



SOFTWARE TEST DESCRIPTION (STD)

PETAKOM MART MANAGEMENT SYSTEM

Version 1.0.0

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1.0 Introduction

1.1 Purpose of Document

The purpose of writing this document is to make the process of analysing requirement specifications more convenient as it is a comprehensive description of the system to be developed. All of the required specifications can be simply analysed, and we can spot some of the confusing requirements and try to re-elicite them from the relevant stakeholder by using the SRS (Software Requirement Specifications) formats. This document works as a guideline for the team before proceeding into the system design phase.

1.2 System Identification

This document uses the following conventions for the PETAKOM Mart Management System (PMMS)

System title : PETAKOM MART MANAGEMENT
SYSTEM

System abbreviation : PETAKOM-MMS

System identification number : STD-PETAKOM-MMS-2023-v1.0

Use Case identification number : UC-PETAKOM-MMS-2023

Requirement identification number : REQ-PETAKOM-MMS-2023

Year : Years of Development, 2023

Version : VERSION 1

The format that is used to record PETAKOM Mart Management System (PETAKOM MMS) is SRS-PETAKOM-MMS-XXXX-VX. MMS represents the Mart Management System. Then, for PETAKOM stands for client company where it is also known as the system's name. The "XXXX" is the placeholder to put the year of the system developed and finally the "VX" is to show the version number of the system developed. The format for our use case identification number is UC-PETAKOM-MMS-XX. "UC " is referred to as a use case diagram and "XX" is the number of the use case. Finally, the requirement identification number is REQ-PETAKOM-MMS-XX where "REQ" stands for requirement and "XX" is the number of the requirements.

1.3 References

1. *PETAKOM*. (n.d.). Faculty of Computing. Retrieved April 8, 2023, from <https://fk.ump.edu.my/index.php/ms/others/staff-student/petakom>
2. Custom Software Requirements Specification Document - Belitsoft. (n.d.). Retrieved November 27, 2021, from <https://belitsoft.com/custom-application-development-services/software-requirements-specification-document-example-international-standard>
3. Ohnishi, A. (1996, April). Software requirements specification database based on requirements frame model. In *Proceedings of the Second International Conference on Requirements Engineering* (pp. 221-228). IEEE, from [Software requirements specification database based on requirements frame model | IEEE Conference Publication | IEEE Xplore](#)
4. *How to Create Software Design Documents*. (2020b, November 18). Lucidchart. <https://www.lucidchart.com/blog/how-to-create-software-design-documents>

2.0 Formal Qualification Test Preparations

2.1 Testing Schedule

The table below shows the start date and end date for testing on each module.

Test Case	Module	Start Date	End Date
TC-01-101	Manage Inventory (Nav bar)	6/6/2023	15/6/2023
TC-01-102	Manage Inventory (Create Product Button)	6/6/2023	15/6/2023
TC-01-103	Manage Inventory (New Product Form)	6/6/2023	15/6/2023
TC-01-104	Manage Inventory (Save Product Button)	6/6/2023	15/6/2023
TC-01-105	Manage Inventory (Edit Button)	6/6/2023	15/6/2023
TC-01-106	Manage Inventory (Edit Product Form)	6/6/2023	15/6/2023
TC-01-107	Manage Inventory (Update Button)	6/6/2023	15/6/2023
TC-01-108	Manage Inventory (Delete Button)	6/6/2023	15/6/2023
TC-01-109	Manage Inventory (Display Data)	6/6/2023	15/6/2023
TC-02-201	Manage Profile(Nav bar)	1/6/2023	9/6/2023
TC-02-202	Manage Profile(Add Staff button)	1/6/2023	9/6/2023
TC-02-203	Manage Profile(Add button)	1/6/2023	9/6/2023
TC-02-204	Manage Profile(Delete Staff button)	1/6/2023	9/6/2023
TC-02-205	Manage Profile(Confirmation Alert)	1/6/2023	9/6/2023
TC-02-206	Manage Profile(Edit Staff Button)	1/6/2023	9/6/2023

