

Here's an example how to write the test.

Suppose we want to communicate with another system over a socket.
When we're done, the socket should be closed and we should have read the string **abc**.

- 1) Begin with

```
testCompleteTransaction() {  
...  
assertTrue(reader.isClosed());  
assertEquals("abc", reply.contents());  
}
```
- 2) Where does the reply come from? The socket, of course:

```
testCompleteTransaction() {  
...  
Buffer reply= reader.contents();  
assertTrue(reader.isClosed());  
assertEquals("abc", reply.contents());  
}
```
- 3) And the socket? We create it by connecting to a server:

```
testCompleteTransaction() {  
...  
Socket reader= Socket("localhost", defaultPort());  
Buffer reply= reader.contents();  
assertTrue(reader.isClosed());  
assertEquals("abc", reply.contents());  
}
```
- 4) But before this, we need to open a server:

```
testCompleteTransaction() {  
Server writer= Server(defaultPort(), "abc");  
Socket reader= Socket("localhost", defaultPort());  
Buffer reply= reader.contents();  
assertTrue(reader.isClosed());  
assertEquals("abc", reply.contents());  
}
```

Now we may have to adjust the names based on actual usage, but we have created the outlines of the test in teeny-tiny steps, informing each decision with feedback within seconds.