

# SOFTWARE ENGINEERING

## TEAMWORK ASSIGNMENTS

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# TEAM BUILDING AND ASSESSMENT STRATEGY

# Team building

- The teams **should be the same for all 3 assignments.**
- Team should be **registered before delivery of the 1<sup>st</sup> assignment.** Team registration information:
  - name of the team;
  - leader of the team;
  - other members;
  - contact e-mail.
- All teams, *except the last one*, should consist of **4-5 members.**
  - Each additional member reduces the evaluations of all assignments by 20% and each missing member – by 10%:  
3 members = 90%, 2 or 6 members = 80%,  
1 member = 70%, 7 members = 60%, etc.

# Assessment strategy

- Team could select one of the proposed systems or define some system itself.
  - Each proposed system could be selected at most by 2 teams.
- The evaluation takes into account correctness, conformance to requirements, readability, delivery on time, and presentation.
- Each teamwork assignment should be **delivered** (by e-mail or personally) **until the deadline specified** (deadlines are specified as weeks).
  - Each week delayed reduces the evaluation of the assignment by 20% (80%, 64%, 51,2%, etc.). Monday of next week is already treated as 1 week delay.
  - Each week in advance increases the evaluation of the assignment by 10%. 1 week in advance is at least Sunday of previous week.



# Assessment strategy (2)

- Each teamwork assignment should be **presented during the laboratory time**.
  - Date of the presentation will be assigned after the delivery of assignment.
- Incorrectly performed assignments are refused and should be delivered anew.
- **Evaluations** of the assignment **could be different** for members of the team.
  - **Team should provide the percentage contribution of each team member**. Contribution of each member should be not less than half of the average one (i.e. 13% for team of 4 members, 10% - 5 members).
  - If such information is not provided, the maximum evaluation of this assignment is **reduced by 20% for the team leader**.

# TEAMWORK ASSIGNMENT No. 1.

## PROJECT PLAN



# Project plan

Deadline: 5<sup>th</sup> week (until October 18, 2020)

Bioinformatics: 8<sup>th</sup> week (until November 8, 2020)

## Deliverables:

- Business need statement
- System vision document
- Project plan “that includes estimates of size and effort, a schedule, resource allocation, configuration control, change management, and project risk identification and management.”

*[Computer Science Curriculum 2008: An Interim Revision of CS 2001. ACM and IEEE, 2008.]*

# TEAMWORK ASSIGNMENT No. 2.

## SOFTWARE REQUIREMENTS



# Software requirements

Deadline: 9<sup>th</sup> week (until November 15, 2020)

Bioinformatics: 13<sup>th</sup> week (until December 13, 2020)

Deliverables:

- Software requirements specification
- Analysis model

# TEAMWORK ASSIGNMENT No. 3.

## SOFTWARE DESIGN



# Software design

Deadline: 13<sup>th</sup> week (until December 13, 2020)

Bioinformatics: -

Deliverables:

- Software design specification

# QUESTIONS?

