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Group 2 Design

High Level Architecture

Program (LCMS)

Simulator and API

Network

Database

Object Classes

|  |
| --- |
| Employee |
| -phoneNum  -address  -name  -employeeID  -password  -social  -gender |
| -login(employeeID, password)  -exit() |

|  |  |  |  |
| --- | --- | --- | --- |
| Manager (0) | Training Admin (1) | Auditor (2) | Trainee (3) |
| -department  -employees | -numTrainees  -numLessons | -governmentID  -limitNum | -hoursLogged |
| -viewTraineeInfo()  -viewHourlyInfo()  -viewAttempts()  -registerEmployee() | -setLessonPlan()  -viewResults() | -viewHourlyReport() | -viewHours()  -quizEval()  -doQuiz()  -completed[]  -uncompleted[] |

|  |  |
| --- | --- |
| Employees | Lesson |
|  | -lessonName  -lessonCourse  -lessonGoals  -lessonContent |
| -addEmployee()  -deleteEmployee()  -getTrainer()  -getManager()  -getAdmin()  -getAuditor()  -editEmployee() | -addLesson()  -delLesson()  -editLesson()  -preformLesson() |

Sequence Diagram

Database

LCMS

Simulator

User

get(Login)

Login( )

acknowledge

send(Login)

reply Login

acknowledge

request(Info)

get(Info)

acknowledge

acknowledge

Info()

send(Info)

acknowledge

reply (Info)

acknowledge

save(Data)

save(Data)

acknowledge

acknowledge