**Functional Requirements**

* The platform should allow students to create an account.
* The platform should allow students to login to their accounts.
* The platform should allow students to Register courses.
* The platform should allow students to access existing videos.
* The platform must generate dashboard for each student that tracks their progress and attendance.
* The platform should allow students to access their own dashboard.
* The platform should allow the owner to access dashboard for each student.
* The platform should show course schedule, lessons, tutor, number of students registered and duration.

**Non-Functional Requirements**

* speed
* usability
* security
* reliability
* scalability

**Flow Charts Diagram**

login page

Yes

No

Have an

account

Sign up

Yes

No

Owner

login

Owner page

Student page

Start

Sigend up

successfully

Yes

No

Rigister new course

Access existing

course videos

Access

dashboard

Show each course

details

Watchs course

videos

Any courses

are registered

No

Yes

Access each student

dashboard

follow up his students

Log out

End

**UML Class Diagram**

**Course**

name: String

tutor:String

duration:int

lessons : List<lesson>

studentsRegistered:List<Student>

register()

unRegister()

**Lesson**

title: String

videoLink : String

watchVideo()

**Student**

name: String

email : String

id:String

attendance : bool

progress : int

registerdCourse:Course

watchLesson()

markAttendance()

M

1

1

M

*<<Interface>>****Owner***

createCourse() deleteCourse() showCourseDetails() viewStudentsDashboard()