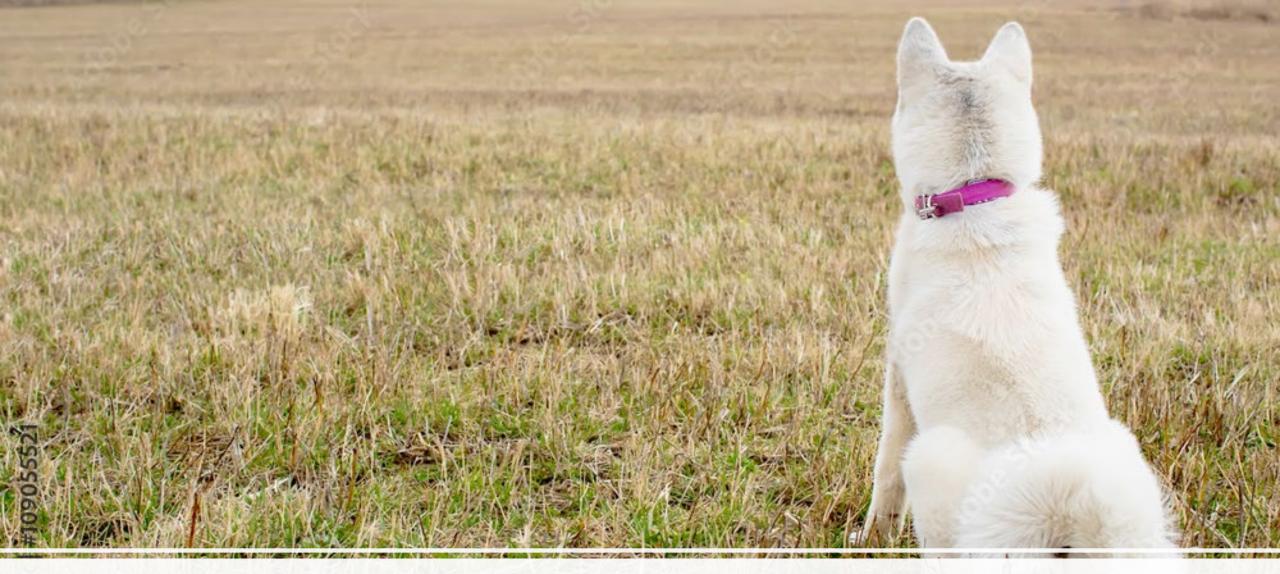# Software engineering

Famous disasters

Looking forward

What is the deal?

- I will try to condense my 10 years of experience in the industry
- I will minimize the purely academic parts
- By getting good at this material, you should:
  - Get a job more easily
  - Fall in the team lead's: "This junior knows what they are doing" category
- It's my first course, so parts are going to be bad/experimental
- I expect you to show up, take notes, get your assignment done on time

What to expect

- Journey through ever increasing complexity, guided by you

- Learn C# + .NET framework

- Find out what to expect in the industry in the next 5-10 years

- Learn how NOT to make your working life a living hell

- Learn how to talk about architectures

- Work together in teams

- Mandatory Microsoft Team code: l92ucv2

Grades and attendance

- No attendance
- 50% of your grade is from written exam at the 14th course
- 50% of your grade is from lab activity
  - Both need to be at least 6.0
- You need to come with your own subgroup
- If the lab grade, for everybody who did not abandon the faculty, is above 8.0, you can choose a problem from the written exam, and everybody gets maximum grades for it.
- Students who are taking this course as an optional course or are retaking this material, can come to any lab/seminar, for group work purposes you will be grouped together, in several groups, I suggest you join these as a group

Requirements gathering

Requirements

- **Functional Requirements**

- **Non-functional Requirements**

- Requirements should be:
  - Feasible
  - Valid / Correct
  - Unambiguous
  - Verifiable
  - Consistent