

- Vendor name: **Enlight Engineering**
- Product Name: **Warehouse management solution**
- **Detailed Test Plan**
- Product Documentation: **Warehouse management solution specification**

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REFERENCES

#	Title	Authors
1.	Foundations of Software Testing ISTQB Certification	Dorothy Graham, Rex Black, Erik van Veenendaal

INTRODUCTION

Detailed test plan is document focusing on detailed test execution approach.

Objective

Detailed Test Plan document contains detailed description of the Warehouse management solution testing phase execution. This includes various test types. The purpose of this document is to show a clear picture of testing execution, scope of testing, tools and scripts that will be used in certain testing phases and environment.

Intended Audience

This test plan is a communication vehicle targeted for anyone on or involved with the Warehouse management solution project, including but not limited to delivery managers, product owner, developers, testers and end-users.

TEST STRATEGY

Test Types

The scope of testing will be divided into the following types of testing:

- Functional testing - The objective of this test is to verify the correct functionality of the Inventory App. It will be verified by executing structured and unstructured tests;
- Experience based testing – exploratory testing and testing and error guessing;
- Non-Functional testing: Portability of application;

Scope

- In scope

Scope of testing will be functional. List of functionalities that will be tested:

- Testing more pages (Product, Bin and Allocation pages);
- Registration and Log In forms;

Functional testing will be performed to check the functions of application. The functional testing is carried out by feeding the input and validates the output from the application.

Non-Functional testing portability will be performed to check the basic functionality and user interface of data Inventory App on different internet browsers.

- Out of scope

Out of scope for this testing phase are the following non-functional testing types:

- Performance and stress test;
- Cyber security audit;

This non-functional test will be detailed planned for the next testing phase.

Test Tools and Scripts

During the first testing phase the following tool and scripts will be used:

- Cypress – **a JavaScript-based end-to-end testing tool designed for modern web test automation.** This developer-friendly tool operates directly in the browser using a DOM manipulation technique and enables front-end developers and QA engineers to write automated web tests while eliminating pain points.

TEST APPROACH

Manual execution will be used for test cases that cover the majority of functionalities. This group of tests will be divided in the following categories:

- Functional test cases that will also cover use cases;
- Experienced based test case – this approach is chosen because of lack of documentation like functional specification and business requirements;
- Automated tests - Certain number of use cases will be automated;
- Portability (non-functional testing) – a certain amount of tests will be conducted on various web browsers. The purpose of this test is to verify that the application's layout, user interface, and fundamental functionality are compatible with the most prevalent web browsers.

TEST ENVIRONMENT

This chapter explains environments details on which will be conducted test cases.

- Hardware PC machine with basic configuration;
- Instalation Warehouse management solution application;
- Internet browser: Chrome, Edge, Opera and Safari.

ENTRY AND EXIT CRITERIA

This section defines the pre-requisites (entry criteria) and post conditions (exit criteria) for testing phase.

Entry criteria are those factors that must be present, at a minimum, to be able to start an activity.

Exit criteria are those factors that must be present to declare an activity completed.

Criteria	Test Phase: Current testing phase
Entry Criteria	<ul style="list-style-type: none"> Application is installed on local machine, and it is possible to run; Basic information regarding application is provided.
Exit Criteria	<ul style="list-style-type: none"> Relevant numbers of test cases are executed according to the information provided in the entry criteria; No outstanding Critical and High severity defect; All other defects will be reviewed and assess the risk for each defect.

DEFECT CLASSIFICATION

Severity	Description
Critical	Main functionality of software is unable to use
High	Usage of main functionality is drastically reduced
Medium	Regular defect. Malfunction of the feature, but the user is able to use the main function of the application.
Low	Cosmetic defect, like misspelled words, misaligned text.
Priority	Urgent, High, Medium and Low
Improvement	Possible changes of existing functionalities of the application.
Enhancement	Adding new functionalities in the application.

TEST DELIVERABLES

This chapter identifies the items to be delivered as a result of testing process. The following items should be delivered:

- Manual test cases
(https://docs.google.com/spreadsheets/d/1AsVrM9skpDwSWBuCpFcAB1EhEFR_9NBHPQvjXTIU8O8/edit?usp=sharing);
- Automation project for Log in Form, Create, Edit and Delete product;
- Bug report (same link as for manual test cases);
- Test execution summary report:

App's behavior is the same at the Chrome and Edge browsers.
App's behavior is not tested at Opera and Safari browsers.

