

Post Course – Office Supplies

Overview

Imagine you're building a Java application that keeps track of Office Supplies in your workplace using Test Driven Development.

Goals

1. **Office Supply Tracker:** The office you currently work at needs to keep track of its stationery. They currently have 1000 pens, 200 staplers, 8000 staples, 50 rulers and 300 A4 Booklets. Build an application that has a stationary interface containing methods for adding and removing the items of stationary. Then build classes that implement these methods.
2. **TDD:** The point in this challenge is to write tests using JUnit. Before you write a line of code write tests that will establish whether you have met the below criteria.

Specifications

Make the following additions to your project:

Each point should have a corresponding test which utilize the methods created above!

- If I remove 258 pens, how many do I have left?
- The office currently has 250 members of staff, each member of staff is to be issued with 10 pens. How many more pens does the company need to acquire?
- If each stapler is supplied with 92 staples, will the company run out of staples or staplers first?
- Staff have misplaced 63 rulers, how many new rulers must be ordered in order for the company to have 300.
- Each new member of staff is given 5 pens, 1 stapler, 100 staples, 3 rules and 4 A4 booklets upon joining the company. How many members of staff could be hired based on the current stock?