**Lab problems**

**P1. Catalog**

A faculty manages information about *students* and *disciplines.*

Create an application which allows to:

* perform CRUD operations on *students* and *disciplines*
* assign *grades*
* filter entities based on various criteria
* reports: e.g. the list of students who will get a scholarship

**P2. Lab problems**

A teacher manages information about *students* and lab *problems.*

Create an application which allows to:

* perform CRUD operations on *students* and lab *problems*
* *assign problems to students;* assign *grades*
* filter entities based on various criteria
* reports: e.g. find the problem that was assigned most times

**P3. Movie rental**

A movie rental shop manages information about *movies* and *clients.*

Create an application which allows to:

* perform CRUD operations on *movies* and *clients*
* *rent* movies
* filter entities based on various criteria
* reports: e.g. find the most rented movie

**P4. Book store**

A book publisher manages information about *books* and *clients*.

Create an application which allows to:

* perform CRUD operations on *books* and *clients*
* *buy* books
* filter entities based on various criteria
* reports: e.g. sort clients based on the spent amount of money

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Book

Client

Purchase