

## Dr. Balser Meeting

- user story attendance counter is minimum, if ready, take next one
- voice narration:
- user stories breakdown:
  - user story: attendance counter formulation: „As a professor, I would like to receive an attendance counter on the amount of students attending, because I want to receive feedback on the popularity of my course“ **focus 1**
    - design of user interface:
      - camera installed facing the classroom
      - monitor for professor
      - display of number of detected faces
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    - visual feedback of each detected face (square around face)
    - split of story:
      - displaying number and attendance rate of students
      - visual feedback
    - update of counter, when new face is detected
    - goal of max. duration of detection process : ~10 sec.
      - focus: **precision** >90%, not speed
  - tasks:
    - setup of laptop camera in classroom, so that camera covers all of classroom in view(5)
    - Outcomes 10 Test cases Pictures or Videos
    - possible alternative: getting better camera from professor (1)
    - design minimalist user interface (sketch) (3)
    - implement user interface
      - VisualStudio extension for implementing GUI
      - Install Database Store number of expected students
      - Connect GUI to database
    - take picture and store it:
      - start Haar Cascade algorithm by using pictures as input
    - interpret result
    - display result
  - user story: recognition: „As a professor, I would like to know who attends, because the course is mandatory“
  - open issues:
    - input method: video streaming? taking pictures?
    - best project type, framework?: .NET,...? → choose carefully!
  - TODO: milestones
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