
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in informatiko



# Recommendation system of motivational amplifiers

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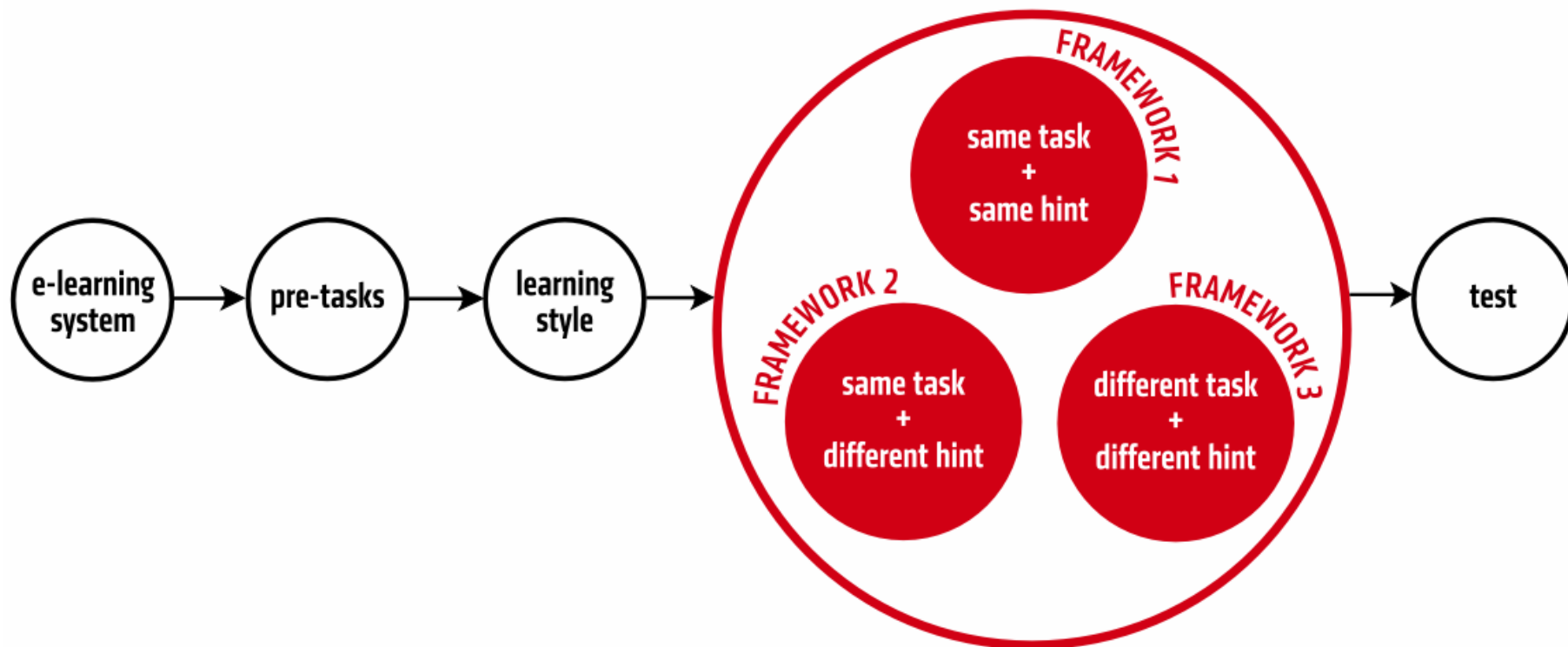
# WHY?



**Increase motivation by suggestion of  
amplifiers in programming.**



**Is there a significant difference in students' learning outcome if we use different frameworks?**





# Contributions

- New method of adaptation in recommender system with motivational amplifiers.
- Novel approach to personalization of a learning environment, based on students' motivation.



# Related Work

- Ozpolat, E. & Akar, G. B. (2009). Automatic detection of learning styles for an e-learning system. *Computers & Education*, 53(2), 355-367.
- Yannibelli, V., Godoya, D. & Amandi, A. (2006). A genetic algorithm approach to recognise students' learning styles. *Interactive Learning Environments*, 14(1), 55-78.
- Ocepek, U., Bosnić, Z., Nančovska Šerbec, I., and Rugelj, J. (2013). Exploring the relation between learning style models and preferred multimedia types, *Computers & Education*, vol. 69, 343-355.
- Burke, R. (2002). Hybrid Recommender Systems: Survey and Experiments. *User Modeling and User-Adapted Interaction* 12(4), 331-370.



# Thank you for your attention!