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| Report 05: Software Test Documentation |
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| |  |  | | --- | --- | | **OOPMS Team** | | | **Group Members** | Ngô Đức Duy – 60163  Phạm Nguyễn Trường Giang – 60132  Tô Công Thanh Hải – 60140  Mạnh Hoàng Trương – 60003 | | **Supervisor** | Teacher Lê Ngọc Thạch | | **Project Code** | OOPMS | | **Document Code** | OOPMS\_STD \_v1.0 | |
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# Introduction

## System Overview

In this accelerating of technologies and economics, Project Management is growing extremely importance to organizations because it deals effectively with the management of change. Modern economics and business environment are complicated than ever, organizations are beginning to realize that the traditional forms of management cannot adapt efficiently to the dynamics and its resulting chaos.

In the future, software industries could very well depend on how quickly the procedures and systems of project management are adopted. Therefore, Project Manager will play a very important role within organizations. Our mission is to provide an online system which actively assists those managers in managing their project. The approaches and techniques that are used in the project management process are of interest to all those who wish to be more certain about achieving predetermined targets.

## Test Approach

The testing for this project will consist of Unit, System/Integration (combined) and Acceptance test levels. It is hope that there will be at least one full time independent test person for system/integration testing. The test manager with the development team’s participation will do most testing activity.

Unit Testing will be done by the developers and will be approved by the implementing team leader. Developers will manage all unit test information (sample, output, data printouts, and defect information…) and it can be showed when team required.

The test manager will perform System/Integration Testing and implementing team leader with assistance from the individual developers as required.

The test manager and development team leader will perform acceptance Testing. The acceptance test will be done for a period of 2 weeks after completion of the System/Integration test process. Programs will enter into Acceptance test after all critical and major defects have been corrected. A program may have one major defect as long as it does not obstruct testing of the program (There is a work around for the error). Prior to completion of acceptance testing all open critical and major defects must be corrected.

# Test Plan

## Features to be tested

### Dashboard

Test all functions in Dashboard page includes

* List of projects.
* Display projects’ health.
* Display projects’ basic information.
* Export report

### Planner

Test all functions in Planner page includes

* List of tasks.
* Display assignment.
* Add and assign task.
* Change task information.
* Feature sort, update, delete
* Export report

### Report

Test all functions in Report page includes

* List type of report to choose.
* Link to export chose kind of report.

### Project Eye

Test all functions in Project Eye page includes

* List of projects.
* Display projects’ information.
* Add new project.
* Edit projects’ information.
* Feature sort, update, delete
* Team management (add, update, delete user).
* Product management (add, update, delete).

Work Order management (insert, update delete stage, deliverable).

Change Request (insert, update, delete)

* Risk, Issue (insert, update, delete)

### Timesheet

Test all functions in Timesheet page includes

* List of timesheet.
* Display timesheet.
* Add timesheet.
* Feature sort, update, delete
* Export report

### DMS

Test all functions in DMS page includes

* List of defects.
* Add, assign defect.
* Feature sort, update, delete
* Export report

### Requirement

Test all functions in Requirement page includes

* List of requirements.
* Add requirement.
* Feature sort, update, delete
* Export report.

### Admin

Test all functions in Admin page includes

* List of users.
* Reset password for user.
* New users.
* Feature update, delete user
* Create, Update, delete project

## Features not to be tested

The following is a list of the areas that will NOT be tested in this system:



### Text formatting

There was not enough time and this feature is not so important, so we pass this case and assume that all the text is format correctly.

### Image formatting

There was not enough time and this feature is not so important, so we pass this case and assume that the entire image is not need to format correctly.

### Performance

There was not enough time so we cannot optimize source code and improve performance. We can only ensure the system work well but not at its best performance.

### Network Connection & Security

With each user, it will be different. We only ensure that this system will affect to network.

### Performance

There was not enough time so we cannot optimize source code and improve performance. We can only ensure the system work well but not at its best performance.

## Test Cases

To be updated

### Sample - Student – Edit Private Information

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected Output** | **Inter-test case Dependence** | **Result** | **Test Date** | **By** |
| **Steps** 1. Login the web page with Staff role. 2. Click "**Private Information**" tab in the top menu. | | | | | | | |
| **Open form Edit Student’s Information** | | | | | | | |
| [RSG-1] | Test form edit student’s information | - Click “Edit Information” hyperlink in the bottom side of page. | - Appear a form that allow user ( student ) to edit your information |  | Pass |  |  |
| [RSG-2] | Test validation data with “Full Name” textbox | - Click “Edit Information” hyperlink in the bottom side of page.  - das | - Type wrong format or leave it empty then click “Update button” |  | Pass |  |  |
| [RSG-3] | Test validation data with “Day of Birth” textbox | - Click “Edit Information” hyperlink in the bottom side of page.  - das | - Type wrong format or leave it empty then click “Update button” |  | Pass |  |  |
| [RSG-5] | Test validation data with “Email” textbox | - Click “Edit Information” hyperlink in the bottom side of page.  - das | - Type wrong format or leave it empty then click “Update button” |  | Pass |  |  |
| [RSG-6] | Test validation data with “Student Identity” textbox | - Click “Edit Information” hyperlink in the bottom side of page.  - das | - Type wrong format or leave it empty then click “Update button” |  | Pass |  |  |
| [RSG-7] | Test validation data with “Phone” textbox | - Click “Edit Information” hyperlink in the bottom side of page.  - das | - Type wrong format or leave it empty then click “Update button” - Type wrong format or leave it empty then click “Update button” |  | Pass |  |  |
| [RSG-9] | Test edit student’s information | - Click “Edit Information” hyperlink in the bottom side of page.  - Filter information  - Click “Update” button | - Redirect to “PrivateInformationPage” again. And new data information will be updated when update successfully and the message box when updated failed. |  | Pass |  |  |

