Towards a Method for Reducing the Test Suites of Database Applications
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**The Prevalence of Database Applications**
- Electronic journals, scientific data repositories, and e-commerce systems
- Program Relational Database Management System
- Relational Database Management System
- DML Commands
- Select
- Update
- Insert
- Delete
- Database State
- Database Structure

**Types of Database Applications**
- Interaction Approach
- Program Location
- Interface
- Embedded
- Outside RDBMS
- Inside RDBMS

**The Role of Test Suite Reduction**
- Pervasive
- Complex
- Evolving

**Database-Aware Test Suite Reduction**
- Test Suite $T = \langle T_1, T_2, \ldots, T_9, T_{10} \rangle$
- Requirements Set $R = \{ R_1, R_2, \ldots, R_{11}, R_{12} \}$

**Case Study Applications**

**Experimental Results**

**Future Work**
- Use larger and more varied applications in follow-on experiments
- Investigate the fault-detection effectiveness of $T$ and $T'$
- Focus on affiliated testing tasks (e.g., test data generation)