

# CS111 Final Exam

## Ethics Material Practice Questions

1. A company is working on a new version of their mobile operating system, and part of that includes a new Calendar application, but after release users report a concerning bug - specifically:
  - The calendar app seems to have a race condition where after adding a new event, some other events display with incorrect times!
  - The calendar app code was taken from a separate internal company project, but the engineers removed code they deemed unnecessary to reduce file size. The removed code included redundancy / error prevention features that in theory weren't necessary, but had previously corrected the race condition and thus caused it to go unnoticed during prior testing.
  - The company didn't have the quality assurance team evaluate the software

Define agential gullibility and using the information above, identify/describe one way the company exhibited agential gullibility in the development of its software.

2. In filesystems, filesystem permissions prevent unauthorized users from accessing files. Explain in 2-4 sentences the concept of trust by substitution, and how filesystem permissions are an example of trust by substitution.
3. Imagine there is a company that sells navigation software to provide efficient driving directions taking advantage of lesser-known routes. Fill in the blanks below to add examples of different stakeholders (you need only specify the stakeholder, and do not need to write in complete sentences):
  - a. **One example of a direct stakeholder in this scenario is**
  - b. **Two examples of indirect stakeholders in this scenario are:**