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| Introduction |
| OOPMS |
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| **Author: Team OOPMS – Supervisor: Lê Ngọc Thạch** |
| **Ho Chi Minh, 16th May, 2012** |

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**Record of Changes**

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| --- | --- | --- | --- | --- |
| **Date** | **Change Item** | **Description** | **Author** | **Version** |
| 10th May, 2012 | Overview, Scope, Project Title, Project start date/finish date, Team member, Current System | Create the document | DuyND | 0.1 |
| 10th May, 2012 | Solution, Product, Main Acceptable Criteria, License, References | Create the document | GiangPNT | 0.1 |
| 11th May, 2012 | Overview, Scope, Project Title, Project start date/finish date, Team member, Current System | Review + Modify | TruongMH, DuyND | 0.2 |
| 15th May, 2012 | Solution, Product, Main Acceptable Criteria, License, References | Review + Modify | HaiTCT, GiangPNT | 0.2 |
| 16th May, 2012 |  | Summarize | TruongMH, HaiTCT | 1.0 |

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# Introduction

## 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.

## Scope

This project aims to create an online software project management system. With friendly interface, powerful tools, OOPMS provides powerful and efficient customized service for numerous kinds of managers from small to medium projects. Besides, OOPMS can be deployed on J2EE portal servers (JSR168, JSR268).

## Project Title

Project Full name: Online Project Management Suite on Portal Framework

Project code: PMS

Software name: OOPMS

## Project start date/finish date

From May-07-2012 to Aug-18-2012

## Team member (Role and Responsibility)

|  |  |  |
| --- | --- | --- |
| Name | Roles | Responsibilities |
| Lê Ngọc Thạch | Project Manager | Supervisor, Assistant, Director |
| Ngô Đức Duy | Team Leader | Control, Audit, Support, Engineer, Training, Customer Support |
| Mạnh Hoàng Trương | Team Member | Engineer, Training, Customer Support |
| Phạm Nguyễn Trường Giang | Team Member | Engineer, Training, Customer Support |
| Tô Công Thanh Hải | Team Member | Engineer, Training, Customer Support |

## Current System (Limit)

There are many current systems which provide project management services. But still, project managers find it extremely problematic to apply those systems into their real projects. There are numerous reasons making these systems very difficult to be used efficiently:

1. Unfriendly Interface
2. Complicated Process
3. Large cost
4. Not open source
5. Not modularization

## Solution

From above issues of current project management systems; we introduce a new system with powerful features for small and medium projects:

* Provide friendly user interface.
* Add more visual items to help user easy to use, reduce ambiguous logic, improve performance.
* Provide useful report function.
* Integrate in mobile phone to support tracking and making decision for managers anytime.

## Product

Include functions:

1. **Dashboard**: show present status of projects which have been created in OOPMS. Project managers and others senior manager can easily track and monitor status of their project.
2. **Planner**:
   1. Allow users import Microsoft Project file (\*.mpp) into OOPMS and in the future, users also can edit and export \*.mpp files at OOPMS;
   2. Create task and assign task to team members.
3. **Report**: support creating report of project weekly and allow Team leader of project add more comments to the report.
4. **Project Eye**: manage detail information about a specific project.
5. **Time Tracking**: manage working time of team members.
6. **DMS**: manage defects of projects.
7. **Requirement**: include list of requirements (function, non-function). Allow users to keep track status of those requirements
8. **Admin**: Allow admin to manage users and manage system data.

Benefits of product

OOPMS is a system that supports Project managers efficiently.

OOPMS is also provided as an android application for project managers to monitor general information about project.

At the website, Project manager can setup and manage any software project easily via Dashboard system and Report system which are updated continuously day by day.

A special benefit of OOPMS system is portability and compatible with J2EE Portal server(JSR168, JSR268). With an android mobile, you can check your project status at any time anywhere.

# Main Acceptable Criteria

The system is 24/7 system.

Accuracy:90%

Critical bugs:

+ Loss of all data: no

+ Unable to use part of the system’s functionality: not any

Performance:

Response time for a search:

Average2 second / search

Maximum: 3 second/ search

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| --- | --- | --- | --- |
| Item | In progress | | After release |
| Self Review | Peer Review |
| Document | 2 bug/page (min) | 1bug/page (min) | 2bug/10page(max) |
| Source Code | 20Wdef/1KLOC(min) | 8Wdef/1KLOC(min) | 3Wdef/1KLOC(max) |

*\*Note :*

*Wdef : Weighted defect*

*Type Weight*

*- Bug layout and coding convention 1*

*- Bug logic of code 3*

*- Bug fatal error 5*

# License

OOPMS is licensed under the [Apache License, Version 2.0](http://www.apache.org/licenses/LICENSE-2.0) as approved by the Open Source Initiative (OSI), an [OSI-certified](http://www.opensource.org/docs/osd) ("open") and [Gnu/FSF-recognized](http://www.gnu.org/licenses/license-list.html) ("free") license.

# References

Wikipedia.org

FMS System