**«boundary»**

ConsoleUI

**«control»**

Controller

**«entity»**

Course

- controller: Controller

+ addCourse(title: String, code: String)

+ displayAllCourses()

+ selectCourse(code: String): String

+ checkStudentInCourse(name: String) : String

+ enrollStudent(name: String, id: Sting)

+searchStudent(name: String): Student

+addStudent(name: String, id: Int)

- dataLists: IDataStore

+ addCourse(title: String, code: String)

+ getNumberOfCourses(): int

+ getAllCourses(): List<Course>

+ selectCourse(code: String): Course

+ checkStudentInCourse(name: String) : Boolean

+ enrollStudent(selectedCourse: Course,

name: String, id: int)

+searchStudent(name: String): Student

+addStudent(name: String, id: int)

- title: String

- code: String

- studentsEnrolled: List<Student>

1

\*

+ <<cerate>> Course(title: String,

code: String)

+ getTitle(): String

+ getCode(): String

+ isStudentEnrolled(name: String) :

boolean

+ enrollStudent(student: Student)

DataLists

- courses: List<Course>

1

+ addCourse(course: Course)

+ getNumberOfCourses(): int

+ getAllCourses(): List<Course>

+ searchCourse(code: String): Course

**«interface»**

IDataStore

**«entity»**

Student

- name: String

- id: int

+ <<cerate>> Student(name: String, id: int)

+ getName(): String

+ getId(): int

+ addCourse(course: Course)

+ getNumberOfCourses(): int

+ getAllCourses(): List<Course>

+ searchCourse(code: String): Course

+addStudent(student: Student)

+SearchStudent(name: String): Student

\*