OneTutor®

by OneTwoTech®

OneTutor®

Nachhilfe- und Lernsoftware

Zielgruppe: Schüler & Studenten

Hilfe durch Nachhilfelehrer

UML

CPlatform

m_institutions : ArrayList<CInstitution> m_admins : ArrayList<CMember>

register() : Boolean

login(member : CMember) : Boolean logout(member : CMember) : Boolean

CInstitution

m_course : ArrayList<CCourse> m_member : ArrayList<CMember> m_admins : ArrayList<CMember>

m_ID : Integer

loginCourse()

createCourse() : CCourse

deleteCourse(_course : ArrayList<CCourse>) : Boolean

CCourse

m_exercise : ArrayList<CExercise> m_member : ArrayList<CMember>

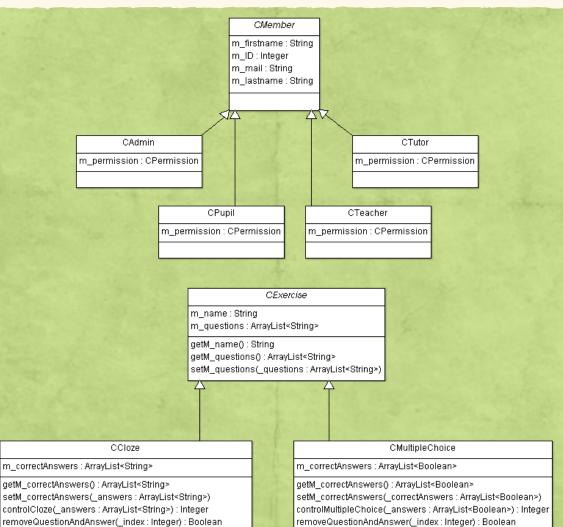
m_license : CLicense

m_material : ArrayList<CMaterial>

m_title : String

m_courseAdmin : CMember

setExercise(_exercise : CExercise) setMaterial(_material : CMaterial)



addQuestionAndAnswer(_question : String,_answer : Boolean)

addQuestionAndAnswer(_question : String,_answer : String)

CPermission

m_write : Boolean m_read : Boolean m_execute : Boolean

isM_execute() : Boolean setM_execute(_execute : Boolean)

isM_read() : Boolean setM_read(_read : Boolean) isM_write() : Boolean

setM_write(_write : Boolean)

CLicense

m_key : Integer m_rand : Random

validateKey(_key : Integer) : Boolean

getM_key() : Integer

CMaterial

CDataBase

CDatabase

Klassen

Plattform

Variablen

- ArrayList CInstitution a_institutions
- ArrayList CMember a_admins

Methoden

- boolean register()
- boolean login(Member_member)
- boolean logout(Member _member)

Institution

Variablen

- ArrayList CCourse a_courses
- ArrayList CMember a_member
- ArrayList CMember a_admins
- Int m_ID

Methoden

- void loginCourse(CCourse _course)
- CCourse createCourse()
- boolean deleteCourse(CCourse _course)

Klassen

Kurs

Variablen

- ArrayList CExercise a_exercises
- ArrayList CMaterial a_materials
- ArrayList CMember a_member
- CLicense m_license
- String m_name
- CMember m_admin

Methoden

- void setExercise(CExercise _exercise)
- void setMaterial(CMaterial_material)

<u>Member</u>

Variablen

- String m_firstname
- String m_lastname
- · Int m ID
- String m_mail

Methoden

- Getter & Setter
- -> erbende Klassen:
- CAdmin, CPupil, CTeacher, CTutor (beinhalten Berechtigungen)

Übersicht am Beispiel

| | | Plattform | |
|-----------------------------|--------------|-----------|----------------|
| Gymnasium Großdittmannsdorf | | | |
| Schüler des Gymnasiums | | | ms |
| Biologie | Deutsch | Informati | k Mathe |
| Lernvideos | Arbeitsblatt | Aufgaben | Probeklausuren |

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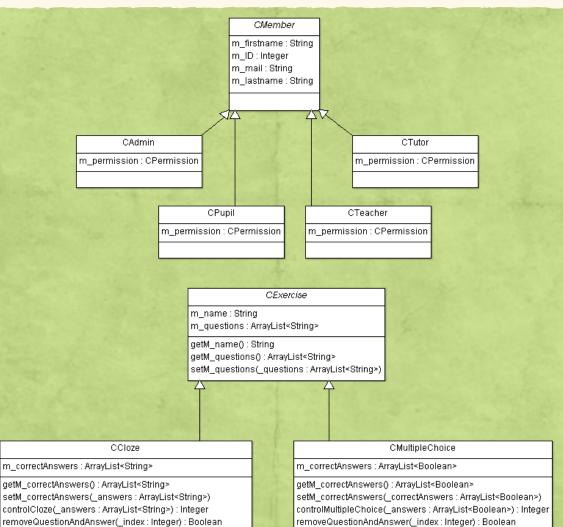
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setExercise(_exercise : CExercise) setMaterial(_material : CMaterial)



addQuestionAndAnswer(_question : String,_answer : Boolean)

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CPermission

m_write : Boolean m_read : Boolean m_execute : Boolean

isM_execute() : Boolean setM_execute(_execute : Boolean)

isM_read() : Boolean setM_read(_read : Boolean) isM_write() : Boolean

setM_write(_write : Boolean)

CLicense

m_key : Integer m_rand : Random

validateKey(_key : Integer) : Boolean

getM_key() : Integer

CMaterial

CDataBase

CDatabase

Kommende Schritte

 Ausarbeitung der Klassen CMaterial und CDatabase

 Programmierung restlicher Klassen mit Unit-Tests

Vielen Dank für Ihre Aufmerksamkeit