TC-02-207	Manage Profile(Update Button)	1/6/2023	9/6/2023
TC-03-301	Manage Payment(Checkout enter)	5/6/2023	14/6/2023
TC-03-302	Manage Payment(Pay via Cash button)	5/6/2023	14/6/2023
TC-03-303	Manage Payment(Pay via QR code button)	5/6/2023	14/6/2023
TC-03-304	Manage Payment(Complete button)	5/6/2023	14/6/2023
TC-03-305	Manage Payment(Cancel button)	5/6/2023	14/6/2023
TC-03-306	Manage Payment(Close button)	5/6/2023	14/6/2023
TC-04-401	Manage Duty Roster(Nav Bar – Button)	5/6/2023	16/6/2023
TC-04-402	Manage Duty Roster(Choose Schedule – Button)	5/6/2023	16/6/2023
TC-04-403	Manage Duty Roster(Add Schedule)	5/6/2023	16/6/2023
TC-04-404	Manage Duty Roster(Drag Schedule)	5/6/2023	16/6/2023
TC-04-405	Manage Duty Roster(Back – Button)	5/6/2023	16/6/2023
TC-04-406	Manage Duty Roster(Display Schedule)	5/6/2023	16/6/2023
TC-04-407	Manage Duty Roster>Delete Schedule)	5/6/2023	16/6/2023
TC-04-408	Manage Duty Roster(Next Button)	5/6/2023	16/6/2023
TC-04-409	Manage Duty Roster(Previous Button)	5/6/2023	16/6/2023
TC-05-501	Manage Report (View Report)	5/6/2023	16/6/2023
TC-05-502	Manage Report (Report Button)	5/6/2023	16/6/2023

TC-05-503	Manage Report (Filter Year, Month, Day)	5/6/2023	16/6/2023
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2.2 Hardware Preparation

The hardware requirement for the testing process are listed as below:-

CPU	Intel Core i5
RAM	12 GB
INTERNET	WiFi 200Mbps

2.3 Software Preparation

The following table shows the software requirements that will be used to access the PETAKOM Management System.

Operating System	Windows 10
Server	XAMPP v3.3.0
Platform	PHP, Laravel, Github
Editor	Visual Studio Code 1.79
Browser	Google Chrome, Microsoft Edge
Database	MySQL

3.0 Formal Qualification Test Description

3.1 Test Case 1 (Manage Inventory)

(Nur Ainul Hayati Binti Mohd Sukor CB20090)

Test Case STD-REQ-101

Test Case ID	TC-01-101
Description Of Test	Testing on the navigation bar whether the system displays the Products page.
Precondition	The Admin need to login into the system
Test Input	The Admin clicks on the <<Products>> button.
Expected Test Result	The system displays the Products page.
Actual Test Result	PETAKOM Mart displays the Products page.
Status (Pass/Fail)	PASS

Test Case STD-REQ-102

Test Case ID	TC-01-102
Description Of Test	Testing on the <<Create Product>> button whether the button is functioning well to display the New Product form page.
Precondition	The Admin is already on the Products page.
Test Input	The Admin clicks on the <<Create Product>> button.
Expected Test Result	The system redirects to the New Product form page.
Actual Test Result	PETAKOM Mart redirects to the New Product form page.
Status (Pass/Fail)	PASS

Test Case STD-REQ-103

Test Case ID	TC-01-103
Description Of Test	Testing on New Product form either the system allows Admin to fill in the New Products form.
Precondition	The Admin already clicks on the <<Create Product>> button.
Test Input	The Admin fills in the form with new product details.
Expected Test Result	The system allows Admin to fill in the New Product form.
Actual Test Result	PETAKOM Mart allows Admin to fill in the New Product form.
Status (Pass/Fail)	PASS

Test Case STD-REQ-104

Test Case ID	TC-01-104
Description Of Test	Testing on the <<Save Product>> button whether the button is functioning well to save New Product details.
Precondition	The Admin completely fills in the form.
Test Input	The Admin clicks on the <<Save Product>> button.
Expected Test Result	The system saves the New Product details.
Actual Test Result	PETAKOM Mart saves the New Product details.
Status (Pass/Fail)	PASS

Test Case STD-REQ-105

Test Case ID	TC-01-105
Description Of Test	Testing on the <<Edit>> button whether the button is functioning well to display the Edit Product form page.
Precondition	The Admin is already on the Products page.
Test Input	The Admin clicks on the <<Edit>> button.
Expected Test Result	The system redirects to the Edit Product form page.
Actual Test Result	PETAKOM Mart redirects to the Edit Product form page.
Status (Pass/Fail)	PASS

Test Case STD-REQ-106

Test Case ID	TC-01-106
Description Of Test	Testing on Edit Product form either the system allows Admin to edit the form.
Precondition	The Admin already clicks on the <<Edit Product>> button.
Test Input	The Admin edit the product details form.
Expected Test Result	The system allows Admin to edit product details form.
Actual Test Result	PETAKOM Mart allows Admin to edit product details form.
Status (Pass/Fail)	PASS

