Database for a OPQTECH company

Design schema satisfying the following requirements mentioned below.

System requirements:

- 1. Students can register for different batches (Ex: Feb'20)
- 2. Students attend daily lectures on various topics (like, Trees, Linked lists, stacks etc.)
- 3. Every lecture has an assignment and homework.
- 4. Every assignment and homework can have 0-10 problems.
- 5. Every class has an instructor, some prelecture content and lecture notes.
- 6. Students should be able to see the class timeline, problem solve percentage, attendance percentage and status of all the problems in all the assignments/homework in the dashboard.
- 7. Instructors should be able to see a list of classes taken by him and his upcoming class.
- 8. Instructors should be able to create lessons for all the batches and should be able to add and modify the assignments and homework problems.

937 OP9 Tech Company

Student - id rame Batch - id Botch - name Start - date Struct End - date

Student Batch Student - id Batch - id lecture - id lecture - name

class
class-id

Batch-id

lecture-id

Topics [11, tree, Stack]

Preculture-content

Lecture-notes

Instructor-id

Instructor-id

Instructor-id

Instructor-id

Instructor-id

Doshboard

Student-id

Instructor-id

Class-time

problem - solving - percentage

attendance - percentage

lesson - id instrutor - id lesson - nome

Assignments
Assignment-id
Lecture-id
QNO-1
QNO-20

Homework

homework-id

lecture-id

ANO-1

QNO-10