

Milestone 2

July 2017

1 Team Name:

Hello 215

2 Team Members Name and NSID

Name: Yinsheng Dong (yid164)

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Name: Yanzhao Lu(yal121)

3 Project Name

Student Information Record System.

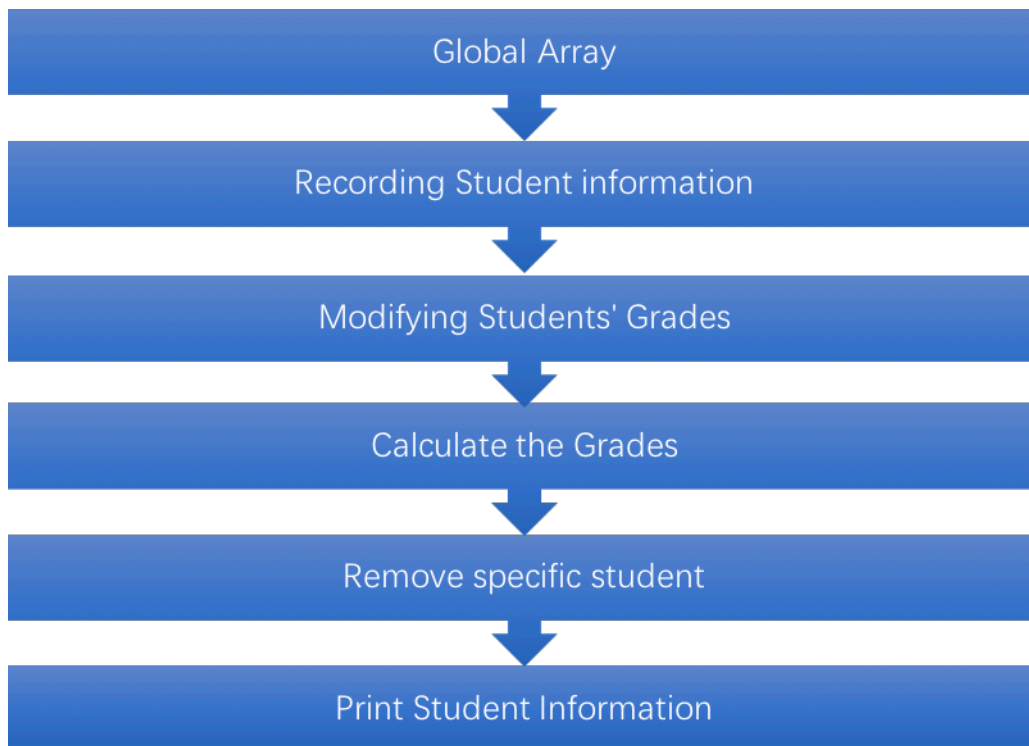
4 Project Description

This is a recording system using MIPS assembly. This system is for class grade recoding. When a new student registered for the class, an array will be created to store the information of the student, including the student's name, student number, assignment grades, exams grades. It can also show a student's information by calling a function which includes a method to calculate final grade. In addition, it can show information of all students who registered the course. The system will remove students' information once

they withdraw from the course. There will be a function to modify grades, and the system will be calculating the average grade automatically.

5 Project Design

This is our flow chart:



1. Global Array: Save student information needed for the System
2. Recording Student information: Allows user to enter the student name, then record the student name, create unique student ID for the student. And initialize the grades.
3. Modifying Students' Grades: User can modify/update specifically student's grades by enter student's ID.
4. Users can calculate the final grade of a specific student, or

- the average grade of assignments/exams for all students.
5. Remove specific student: Users can remove a student from the array by entering ID
 6. Print Student Information: The program can print specifically student's information by searching ID, or print all student's information in an array.

We will use 16-bit graphic display in our project, Our mock design:

The mock design is a blue rectangular interface divided into four quadrants by a white cross. In the center, overlapping the cross, is a light blue rounded rectangle containing the text "Hello 215".

- Top-Left Quadrant:** Contains the text "Record A Student" and "Please Enter student's name:" followed by a white horizontal input line.
- Top-Right Quadrant:** Contains the text "Remove Student" and "Please Enter student's ID:" followed by a white horizontal input line.
- Bottom-Left Quadrant:** Contains the text "Print Student Information" and "Please Enter the ID for print student:" followed by a white horizontal input line.
- Bottom-Right Quadrant:** Contains the text "Moditfy Grades" (note the typo), "Please Enter the ID for student:" followed by a white horizontal input line, and "Please Enter the grade:" followed by a white horizontal input line.

We will try to do this, but the real thing will be slightly different.

6 Project Goal

July 16: Decide functions in the system and give explanation. (Completed)

July 19: List data and variables. (Completed)

July 24: Implement functions for student information recording.

July 30: Implement functions for grade recording and average calculation.

August 2: Testing and debugging with data.

August 14: Final version.

August 14: Complete final report.

7 SVN log: <https://svn.cs.usask.ca/svn/student/215/hello215/>

```
uofs-10-227-132-168:215Project Ken$ svn log
[-----]
r7 | yal121@USASK.CA | 2017-07-20 14:46:35 -0600 (Thu, 20 Jul 2017) | 1 line
Mock display graph for 215 project
[-----]
r6 | hal356@USASK.CA | 2017-07-20 14:43:26 -0600 (Thu, 20 Jul 2017) | 1 line
Flow char for 215 project design
[-----]
r5 | zhl798@USASK.CA | 2017-07-20 14:42:59 -0600 (Thu, 20 Jul 2017) | 1 line
description
[-----]
r4 | zhl798@USASK.CA | 2017-07-20 13:40:25 -0600 (Thu, 20 Jul 2017) | 1 line
function list
[-----]
r3 | yid164@USASK.CA | 2017-07-18 17:05:13 -0600 (Tue, 18 Jul 2017) | 1 line
The first commit of the Milestone2 project assignment, there is nothing in the pdf, and we will wor
k on it soon
[-----]
r2 | hal356@USASK.CA | 2017-07-17 17:32:50 -0600 (Mon, 17 Jul 2017) | 1 line
Milestone 1: Project Proposal
[-----]
r1 | hal356@USASK.CA | 2017-07-17 17:19:30 -0600 (Mon, 17 Jul 2017) | 1 line
Repository for 215 Group Project
[-----]
```