





Gregory Gay DIT635 - February 28, 2020

Finish In-Class Activity First!



The Planning System Returns

- Code on Canvas:
 - https://canvas.gu.se/courses/25762/fi les/folder/Misc?preview=2280199
- Everybody likes meetings.
 - Not true but we need to book them.
- We don't want to double-book rooms or employees for meetings.
- System to manage schedules and meetings.





Mutate the Meeting Planner

- Create at least four mutants for classes from the MeetingPlanner system.
 - Create at least one from each category:
 - invalid (doesn't compile)
 - valid-but-not-useful (compiles, fails for any test case)
 - useful
 - equivalent (no test will ever fail)
 - Use different operators for each mutant
 - 1+ from each category in handout.
 - Try mutating different parts of the code.



Assess Your Test Cases

- Run the functional and structural tests you created previously. Do they detect the mutants?
 - If not, create new test cases that will detect them.
 - If equivalent, make sure you understand why the mutant will never be detected.
- Identify the minimal set of your tests that will detect all four mutants.
- If you finish quickly, try this for the CoffeeMaker.
 - (part of Assignment 3)



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