Reflection Paper

**Van Lang University**

**Capstone Project**

**K14T**

**1/12/2012**

Team 05

This document specify some difficulties, solutions, and lesson learn from facing against them in each phase while developing Personal Information Management module from Human Resource Management for Capstone Project in 2011 – 2012.

# Revision History

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| --- | --- | --- | --- |
| Name | Date | Reason for changes | Version |
| KhoiNguyen Dinh | 01/12/2012 | initial version, add reflection for architect and project management phase | 1.0 |
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1. Introduction

# Product Overview

Personal Information Management (PIM) is a module within Human Resource Management system for Van Lang University. It helps Human Resource Planning and Managing Department easy to manage staffs’ information.

# Document Overview

This is a “live” document which is developed and updated throughout project developing duration. In reflection section, there are five small chapters represent for each phase of developing PIM. They are:

* Project Management,
* Requirement,
* Architecture and Design,
* Implementation,
* And Testing.

1. Reflection

# Project Management

This is the most important phase for developing PIM. It is started from the very beginning of the project and closed after the product is delivered. In this phase, we must define the fittest schedule and a perfect plan for capstone project.

We decided to add five people in charge for this phase, they are one leader who is the ultimate one, and four leader of each developing phase. However, we still face some challenges, which are shown in the following table. Upon these difficulties, we did learn much useful knowledge.

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| --- | --- | --- | --- |
| No. | Difficulties | Solution | Lesson Learn |
| 1 | Members don’t care about Risks in project and don’t update Risk Category | Follow risk plan, plan about integration for risk | Knowing more about manage risk better |
| 2 | Too much and more difficult to measurement | Research about measurement, implement Goal-Question-Metric | Knowing more definite about metrics and how to get it |
| 3 | Project difficult to control and monitoring | Plan for detail plan, WBS, implement tracking and monitoring through measurement about schedule deviation metric |  |
| 4 | 360 review is not good conduct | Require team member write reflection base on 360 review | Knowing about management and communicate between team member |
| 5 | Team member is not complete work on time | Re-estimate, and evaluate effort of team member | Conduct measurement about productivity |

# Requirement

# Architect and Design

In this phase, we will develop a design that can be easily implemented later. Therefore, we must choose the best architect for HRM in general, and PIM in specific.

To make the product more useful and friendly, we have to choose Silverlight which is quite difficult for us. In addition to this difficulty, all challenges are described in the following table

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Difficulties | Solution | Lesson Learn |
| 1 | There are a lot of technologies that need to be researched | Spending more effort for researching about new technologies, e.g. WCF, MVVM,Telerik… | Knowing more about how using the WCF,MVVM, Telerik in architect. |
| 2 | The important requirements changes so much | Dealing with the customer to give the specific baseline. | Everything we do need to be baselined to make sure that the customer will not change the requirement |
| 3 | Being lack of the experiences in architect, so it is difficult to get the consensus between the architect and detail design | Asking the mentor and the internet for the solution in architect to give the good architect. Besides, explaining about the architect and dealing with design team are necessary | Researching more about the new technologies that are used in architect to give the accuracy architect |
| 4 | Being lack of the resource for architect phase, so that it makes the schedule is always behind | "Recruiting" more resource for architect phase | Apportioning the resource in each phase appropriately. Avoiding being lack of resource |
| 5 | Requirement phase is always behind the schedule | Dealing with the Requirement team to give the consensus about the key requirement for architect | Communicating with Requirement team to get the key requirements. Avoiding waiting the requirement phase has done and then start the architect phase |

# Implementation

# Testing