These tests are like check-ups for a pretend plumbing system to make sure it works well. They carefully look at how two main parts of the system, the "Plumber" and the "Saboteur," do their jobs in the computer program. First, let's talk about the "Plumber" tests. They focus on checking if the plumber can fix problems with pipes and pumps without any trouble. One test called "testFixPipe" looks at how well the plumber can repair a broken pipe. It checks not only if the repair is done right but also if the plumber communicates well after fixing it. Another test called "testFixPump" checks if the plumber can fix pump issues properly.

Now, onto the "Saboteur" tests. These tests make sure that when someone tries to mess up the plumbing system in the program, it happens correctly and doesn't cause extra problems. For example, in a test called "testPunctureOnWorkingPipe," it watches to see if the saboteur can poke a hole in a working pipe without making things worse. Another test called "testPunctureOnAlreadyPuncturedPipe" looks at what happens when the saboteur tries to break a pipe that's already broken, making sure it doesn't cause more damage. There's also a test called

"testPunctureOnNonPipeElement" to check that the saboteur only messes with pipes and doesn't mess up anything else in the plumbing system. By doing these tests carefully, we can be sure that the pretend plumbing system works well and can be trusted to fix things and handle sabotage properly.



