



- Software testing accounts for 50-60% of total software development costs
- GUIs can constitute as much as 60% of the code of an application
- GUI development frameworks such as Swing make GUI development easier
- Unfortunately, they make GUI testing much harder







































Test suite creation

 Creating a test suite with JUnit 3 is also different

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• Use the code in the next slide as a template

```
import junit.framework.*;
public class AllTests {
    public static void main(String[] args) {
        junit.swingui.TestRunner.run(AllTests.class);
    }
    public static Test suite() {
        TestSuite suite = new TestSuite("Name");
        suite.addTestSuite(TestClass1.class);
        suite.addTestSuite(TestClass2.class);
        return suite;
    }
}
```