ICA 8: Regression Testing

ICA 8 - Overview

Goal: Perform regression test selection using the DejaVu method

1. Build control flow graphs of servlets
2. Track test case coverage of the model
3. Identify test cases to be rerun

Blank

Implement

1. Generate test suite for bookstore with >10 test cases that gets over 40% statement coverage

2. Create mappings between statements and test cases

3. Identify test cases to be rerun

4. Calculate "savings" of your technique

Grading

100 total points

- – 15 points for the quiz
- – 20 points for in-class completion (late credit available until 11/11)
- – 15 points for automation
- – 40 points for correct regression tests
- – 10 points for time analysis

Submit

- Java code/scripts for your implementation
- Test suite
- Mapping of test cases to statements
- Answers for test case selections
- Running time analysis

"Seeded" Changes

- Login.jsp
  - {561, 497, 506}
- ShoppingCart.jsp
  - {502, 623, 732}
- MyInfo.jsp
  - {516, 658, 458}
- Login.jsp
  - {561, 497, 506}