Software Project Management Plan

Project Name: CS3321 Learning Management System

Date: 4/22/2019

Revision: Version 2.0

Author: Deniz Candas

Software Project Management Plan

# Project Summary

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| --- | --- |
| Project Name | CS3321 Learning Management System |
| Customer Name | Yuchou Chang |
| Project Leader | Long Nguyen-Duong |
| Project Start Date | Jan 27, 2019 |
| Project End Date | April 28, 2019 |
| Project Type  (Development, Feasibility) | Development |
| Platform | Web |

## Project Objectives and Scope

Project aims to create a learning management system (LMS) to aid university personnel to track student data such as course grades, GPA, student info of a student in a given semester. Data will also be available to the student for review. Both the administrator and students will access the system via password set by administrator. Student will use his/her student id to review data. Administrator will be able to add and delete new students into the system. And will also be able to add / drop courses and test scores of students. System will calculate students` semester GPA based on test scores.

## Abbreviations and Definitions

UML - Unified Modeling Language

PHP - Hypertext Preprocessor

JSON - JavaScript Object Notation

## Project and Customer Contact Personnel

|  |  |  |
| --- | --- | --- |
| Name, Title,  Expertise, Responsibility | Phone Number | Email Address |
| Yuchou Chang | (713) 226-5215 | changy@uhd.edu |

## Commitments Made to the Customer

|  |  |  |
| --- | --- | --- |
| Seq No | Milestone Date | Stage:  Deliverables |
| 1 | April 24, 2019 | Design  Implementation |
| 2 | April 28, 2019 | Delivery |

## Assumptions Made while Planning

Due to team members` commitments of other classes during the semester it is assumed that deadlines may not be met. In order not to cause major delay it is decided to use a multi user communication platform instead of peer to peer communication.

## Standard Process Followed

Rapid prototype model will be used for this project. Iterations will be done based on team feedback. Every team member is responsible for quality assurance.

#### Requirements Document

Requirements of the project were set by project assignment documentation. It is decided which requirements will be met by the prototype at the first meeting. It is decided to craft a use case diagram to reflect agreed requirements. It is also decided to create an architecture diagram to reflect software architecture.

1. Requirements Document Review

#### Prepare Prototype

Prototype will have to satisfy all use cases on the diagram. It is decided prototype will created as soon as team members obtain enough experience at PHP to satisfy all use cases.

Work Product: Project Assignment Documentation / Use Case Diagram

1. Review

## Development Environment

### Software and Tools Requirements

|  |
| --- |
| **Software/Tool Requirement** |
| Communication Platform - Discord |
| PHP supported text editor – Eclipse |
| PHP (Latest Version) |
| Hosting (Deployment) Platform - Heroku |
| Collaboration Platform - Github |

## Training Plan

|  |  |  |
| --- | --- | --- |
| Training Area: | Duration  (Days) | Team Member Names |
| PHP | TBD | Brian Case |
| PHP | TBD | Long Nguyen-Duong |

## Inspections

|  |  |
| --- | --- |
| Review Item | Type of Review |
| Requirements | Full Review |
| Software Project Mgmt Plan | Full Review |
| Design | Full Review |
| Acceptance Test | Full Review |

## Risks

It is decided to create the project with a programming language that most of the team members does not have experience with. All team members agreed learning something new on course of this project would be beneficial to the team. There is a small because of this fact. It is decided to review this decision in case prototype will not be ready by April 15th.

# Project Team

## Project Responsibility

|  |  |
| --- | --- |
| Name | Role(s) |
| Long Nguyen-Duong | Project Leader Backend Developer |
| Deniz Candas | Documentation Assistant  Quality Assurance |
| Brian Case | Backend Developer  Quality Assurance |
| Jeremy Johnson | Frontend Developer  Quality Assurance |

## Roles & Responsibilities

**Project Leader** – Assigns roles and duties to team members. Reviews work of team members.

**Backend Developer** – Responsible for development of functional parts of the system. PHP & HTML files etc.

**Frontend Developer -** Responsible for styling. CSS files.

**Documentation Assistant** – Responsible for creating SPMP, UML diagrams etc. and their consistency.

|  |  |  |
| --- | --- | --- |
| Name | Telephone Number(s) | Email Address(es) |
| Long Nguyen-Duong |  |  |
| Deniz Candas | 8326381526 | ozdenizcandas@gmail.com |
| Brian Case |  |  |
| Jeremy Johnson |  |  |

## Team Communication

It is decided that a multi-user discord chatroom will be used throughout the process to communicate and also keep track of past communication.