### Dashboard

### Planner

### Report

### Project Eye

### Timesheet

### DMS

### Requirement

### Admin

## Checklists



### Checklist of Validation

|  |  |  |  |
| --- | --- | --- | --- |
| Question | Yes | No | N/A |
| 1. Does a failure of validation on every field cause a sensible user error message? |  | x |  |
| 2. Is the user required to fix entries which have failed validation tests? |  |  | X |
| 3. Have any fields got multiple validation rules and if so are all rules being applied? | x |  |  |
| 4. If the user enters an invalid value and clicks on the OK button (i.e. does not TAB off the field) is the invalid entry identified and highlighted correctly with an error message? |  | x |  |
| 5. Is validation consistently applied at screen level unless specifically required at field level? | x |  |  |
| 6. For all numeric fields check whether negative numbers can and should be able to be entered. | x |  |  |
| 7. For all numeric fields check the minimum and maximum values and also some mid-range values allowable? |  | x |  |
| 8. For all character/alphanumeric fields check the field to ensure that there is a character limit specified and that this limit is exactly correct for the specified database size? |  |  | X |
| 9. Do all mandatory fields require user input? | x |  |  |
| 10. If any of the database columns don't allow null values then the corresponding screen fields must be mandatory. (If any field which initially was mandatory has become optional then check whether null values are allowed in this field.) | x |  |  |

### Submission Checklist

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Question | | Yes | No | N/A |
| TABLES AND FIGURES | | | | |
| 1 | Does every table column, including the stub column, have a heading? | x |  |  |
| 2 | Are all tables referred to in text? | x |  |  |
| 3 | Are the elements in the figures large enough to remain legible after the figure has been reduced to the width of a journal column or page? |  |  | x |
| 4 | Is lettering in a figure no smaller than 8 points and no larger than 14 points? |  | x |  |
| 5 | Are the figures being submitted in a file format acceptable to the publisher? |  |  | x |
| 6 | Has the figure been prepared at a resolution sufficient to produce a high-quality image? |  |  | x |
| 7 | Are all figures numbered consecutively with Arabic numerals? |  | x |  |
| 8 | Are all figures and tables mentioned in the text and numbered in the order in which they are mentioned? | x |  |  |
| REFERENCES | | | | |
| 1 | Are references cited both in text and in the reference list ? |  |  | x |
| 2 | Do the text citations and reference list entries agree both in spelling and in date? |  |  | x |
| 3 | Are journal titles in the reference list spelled out fully? |  | x |  |
| 4 | Are the references (both in the parenthetical text citations and in the reference list) ordered alphabetically by the authors’ surnames? |  | x |  |
| 5 | Are inclusive page numbers for all articles or chapters in books provided in the reference list? |  | x |  |
| 6 | Are references to studies included in your meta-analysis preceded by an asterisk? |  | x |  |
| FORMAT | | | | |
| 1 | Have you checked the journal’s website for instructions to authors regarding specific formatting requirements for submission? |  | x |  |
| 2 | Is the entire manuscript—including quotations, references, author note, content footnotes, and figure captions—double-spaced ? Is the manuscript neatly prepared? |  | x |  |
| 3 | Are the margins at least 1 in. (2.54 cm)? |  |  | x |
| 4 | Are the title pages, abstracts, references, appendices, content footnotes, tables, and figures on separate pages (with only one table or figure per page)? Are the figure captions on the same page as the figures? Are manuscript elements ordered in sequence, with the text pages between the abstract and the references? |  |  | x |
| 5 | Are all pages numbered in sequence, starting with the title page? | x |  |  |
| PARAGRAPHS AND HEADINGS | | | | |
| 1 | Is each paragraph longer than a single sentence but not longer than one manuscript page? |  |  | x |
| 2 | Do the levels of headings accurately reflect the organization of the paper? | x |  |  |
| 3 | Do all headings of the same level appear in the same format? | x |  |  |

# Appendix A: Test Logs

## Test Results

To be updated

Sample column:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Module code | Pass | Fail | Untested | N/A | Number of test cases |

## Incident Report



### [Incident Brief Description]

To be updated

**Description:** ….

**Reason**: ….

**Solution**: ….