

Sample task for Java Developer candidate

Implement a simple point of sale (PoS).



Assume you have:

- one input device: bar codes scanner
- two output devices: LCD display and printer

Implement:

- single product sale: products bar code is scanned and:
 - if the product is found in products database than it's name and price is printed on LCD display
 - if the product is not found than error message 'Product not found' is printed on LCD display
 - if the code scanned is empty than error message 'Invalid bar-code' is printed on LCD display
- when 'exit' is input than receipt is printed on printer containing a list of all previously scanned items names and prices as well as total sum to be paid for all items; the total sum is also printed on LCD display

Rules:

- use only SDK classes and your favorite test libraries
- mock/stub the database and IO devices

- concentrate on proper design and clean code, rather than supplying fully functioning application
- if necessary - describe your assumptions in dedicated file

Solution:

- full solution should be put on Github / Bitbucket repository and proper link should be sent to IMPAQ