

iPerform: Maintaining Data Privacy During Software Development

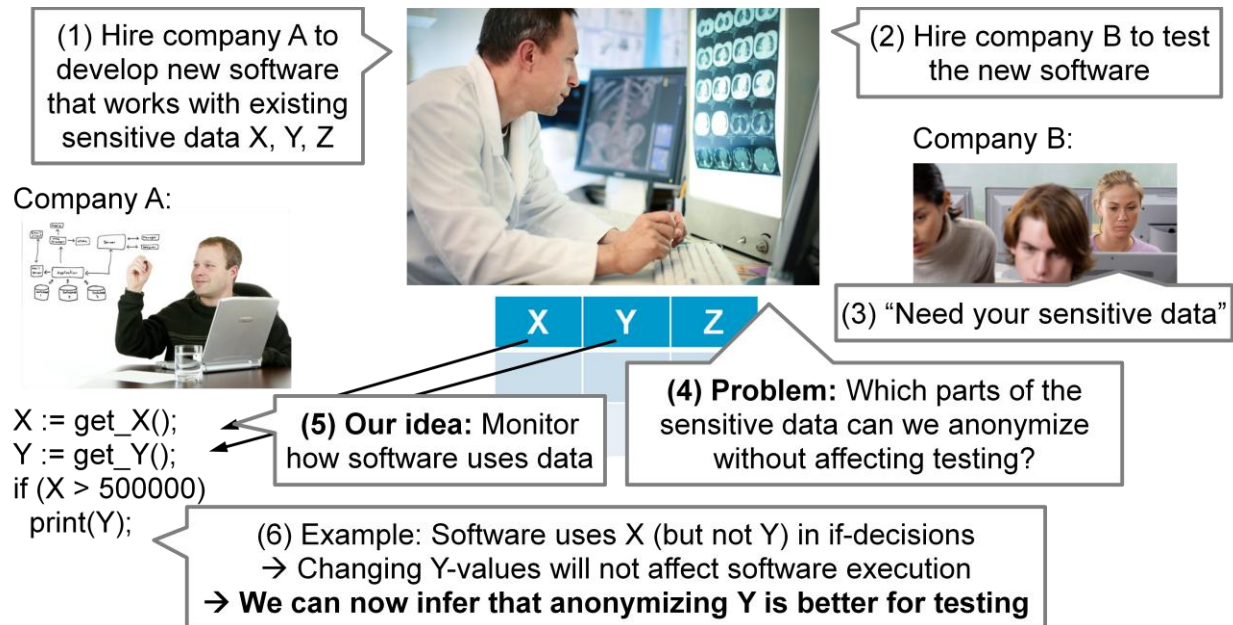


Figure 1 – Use case for our automated data anonymization recommender tool: How strongly will anonymizing database columns X and Y affect software testers in quality assurance?

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Budget for three years: \$50k per year

Proposed deliverables:

- Data anonymization recommender tool for Java-based applications that use SQL
- Data anonymization recommender tool for "Big Data" applications (e.g., Hadoop)
- Evaluate impact of advanced data anonymization schemes
- Visualize tool recommendations
- Plug into tools that are popular with developers and analysts, such as IDEs
- Incorporate feedback from professional app developers, data analysts, business analysts

Award-winning paper: <http://ranger.uta.edu/~csallner/papers/grechanik10is-abstract.html>

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