Project Plan
for
Student Information System

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CPSC 546 - Modern Software Management

Professor Bin Cong

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1.0 Introduction

We will analyze the requirements for an online class listings and management system while implementing a modified version of Scrum. This will include a product backlog, user stories, release plan, three sprints, a summary report and a revision history.

1.1 Project Overview

The California State University at Fullerton wants an online system developed that shall maintain their schedule of course offerings, register students in classes, show class rolls, and record grades.

1.2 Project Objectives

- Develop a product backlog
- Set time estimates for each item in the product backlog
- Create release plan and refine as needed after each sprint
- Track issues in an excel table after each sprint
- Develop a preferred implementation of Scrum-like processes for project
- Record improvements in retrospective meetings
- Create associated burndown charts
- Define the "done" criteria for the top 10 user stories in the product backlog
- Analyze and identify the top 5 risks at the beginning of each sprint
- Check for compliance in regards to CMMI V1.3's PP and PMC specific practices
- Create a project summary report

1.3 Business Objectives

- Increase accessibility to students and faculties
- Reduce cost by reducing the amount of paperwork
- Increase efficiency by providing up-to-date information
- Create a reliable system that is available 99% of the time

2.0 Scope of Work

The scope of this project will cover the online system to display course offerings, status and record of classes, add/drop functionality, and registration. It will also deal with the administration side for the professors with prerequisites, grading functionality, and additional records functionality for administrators as well.

3.0 Project Organization

- Process definition
- Product backlog
- User stories
- Release plan
- Sprints (3) including: top 5 risks, refined release plan, sprint backlog, and retrospective meeting
- Summary report
- Revision history

3.1 Team Roles & Responsibilities

Name	Team Role	Responsibilities
Catherine Do	Scrum Master	Provides an environment where the team can work unimpeded. Acquire resources for the team and ensures that the team adheres to the Scrum principles. The scrum master acts as a coach to the scrum team.
Noemi Quezada	Product Owner	In charge of prioritizing the features that need to be developed. Decides which features the team should build and when they should build it.
Noemi Quezada	Scrum Team	Create a product according to the user's requirements and develop the product in a

Catherine Do Holly Do David Jew		timely manner. Must meet daily and discuss what they did and bring up any problems that they may have encountered.	

4.0 Schedule and Budget

4.1 Schedule and Milestones

Milestones	Description	Milestone Criteria	Planned Date
M0	Start Project		Start - 2/22/16
	Process Definition		Due - 3/1/2016
M1	Start Planning		Start- 3/1/2016
	Vision and Scope Definition	Scope and Vision of product defined.	Due - 3/4/2016
	Product Backlog	User Stories defined and estimated	Due - 3/11/2016
	Release Plan	Project Release Plan	Due - 3/18/2016
M2	Start Execution	2 week sprints	Start - 3/21/2016
	Sprint 1		3/21/2016 - 4/4/2016
	Sprint 2		4/4/2016 - 4/18/2016
	Sprint 3		4/18/2016 - 5/2/2016
M3	Create Documentation		Start - 5/3/2016
	Summary Report		Due - 5/13/2016
M4	Close Project		05/15/2016

5.0 Risk Management

5.1 Project Risks

Major risks that were identified:
- Time constraint, resulting in late delivery of product
- Changes to requirements made by product owner
- Product does not meet user's expectations
- Reusability issues
- Deviation from software engineering standards

6.0 Users

Users	Functions
Student	- Log in system - Request classes - Drop courses - View grades
Administrator	- Enter new students or professors - Assign passwords - Revoke student's or professor's authorization - Enter the semester's class schedule, class description, and prerequisites - Enter list of courses for degree major
Professor	- View class's roll, student's schedule, student's course history - Drop students - Enter grades