Test Case STD-REQ-107

Test Case ID	TC-01-107
Description Of Test	Testing on the <<Update>> button whether the button is functioning well to update Product details.
Precondition	The Admin completely edited the product details form.
Test Input	The Admin clicks on the <<Update>> button.
Expected Test Result	The system updates the Product details.
Actual Test Result	PETAKOM Mart updates the Product details.
Status (Pass/Fail)	PASS

Test Case STD-REQ-108

Test Case ID	TC-01-108
Description Of Test	Testing on the <<Delete>> button whether the button is functioning well to delete the Product.
Precondition	The Admin is already on the Product page.
Test Input	The Admin clicks on the <<Delete>> button.
Expected Test Result	The system deletes the Product.
Actual Test Result	PETAKOM Mart deletes the Product.
Status (Pass/Fail)	PASS

Test Case STD-REQ-109

Test Case ID	TC-01-109
Description Of Test	Testing on the display data either the system displays all the Products data.
Precondition	The Admin need to login into the system
Test Input	The Admin clicks on the <<Products>> button.
Expected Test Result	The system displays all details of the products.
Actual Test Result	PETAKOM Mart displays all details of the products.
Status (Pass/Fail)	PASS

3.2 Test Case 2 (Manage Profile)

(Muhammad Nafiz Bin Mansor & Siti Zulaikha Binti Abdul Manap CB20097)

Test Case STD-REQ-201

Test Case ID	TC-02-201
Description Of Test	Testing on the navigation bar either so that the system displays the pop-up Profile Detail.
Precondition	The Cashier need to login into the system
Test Input	The Cashier clicks on the <<Profile>> button.
Expected Test Result	The system displays the pop-up Profile Detail.
Actual Test Result	PETAKOM Mart displays the pop-up Profile Detail.
Status (Pass/Fail)	PASS

Test Case STD-REQ-202

Test Case ID	TC-02-202
Description Of Test	Testing on the navigation bar either so that the Admin can view the List of Staff interface.
Precondition	The Admin needs to login into the system.
Test Input	The Admin clicks on the <<Staff>> button.
Expected Test Result	The system displays the Manage List Staff table with a functional button.
Actual Test Result	PETAKOM Mart displays the Manage List Staff table with a functional button.
Status (Pass/Fail)	PASS

Test Case STD-REQ-203

Test Case ID	TC-02-203
Description Of Test	Testing whether the Admin can create new Staff information into the database.
Precondition	The Admin clicks on the <<Add New Staff>> button.
Test Input	The Admin key-in all information staff and clicks on the <<Add>> button.
Expected Test Result	The system displays the Manage List Staff table with a functional button and data stored in the database.
Actual Test Result	PETAKOM Mart displays the Manage List Staff table with a functional button and data stored in the database.
Status (Pass/Fail)	PASS

Test Case STD-REQ-204

Test Case ID	TC-02-204
Description Of Test	Testing whether the <<Delete>> button is fully functional.
Precondition	The Admin needs to login into the system.
Test Input	The Admin clicks on the <<Delete>> button.
Expected Test Result	The system displays the confirmation alert pop-up.
Actual Test Result	PETAKOM Mart displays the confirmation alert pop-up.
Status (Pass/Fail)	PASS

Test Case STD-REQ-205

Test Case ID	TC-02-205
Description Of Test	Testing either the system displays the confirmation message or not.
Precondition	The Admin needs to login into the system.
Test Input	The Admin clicks on the <<Delete>> button.
Expected Test Result	The system displays the confirmation alert pop-up.
Actual Test Result	PETAKOM Mart displays the confirmation alert pop-up.
Status (Pass/Fail)	PASS

Test Case STD-REQ-206

Test Case ID	TC-02-206
Description Of Test	Testing whether the <<Edit>> button is fully functional.
Precondition	The Admin needs to login into the system.
Test Input	The Admin clicks on the <<Edit>> button.
Expected Test Result	The system displays the user's information from the database.
Actual Test Result	PETAKOM Mart displays the empty profile form.
Status (Pass/Fail)	FAIL

