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# Ethical Testing



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# Ethical Testing



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**01**

**Ethical Testing?  
What it That?**

**02**

**Principles to  
Take Care of**

**03**

**Technical Skills  
or Soft Skills?**



# Ethical testing

**upholding ethical principles and values throughout the testing process to ensure that the software being tested is safe, secure, and respectful of users' rights and privacy**



# Finance Mobile App's Case



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You are working on a mobile app, which manages people's personal finances. You have access to detailed data of how the app works.

What ethical questions will be arisen?



# Thought provoking questions



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- **Is testing only about tech skills?**
- **Can soft skills be learned?**
- **How much time do we need to learn an effective communication vs a C++ framework?**



# Ethical Testing



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# Transparency



Providing detailed information about the testing activities, methodologies, outcomes, and any relevant issues to stakeholders, including the development team, management, and end-users

1. Accountability
2. Trust Building
3. Decision-Making
4. Documentation
5. Communication
6. Quality Assurance



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# Transparency



**This is so beautiful. But what about the practice?**

A SW version was tested and released. The client is using the product. The tester later finds a critical problem, which is unlikely to come up in production. They did not find that issue earlier because of the time pressure and lack of experience the testers had in the domain.

**Q: What should the tester do? Report the issue or not?**



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# Responsibility



Obligation and accountability of individuals and organizations involved in the testing process to ensure that testing activities are conducted in a responsible, ethical, and morally sound manner

1. Security testing
2. Responsible Disclosure
3. Transparency
4. Data Privacy and Protection
5. Quality Assurance



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# Responsibility



**This is so beautiful. But what about the practice?**

The application is close to the deadline and is about to be released. The testers still find a high number of bugs that have an impact on the product. The project manager insists that the product must go out.

**Q: Shall the tester go against the project manager or agree with the release?**



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# Respect for privacy



Protecting the personal and sensitive information of individuals during the software testing process

1. Data minimization
2. Data security
3. Testing environments
4. User anonymity



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# Respect for privacy



**This is so beautiful. But what about the practice?**

The testers have access to the production data on an application.

**Q: Shall the testers profit from production information or not?**



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# Professionalism



The conduct, attitude, and standards of behavior that testers and testing organizations should uphold when performing software testing activities

1. Integrity
2. Independence
3. Clear communication
4. Respect
5. Responsibility



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# Professionalism



**This is so beautiful. But what about the practice?**

The testers are working on an adamant "legacy" project. The project management is putting big time pressure on the testers and wants to force them to pay attention to the testing standards for quicker workflows.

**Q: Shall the testers agree or not?**



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# Objectivity



The practice of conducting testing activities in a fair, unbiased, and impartial manner, without allowing personal opinions, preferences, or external influences to interfere with the testing process

1. Impartial test execution
2. Consistency
3. Unbiased test data
4. Objective metrics



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# Objectivity



**This is so beautiful. But what about the practice?**

There is a personal problem between the developers. The testers are asked not to report some bugs, which would be blame for the devs. The devs are fixing bugs in the development tickets.

**Q: Shall the testers agree or not?**



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# Which is easier to learn?

We usually research technical skills when looking for the reasons for the failure of a release or an application. Ethics should be ranked much higher than they actually are. Ensuring that software was tested thoroughly sticks more to the soft skills than to the technical skills.





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**Thank you for your attention!**