SCHOOL

**ACCEPTANCE CRITERIA**

As a school organizer I want to be able to schedule the program as multi-day, multi-track, with start time and end time per day. So I can be flexible in providing a new experience for each location.

As an organizer I want to be able to assign classes to each subject(math, language, sports, informatics, etc) so students and teachers can have a clear view of the school program, also i need to subscribe students to their classes, and mandatory sessions for each class.

Exemple School

Math, language, sport, informatics etc are one Subject, inside a Subject you have multiple sessions   
Each class have multiple sessions also, for different Subject

|  | Class III | Class I |
| --- | --- | --- |
| 8-9 | Sports with Mr Johnoson | Math with Mr. Doe |
| 9-10 | Language with Mrs Keen | Informatics with Mrs Cool |
| 16-17 | Math with Mr. Doe |  |
| 17-18 | Informatics with Mr Cool |  |

Each session can have one teacher, some sessions are mandatory, some are optional.

As a student(besides the mandatory sessions of the class i am in) I want to be able to register to the optional sessions I’m interested in.

The optional sessions could be lectures, workshops or contests.

As a student, if class is full, I want to be able to register on a waiting list to the optional sessions I’m interested in.

As a student I want to receive updates for subscribed sessions every time there’s a change in the program or teacher changes

As a student I want to rate a individual session or teacher.

As a student i want to see statistics about top optional sessions, top teachers and their credentials, per each subject of interest(maths, informatics, languages, sports, etc)

Also, for contest, there should be results page.

As an chief of scholl I want to see the number of students per each optional session to follow up on the impact.

Sessions are described by:

* Title
* Techer(s)
* Description
* Type (Mandatory class | Optional lecture | Optional workshop | Contest)
* Difficulty level
* Keywords
* Length
* Time & Date
* Star Reviews (1 to 5)
* # of Subscribed students

Techers are described by:

* Name
* Title
* Social media accounts
* Biography
* Credentials (no of students with results in context, etc)

School is described by:

* Location
* Main academic direction
* Description
* Schedule
* Types of contest organized by school

**EXTRA MILE**

As a school chief I want to be able to define & import the structure of the school, classes, subjects, etc from a .yaml/.json file

As a school chief I want to decide discounts to become active and also be applied to existing students for paid sessions. Automatically calculations and notifications will happen.

Components - not connected with other components (just some bones - not connected)

* **Application Context** => synchronized context switching.
* Who are our actors? Types of users(types of flows): class Teacher, class Student, class Administrator => requires abstractization => interface User (or class User if they share too much functionality).
* **NotifyService** => multithreading & observer pattern?
* **Databases** for users and trainers and courses
* Teacher flow: TBD
* Student flow: TBD
* Administrator flow: TBD
* Parent flow? : TBD

ToDos:

* Create Github/Trello board - trello.com - invite team - add task and track who is working on what
  + Columns: ToDo, InProgress, Review, Done

Gym API

**CRUD**

Create - Post

Read - Get

Update - Put/Patch

Delete - Delete

**Resources:**

TBA

**API (School)**

TBA

# Demo- 15min

* Intro value of School As a Service sau School API (Benefits) -
* Main functionalities (...)
* Challenges
  + FE/BE/DE integration
  + Testing (integration testing) - eat your own dog food
* Involvement pe each member
* Conclusions
* Q&A