Test Case STD-REQ-207

Test Case ID	TC-02-207
Description Of Test	Testing whether the <<Update>> button is fully functional.
Precondition	The Admin needs to login into the system.
Test Input	The Admin clicks on the <<Update>> button.
Expected Test Result	The system displays the updated user's profile.
Actual Test Result	PETAKOM Mart displays the updated user's profile.
Status (Pass/Fail)	PASS

3.3 Test Case 3 (Manage Payment)

(Siti Najihah Binti Daud CB20120)

Test Case STD-REQ-301

Test Case ID	TC-03-301
Description Of Test	Testing whether the <<Check Out>> button is fully functional.
Precondition	The Cashier needs to add an item to the cart.
Test Input	The Admin clicks on the <<Check Out>> button.
Expected Test Result	The system displays the popup page for the payment type.
Actual Test Result	PETAKOM Mart displays the popup page for the payment type.
Status (Pass/Fail)	PASS

Test Case STD-REQ-302

Test Case ID	TC-03-302
Description Of Test	Testing whether the <<Pay via Cash>> button is fully functional.
Precondition	The Cashier needs to click on the <<Check Out>> button.
Test Input	The Admin clicks on the <<Pay via cash>> button.
Expected Test Result	The system displays the popup page for the payment in progress.
Actual Test Result	PETAKOM Mart displays the popup page for the payment in progress.

Status (Pass/Fail)	PASS
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Test Case STD-REQ-303

Test Case ID	TC-03-303
Description Of Test	Testing whether the <<Pay via QR Pay>> button is fully functional.
Precondition	The Cashier needs to click on the <<Check Out>> button.
Test Input	The Admin clicks on the <<Pay via QR Pay>> button.
Expected Test Result	The system displays the popup page for the payment in progress.
Actual Test Result	PETAKOM Mart displays the popup page for the payment in progress.
Status (Pass/Fail)	PASS

Test Case STD-REQ-304

Test Case ID	TC-03-304
Description Of Test	Testing whether the <<Complete>> button for Payment via Cash is fully functional.
Precondition	The Cashier needs to click on the <<Pay via Cash>> button.
Test Input	The Admin clicks on the <<Complete>> button.
Expected Test Result	The system closed the popup page.
Actual Test Result	PETAKOM Mart closed the popup page.

Status (Pass/Fail)	PASS
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Test Case STD-REQ-305

Test Case ID	TC-03-305
Description Of Test	Testing whether the <<Cancel>> button for Payment via Cash is fully functional.
Precondition	The Cashier needs to click on the <<Pay via Cash>> button.
Test Input	The Admin clicks on the <<Cancel>> button.
Expected Test Result	The system closed the popup page.
Actual Test Result	PETAKOM Mart closed the popup page.
Status (Pass/Fail)	PASS

Test Case STD-REQ-306

Test Case ID	TC-03-306
Description Of Test	Testing whether the <<Close>> button for Payment via QR Pay is fully functional.
Precondition	The Cashier needs to click on the <<Pay via QR Pay>> button.
Test Input	The Admin clicks on the <<Close>> button.
Expected Test Result	The system closed the popup page.
Actual Test Result	PETAKOM Mart closed the popup page.
Status (Pass/Fail)	PASS

3.4 Test Case 4 (Manage Duty Roster)

(Siti Zulaikha Binti Abdul Manap CB20097)

Test Case STD-REQ-401

Test Case ID	TC-04-401
Description Of Test	Testing on the navigation bar either the system displays Duty Schedule Option.
Precondition	The Cashier need to login into the system
Test Input	The Cashier clicks on the <<Profile>> button.
Expected Test Result	The system displays the pop-up Profile Detail with Duty Schedule option..
Actual Test Result	PETAKOM Mart displays the pop-up Profile Detail with Duty Schedule option.
Status (Pass/Fail)	PASS

Test Case STD-REQ-402

Test Case ID	TC-04-402
Description Of Test	Testing either cashier can click on the duty schedule button.
Precondition	The Cashier need to login into the system
Test Input	The Cashier clicks on the <<Duty Schedule>> button.
Expected Test Result	The system displays the Duty Schedule page.
Actual Test Result	PETAKOM Mart displays the Duty Schedule page.
Status (Pass/Fail)	PASS

Test Case STD-REQ-403

Test Case ID	TC-04-403
Description Of Test	Testing either admin can add the duty schedule.
Precondition	The Cashier needs to enter the duty schedule page.
Test Input	The Cashier clicks on any date they want to add the new duty schedule.
Expected Test Result	The system displays the pop-up Add Duty Detail.
Actual Test Result	PETAKOM Mart displays the pop-up Add Duty Detail.
Status (Pass/Fail)	PASS

