

Project Report

This week, one of my jobs including implementing a Class Semester_controller. The class is used to make changes and view the data of a semester. The class covers create a semester, load a semester. Moreover, Semester_controller can create Course registration, view list courses. The task starts at 23 Mar 2022. This task takes much time and currently still work in progress. While being hard to calculate the exact working time, the task is being complete every day. The commits are shown below.

```
7 7 #include "Date.h"
8 8 using namespace std;
9 9
10 -class Semester_controller : public semester
10 +class Semester_controller
11 11 {
12 12 +private:
13 +   SinglyLinkedList<semester> semesterlist;
14 +   bool checkSemester(string name) {
15 +       for (auto i : semesterlist) {
16 +           if (i.semester_name == name) {
17 +               return true;
18 +           }
19 +       }
20 +       return false;
21 +   }
22 +   void saveSemester(string yearname) {
23 +       ofstream fout;
24 +       fout.open('/') + yearname + "/semesters.txt");
25 +       for (auto i : semesterlist) {
26 +           fout << i.semester_name << " " << i.startdate << " " << i.enddate << endl;
27 +       }
28 +       fout.close();
29 +       return;
30 +   }
12 31 public:
13 -   void create_semester() {
14 -       cout << "Choose the year to add the semester: " << endl;
15 -       cin >> yearName;
32 +   semester create_semester(string yearname) {
33 +       getSemesterList(yearname);
34 +       viewSemester();
```