

Method	Complexity
--------	------------

---

**CourseManagementSystem:**

main()	O(n^2)
displayMenu()	O(1)
recordSummary()	O(1)
readInputFile()	O(n^2)
deleteCourse()	O(n)
addCourse()	O(n)
deleteStudent()	O(n)
insertNewStudent()	O(n)
transferStudent()	O(n)
displayCourseList()	O(n)
displayStudentList()	O(n)

**CourseList:**

CourseList()	O(1)
findCourse()	O(n)
addCourse()	O(n)
enrollStudent()	O(n)
deleteCourse()	O(n)
displayCourses()	O(n)
studentRemoved()	O(1)
getCourseCount()	O(1)
getTotalStudentCount()	O(1)

**CourseNode:**

CourseNode()	O(1)
addStudent()	O(n)
deleteStudent()	O(n)
findStudentByName()	O(n)
displayStudents()	O(n)

**StudentNode:**

StudentNode()	O(1)
---------------	------