**project 2 linked list**

1. Open input file( student info)
2. Create student struct and pointer

StudentRecord \*head;

head = NULL;

StudentRecord \*newStudentRecord;

StudentRecord \*StudentRecord\_ptr;

newStudentRecord = *new* StudentRecord;

newStudentRecord -> firstName = s\_firstName;

newStudentRecord -> lastName = s\_lastName;

…etc.

newStudentRecord -> next = NULL;

1. Do while menu with switch
2. Case 1: read inputs from file (if inputs <=50)

cout << "What is the student's first name?:

cin>> s\_firstName;

cout << "What is the student's last name?: ";

cin >> s\_lastName;

..etc.

if(!head)

head = newStudentRecord;

else

{

StudentRecord\_ptr = head;

while(StudentRecord\_ptr -> next)

StudentRecord\_ptr = StudentRecord\_ptr -> next;

StudentRecord\_ptr -> next = newStudentRecord;

}

1. Case 2: cout link list in order transversal

StudentRecord \*Display\_ptr;

Display\_ptr = head;

while(Display\_ptr != NULL)

{ cout << Display\_ptr -> firstName << endl;

cout << Display\_ptr -> lastName << endl;

..etc.

Display\_ptr = Display\_ptr -> next;

cout << endl;

}

1. Case 3: exi