Test Case STD-REQ-404

Test Case ID	TC-04-404
Description Of Test	Testing either admin can drag the duty schedule in order to update the duty schedule.
Precondition	The Cashier needs to enter the duty schedule page.
Test Input	The Cashier clicks on any date they want to update the duty schedule.
Expected Test Result	The system displays the pop-up Update Duty Schedule Success.
Actual Test Result	PETAKOM Mart displays the pop-up Update Duty Schedule Success.
Status (Pass/Fail)	PASS

Test Case STD-REQ-405

Test Case ID	TC-04-405
Description Of Test	Testing either admin or cashier can click on the back button.
Precondition	The Cashier or the admin need to enter the duty schedule page.
Test Input	The Cashier clicks on the back button.
Expected Test Result	The system displays the previous page.
Actual Test Result	PETAKOM Mart displays the previous page.
Status (Pass/Fail)	PASS

Test Case STD-REQ-406

Test Case ID	TC-04-406
Description Of Test	Testing either the system displays the duty schedule.
Precondition	The Cashier or the admin need to click on the Duty Schedule button.
Test Input	The Cashier clicks on the Duty Schedule button.
Expected Test Result	The system displays the pop-up confirmation message.
Actual Test Result	PETAKOM Mart displays the pop-up confirmation message to alert admin whether they want to proceed deleting the schedule or not.
Status (Pass/Fail)	PASS

Test Case STD-REQ-407

Test Case ID	TC-04-407
Description Of Test	Testing whether the admin can delete the duty schedule.
Precondition	The admin needs to enter the duty schedule page.
Test Input	The admin clicks on any date on the duty schedule page.
Expected Test Result	The system displays the previous page.
Actual Test Result	PETAKOM Mart displays the previous page.
Status (Pass/Fail)	PASS

Test Case STD-REQ-408

Test Case ID	TC-04-408
Description Of Test	Testing either user can click on the next button.
Precondition	The Cashier or the admin is already at the Duty Schedule page.
Test Input	The Cashier clicks on the next button.
Expected Test Result	The system displays the next month's page.
Actual Test Result	PETAKOM Mart displays the next month's page.
Status (Pass/Fail)	PASS

Test Case STD-REQ-409

Test Case ID	TC-04-409
Description Of Test	Testing either user can click on the previous button.
Precondition	The Cashier or the admin is already at the Duty Schedule page.
Test Input	The Cashier clicks on the previous button.
Expected Test Result	The system displays the previous month's page.
Actual Test Result	PETAKOM Mart displays the previous month's page.
Status (Pass/Fail)	PASS

3.5 Test Case 5 (Manage Report)

(Muhammad Nafiz Bin Mansor CB20067)

Test Case STD-REQ-501

Test Case ID	TC-05-501
Description Of Test	Testing whether the Coordinator can view the report cashier.
Precondition	The Coordinator needs to enter the Login Interface.
Test Input	The Coordinator needs to click the “View as Coordinator” button.
Expected Test Result	The system redirects to the Report Main Page.
Actual Test Result	PETAKOM Mart redirects to the Report Main Page.
Status (Pass/Fail)	PASS

Test Case STD-REQ-502

Test Case ID	TC-05-502
Description Of Test	Testing whether the Coordinator can select any report date button.
Precondition	The Coordinator needs to enter the Report Main Page.
Test Input	The Coordinator needs to click one of the report date button.
Expected Test Result	The system redirects to the Report Detail Interface.
Actual Test Result	PETAKOM Mart redirects to the Report Detail Interface.
Status (Pass/Fail)	PASS

Test Case STD-REQ-503

Test Case ID	TC-05-503
Description Of Test	Testing whether Coordinator can sort the report by yearly, monthly or daily.
Precondition	The Coordinator needs to enter the Report Detail Interface.
Test Input	The Coordinator needs to click the “Yearly”, “Monthly” or “Daily” button.
Expected Test Result	The system redirects to sorting the graph of the report on the Report Detail Interface.
Actual Test Result	PETAKOM Mart redirects to sorting the graph of the report on the Report Detail Interface.
Status (Pass/Fail)	PASS

4.0 Acronyms and Abbreviations

NO	TERMS	DEFINITION
1	SDD	Software Design Documents
2	SRS	Software Requirement Specifications
3	REQ	Requirement
4	CPU	Central Processing Unit
5	RAM	Random Access Memory