**Project plan**

Admission system

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# **Revision**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Version** | **Update date** | **Author** | **Content** |
| 1 | 1.0 | 07/11/2013 | Le Ngoc Chau | Create document |
| 2 | 1.1 | 25/11/2013 | Le Ngoc Chau | Update Introduction |
|  |  |  |  |  |

Table 1: Revision history

# **Introduction**

## 2.1. Purpose

Develope module that allows Infomation management centre can manage admission system easily, include:

- Compose information tool

- Category tool

- Ask and answer tool

Beside that, development an application that supports mobile device which use android from spring core framework of java

## 2.2. Project scope

The module is used by Infomation management centre of Van Lang University.

* Compose information tool shows the latest news of website tuyensinh.vanlanguni.edu.vn.
* Category tool is installed dynamic items by users
* Ask and answer tool will help user search title of their questions, if don’t have title that they want to search, they can make new title and send their question to server.

## Project deliverables

* Architectural driver document
* Architectural design document
* Detail design document
* Test document
* Install and user guide document

## The implementation of project management

* All changes must be approved from the Change control board before going into practice.
* All changes must be documented and updated continuously.

## Reference

* K14T, K15T graduation projects
* Technical reading software project management
* Final project of SPM course - FGS Logistic

## 2.6. Definition and acronyms

|  |  |  |
| --- | --- | --- |
| **No** | **Acronyms** | **Description** |
| 1 | UC | Use case |
| 2 | ConOps | Concepts of Operation |
| 3 | URD | User requirement document |
| 4 | SRS | System requirement specification |
| 5 | SDS | Software detail design specification |
| 6 | WBS | Work breakdown structure |
| 7 | PM | Project manager. |

Table 2: Definition and acronyms

# **Project Organization**

## Process model



Figure 1: Admission system development process

## Description

|  |  |  |
| --- | --- | --- |
| **No** | **Step** | **Description** |
| 1 | ACDM | * Using ACDM to define architectural drivers document and architecture design specification that supported for define product backlog. * Product owner creates a poduct backlog based on user story from customer and implement backlog refinement meeting to estimate those product backlog items. * Product owner has responsibility to create prioritization for product backlog items list. The product owner and scrum master can work together and agree on the prioritization of product backlog items * Product owner and scrum master discuss and decision conditions of satisfaction (goals for the schedule, scope, resources)   ***More detail about ACDM: Ref architecture plan and requirement plan*** |
| 2 | Sprint planning meeting | * Scrum master creates a release plan - A very high-level plan for multiple sprints. |
| 3 | Review and choose story items and pull it into sprint backlog | * The (estimated) velocity of the scrum team * The SM pulls the first PBI that needs estimating and gives a verbal description of the PBI to the Development Team * Development team analyzes the relative “bigness” of a product backlog items by gut feel and come to a consensus * Development team discusses differences in the numbers assigned to each PBI, and then vote again |
| 4 | Daily meeting and review | * Only development team member can actively talk during this meeting, until the very end and the scrum master keeps the meeting on track ensures that any discussions don’t go too far outside these constraints |
| 5 | Implement sprint | * Implement detail design * Implement task and unit test * Update daily report |
| 6 | Review sprint | * Development Team demonstrates sprint accomplishments to the attendees and tester will run User Acceptance Test case with customer. |
| 7 | Release sprint product | * Release install and user guide document |
| 8 | Pre- next sprint | * Repair and decision to choose story item for next sprint |

Table 3: Admission project development process description

## Mapping of Scrum and ACDM activities

## Role and responsibility

|  |  |  |
| --- | --- | --- |
| **No** | **Role** | **Responsibility** |
| 1 | Product owner | This is normally a person in the division who is responsible for feature prioritization and overall acceptance of developed code. |
| 2 | Scrum master | The scrum master is a certified scrum master who oversees and ensures compliance with the admission project development process. The scrum master takes ownership for manage all product backlog items, removes impediments, and ensures proper estimation of each product backlog item. The scrum master is an expert and works directly with the product owner. |
| 3 | Development team | This is team that include persons who implement sprint to release sprint product in the end of sprint |
| 4 | Managing engineer |  |
| 5 | Requirement engineer |  |
| 6 | Chief Architecture |  |
| 7 | Chief Scientist |  |
| 8 | Support engineer |  |
| 9 | Quality process engineer |  |
| 10 | Product engineer |  |

Table 4: Role and responsibility in Admission project development process

## Mapping role in Scrum and ACDM

|  |  |
| --- | --- |
| **Scrum** | **ACDM** |
| Scrum master | Managing engineer |
| Development team | Requirement engineer |
| Chief architecture |
| Chief scientist |
| Support engineer |
| Product engineer |

Table 5: Mapping role in Scrum and ACDM

## Team structure

|  |  |  |
| --- | --- | --- |
| **No** | **Team member** | **Roles** |
| 1 | Le Ngoc Chau | Development team |
| 2 | Khau Thanh Dao | Development team |
| 3 | Ngo Quang Huy | Scrum master |
| 4 | Nguyen Phan Xuan Huy | Development team |
| 5 | Huynh Trong Khang | Product owner |
| 6 | Ta Ngoc Thien Phu | Development team |

Table 6:Team structure

# **Managerial Process**

## Management Objectives & Priorities

* Provide product in the 30-weeks period and within the proposed budget.
* Identify priority to complete the module to meet the requirements of customers in each period.
* Members of the team must meet and report progress of work assigned with person who has
* responsibility and scrum master weekly
* Meet the customers to report the progress of work with customers at the same time control and determine if any changes from the customers side weekly.

## Assumptions, Dependencies & Constraints

* Time and cost must be satisfied.
* Products must be reliable, satisfactory.
* Products must be consistent with functional and non-functional requirements which were identified
* Products must be friendly with user and easy to use
* All architect document have to review by customer and transfer for customer.

## Risk management plan

* Refer to folder: Risk management plan

## Change management plan

* Refer to folder: Change management plan

## Configuration management plan

* Refer to folder: Configuration plan

## Measurement plan

* Refer to: folder: Measurement plan

## Communication plan

* Refer to folder: Communication plan

## Architecture and design plan

* Refer to folder: Design

## Implement plan

* Refer to folder: Code

## Test plan

* Refer to folder: Test

## Team charter

* Refer to folder: Team charter

## Master Plans

N/A

# **Technical Process**

## Methods, Tools and Techniques

* Java 6
* Spring 3 + hibernate
* Maven 2
* Eclipse
* DB: MySQL
* Android app: sdk 4

## Software documentation

* Document software must comply with the standards of the development team.
* Review of documents will be carried out by the Scrum master at each stage of the job done.

# **Work Packages, Schedule**

## Work Packages

N/A

## Milestone



## Schedule

N/A