Object oriented analysis and modeling
Course information

Robert Lukoťka

lukotka@dcs.fmph.uniba.sk

www.dcs.fmph.uniba.sk/~lukotka

M-255

OOAM

- You should know quite a lot on this topic from previous courses (Programming 3, Principles of software development, . . .)
- There are plenty of available resources on Object oriented analysis and design.
- The topic is somehow 1990's or early 2000's. (OOP criticism)
- The concept of OOAM goes well beyond OOP, it can be useful even if we use other paradigms.
- We will discuss relation between various stages of the software development in greater detail.

OOAM

- We go through all stages of software development.
- We focus on strengths and weaknesses of OO paradigm.
- We discuss methods how to efficiently capture information about the software product.
- We focus visualization techniques.
- We complement it with several random trendy SE topics.

Course content

- Project initialization
- Software architecture
- Analysis and modeling of the domain
- Capturing requirements
- Design
- Code smells and refactorization
- Software documentation

Course content

- Microservice architecture
- ORM tolls
- . . .

Course information

Lecures:

- Tuesday 15:40 F318 now and then (do not expect a lecture on Tuesday without prior announcement)
- Wednesday 16:30 F108 regularly

Grading:

- 0/100
- There will be four projects, 12.5 points each .
- Final examination 50 points

Project information

- The deadline for the project is on the day of the final examination. However, you are encouraged to submit your solutions early, you can improve the project if its valuation is not good.
- The project assignments will ask you to do a specific task. You are encouraged to complete this task on any project you work on at present. In case you have no such project a concrete assignment is given.