

1. Design in form of diagram the process of undelivered parcel transfer between a courier and a warehouse worker. Point places in the process where improvement can be done. Design the process after the WMS implementation.

Short description of the process: Courier pass the parcel to a warehouse worker to give it away the day after tomorrow. Important information: Saturday is the day off.

2. Create *test case* for parcel delivery on PDA (Personal Digital Assistant) in WMS. (Last step of delivery, process of parcel transfer from courier to receiver.)

Test case: In software engineering, a test case is a specification of the inputs, execution conditions, testing procedure, and expected results that define a single test to be executed to achieve a particular software testing objective, such as to exercise a particular program path or to verify compliance with a specific requirement.¹

Test case example

Title
Create to-do list
Description
<ul style="list-style-type: none">• Navigate to the <i>Create new to-do list</i> form• Fill in all fields with valid test data (see test data in attachment)• Submit form
Expected: The newly created to-do list detail page is loaded and shows all the specified data.

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3. Find 5 abstractions in Warehouse Management and explain your choice.
E.g. WMS interface – it does not matter which system is connected to the interface: ERP or developed by an enterprise.
4. Design 5 functional or 5 non-functional requirements.
E.g. Functional: My order receipt must be printed and send to me by post.
Non-functional: Landing page on website must be loaded faster than 4 minutes for every kind of browser.

Points: 1. 40%, 2. 20%, 3. 20%, 4. 20%

¹ <https://ieeexplore.ieee.org/document/5733835>

² <https://www.testmo.com/guides/writing-test-cases-examples>