# Project Title

Team name

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CS 3321: Introduction to Software Engineering

Department of Computer Science and Engineering Technology

University of Houston – Downtown

Spring 2019

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**Abstract**

As students, we are taught the theoretical and conceptual ideas and tools that we may apply in private and public sectors after graduation. We are given the opportunity to apply class room learning to a hand-on project. We (Emmanuel Ogunkoya, Jonathan Thomas, Savorn Sam, Christopher Kania and Aaron Raoofi) will take concepts taught in class, along with our cumulative working knowledge in various programming languages, as real-world experiences and apply them in creating a functioning “Learning Management System” which will display various student information as it pertains to a university institute.

# Mission Statement

The Learning Management System will provide information about a student(s) academic information, such as, student’s name, student’s ID, registered courses in the current semester, each exam’s scores in one course, GPA calculation in the current semester.

# Mission Objectives

[TBC]

**Chapter 1: Introduction**

# Software Project Management Plan (SPMP)

Currently, our team will be using the Democratic Team Approach (DTA). As this is an early stage, each member has voluntarily expressed his or her interest and strengths as well as volunteered for various aspects in this project.

# Member Roles

Aaron Raoofi -

Christopher Kania –

Emmanuel Ogunkoya -

Jonathan Thomas -

Savorn Sam -

# Entities

[TBC]

# Classes

[TBC]

**Chapter 2: Major User View**

**Chapter 3: use cases**

**Chapter 4: Diagrams**

# Section 1.1: UML

[TBC]

# Section 1.1: E/R Diagram



administrators



teacher\_id INT(11)



fname VARCHAR(30)



lname VARCHAR(30)

Indexes



courses



course\_id INT(11)



name VARCHAR(30)



teacher\_id INT(11)

Indexes



grades

student\_id INT(11)

course\_id INT(11)



quiz1 INT(11)



quiz2 INT(11)



quiz3 INT(11)



midterm INT(11)



final INT(11)

Indexes



students



student\_id INT(11)



fname VARCHAR(30)



lname VARCHAR(30)



major VARCHAR(30)



course\_id INT(11)

Indexes

# Section 1.1: Detail Class Diagram

[TBC]

**Conclusion**

**references**

**Appendix A: Responsibilities**